COAL ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT:

Coal Assessment Report for the Brule lease - 2021-2022 work term

TOTAL COST: $214,112.62

AUTHOR(S): C.G. Cathyl-Huhn, P.Geo. Lic.Geol. RMSME, 31 May 2022

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):

YEARS OF WORK: 2021-2022 work term

PROPERTY NAME: **Brule Lease**

COAL LEASE (on which physical work was done): 417517 (anniversary May 1)

MINING DIVISION: Liard

NTS 93 P/5 BCGS: 093P.031 and 093P.041

LATITUDE: 55° 24’ 09.78" North

LONGITUDE: 121° 51’ 29.76" West (at centre of work)

UTM Zone: 10 EASTING: 572300 NORTHING: 6140200 (at centre of work)

OWNER: **Conuma Resources Limited**

MAILING ADDRESS: 200-235 Front Street (PO Box 2140) Tumbler Ridge BC V0C 2W0

OPERATOR: **Conuma Resources Limited**

MAILING ADDRESS: 200-235 Front Street (PO Box 2140) Tumbler Ridge BC V0C 2W0

Conuma Resources Limited holds EGBC permit to practice No. 1002928

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralisation, size and attitude): Bituminous coal, Early Cretaceous, Albian stage, Bullhead Group, Gething Formation, Gaylard Member, Cadomin Formation, synclines, anticlines, thrust faults, imbricate thrusts

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Primary references: Coal Assessment Reports 957 and 1049; Secondary references: Coal Assessment Reports 486, 487, 488, 489, 490, 936, 993, and 1054.

SUMMARY OF TYPES OF WORK IN THIS REPORT	EXTENT OF WORK(in metric units)		ON WHICH TENURES
GEOLOGICAL (scale, area)			
Ground, mapping	20 x 1800 m	3.6 ha	417517
Photo interpretation (at variable scale)	600 x 2000 m	120 ha	417517
GEOPHYSICAL (line-km)			
Ground	none	nil	not applicable
Airborne	none	nil	not applicable
Borehole geophysics			
Gamma-Density	3564.60 m	in 33 holes	417517
Resistivity	3564.60 m	in 33 holes	417517
Caliper	3564.60 m	in 33 holes	417517
Gamma-Neutron	2419.96 m	in 12 holes	417517
Deviation	2951.68 m	in 17 holes	417517
Dipmeter	2966.57 m	in 17 holes	417517
Spectral gamma	0 m	n/a	417517
Sonic	1535.97 m	in 9 holes	417517

DRILLING (total metres, no. of holes, size, storage location)						
Core	nil	0	n/a	n/a	not applicable	
Non-core (blast-hole rig)	287.79	15	26.987 cm	n/a	417517	
Non-core (air-rotary rig)	3380.76	18	15.24 cm	n/a	417517	

SAMPLING AND ANALYSES			
	Number of samples		
Proximate (with sulphur)	0	not applicable	
Ultimate	0	not applicable	
Petrographic	0	not applicable	
Vitrinite reflectance	0	not applicable	
Coking	0	not applicable	
Wash tests (with proximate)	0	not applicable	
PROSPECTING (scale/area)	0	not applicable	
PREPARATORY / PHYSICAL			
Line/grid (km)	none 0 km	not applicable	
Topo/Photogrammetric (scale, area): none	0 ha	not applicable	
Trench (number/metres)	none 0 m	not applicable	
Underground development none	0 m	not applicable	
Bulk sample(s)	none 0	not applicable	

Sections 5 remains confidential under the terms of the Coal Act Regulation and have been removed from the public version.

http://www.bclaws.ca/civix/document/id/complete/statreg/251_2004

1.1 List of tables

1.2 List of Maps

2 Objectives, situation, and details of work

This report discusses drilling of deep exploratory boreholes and shallow test holes within the Brule coal lease, Crown coal tenure 417317, during the 2019-2020, 2020-2021, and 2021-2022 work terms. Effective date of this report is the Brule lease's anniversary date, May 1, 2022.

Statistics presented on this report's title pages relate solely to the Brule programme during the 2021-2022 work term, although work from all three terms is discussed within the body and appendices of this report. Objectives of the exploratory work at Brule were three-fold:

- Test hole drilling was aimed at establishing details of the internal structure of major coal zones, in areas scheduled within a short-term mine plan.
- Deep exploratory drilling was aimed at establishing the structure of the major coal zones within the structurally-complex core of the Owl Creek syncline, where coal is scheduled for mining within the next few years.
- Exploratory drilling was also aimed at establishing the split geometry of major coal zones, and the possible westward extension (into Brule lease's boundaries) of the coals which were historically worked in the Blind Pit work-area within the west-central portion of the Dillon lease.

Exploratory and development drilling at Brule was done concurrently with similar work within the adjoining Dillon lease, tenure 412964. The Dillon lease lies to the north and east of the Brule lease.

In support of drilling, a limited amount of geological traversing (supported by aerial and ground imagery) was done along major roads and within mine-workings within the northwestern portion of the Brule lease. Structural observations were plotted upon a revised geological map (enclosed as **Map 2-3**), upon which revised positions of major faults and folds have been depicted. Both bedrock and surficial versions of the geological map are presented in this report.

Geophysical logs, including the coalfield standard suite of gamma-density, dipmeter, and deviation logs, were run in the exploratory boreholes and test holes. **Appendix C** of this report presents scans of interpreted mark-ups of gamma-density logs from exploratory boreholes, using standard interpretive symbology to distinguish coal and dirty coal from variably-carbonaceous rock.

Appendix D of this report includes (in its digital version) machine-readable geophysical logs of boreholes and test holes, presented in LAS (log ASCII standard), PDF, and TIF formats.

Cost data for drilling and downhole geophysical logs have been tabulated. No charges have been allocated for the provision of in-house surveying, in-house catwork, and test hole drilling by Brule Mine's blast-hole rigs, which was conducted on an experimental basis.

Estimated total cost of exploratory drilling, and of geophysical logging in boreholes as well as in test holes, was $145,066.50, at a unit cost of $39.54 per drilled metre inclusive of drilling and geophysical logging. Total programme cost (inclusive of supervision and catwork) in the 2021-2022 work term was $214,112.62. Low unit costs are ascribable to the frequent siting of drilling along existing roads and trails, and upon mine ramps and benches, as well as the use of Brule Mine's blast-hole rigs to drill test holes.

2.1 Location, tenure, access, and infrastructure

General location of the Brule lease, within the Brazion coalfield of northeastern British Columbia, is depicted in **Map 2-1**, and local access routes are shown in **Map 2-2**.

The Brazion coalfield is here informally defined as the entire outcrop area of Jurassic and Early Cretaceous coal-measures, lying between the valleys of the Pine and Sukunka rivers. The coalfield name has no formal standing as a toponymic entity, and it is used within this report for purposes of referential convenience.

2.1.1 Coal tenure

The Brule coal property consists of a single Crown coal lease, Tenure No.417517, covering an area of approximately 1471 hectares. The Brule lease is bounded to the northeast by Conuma's Dillon lease, and to the west and southeast by Conuma's Burnt River coal licences.

2.1.2 Forest tenure

The Brule lease is situated within the Dawson Creek Timber Supply Area (TSA). Cutting of timber for mining purposes is subject to the terms of *Free Use Permits* issued by the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO).

The Brule lease lies within Canfor's Tree Farm Licence (TFL) No.48, which mostly has been harvested for the first time. Much of the extent of the Brule lease has been deforested in preparation for soil removal prior to mining, or lies within areas of active coal-mining and dumping of overburden and interburden rock.

2.1.3 Access details

Surface access for drilling and other exploratory works is regulated by the provincial government, subject to the *Coal Act Regulations* and the *Mines Act*.

Road access to Brule is available via two routes, of which the most convenient route is westward from the Sukunka River valley, and a somewhat more involved route is overland from the Pine River Valley, using Conuma's Falling Creek Connector Road (FCCR), which serves as a haulage-road between Brule Mine and Walter Energy's Willow Creek coal-washery and coal-loading facility.

To reach the property via road from the Sukunka River valley, access commences from the junction of highway BC-29 and the Sukunka Forest Service Road (FSR), which is maintained by the Sukunka Road Users Committee (a group of industrial users of the road). After travelling southward along the Sukunka FSR, following the eastern bank of Sukunka River, the junction with the Blind Creek Road is reached at kilometre 16.5 of the Sukunka FSR. Conuma holds tenure to the Blind Creek Road under a *Special Use Permit* (SUP) from MFLNRO.

The Blind Creek Road crosses Sukunka River on a wood-floored deck-girder bridge suitable for highway loads, and then winds steeply uphill atop the southern canyon wall of Blind Creek. A number of spur roads and trails branch southward from the Blind Creek Road. Many of these roads and trails were constructed to support forest-harvesting cutblocks, while others were constructed to provide access to natural-gas drilling sites.

The northeastern and southeastern portions of the Brule lease are well-served by active industrial roads: the FCCR in the northeast, and the Blind Creek Road in the southeast. The southeastern area is also served by branch-roads extended from the Blind Creek Road to serve natural-gas wellsites.

The southwestern portion of the property is served by a network of mostly-overgrown

logging-roads and drillsite-access trails, passable only by all-terrain vehicles or motorbikes. Some parts of the lease are only accessible on foot, via seismic lines which cross the lease. On north- and east-facing slopes, undergrowth is generally thick, hampering cross-country travel.

Road access to all but the southeastern corner of the property requires passage through Brule Mine's main (southern) security gate, situated on Blind Creek Road. The municipal airport at Chetwynd is the closest operating fixed-wing airfield to the Brule lease. Helicopters may be chartered from the Chetwynd airport, or alternatively they may be hired from the Tumbler Ridge airport. With prior permission from the mine's management, helicopters may be landed at Brule Mine. This provision allows for the use of rotary-wing air ambulances. The closest railway service to Brule is at Walter Energy's Willow Creek coal-loading facility, situated on the southern bank of Pine River, west of Chetwynd. The most direct coal-haulage route to the railway is via the Falling Creek Connector Road.

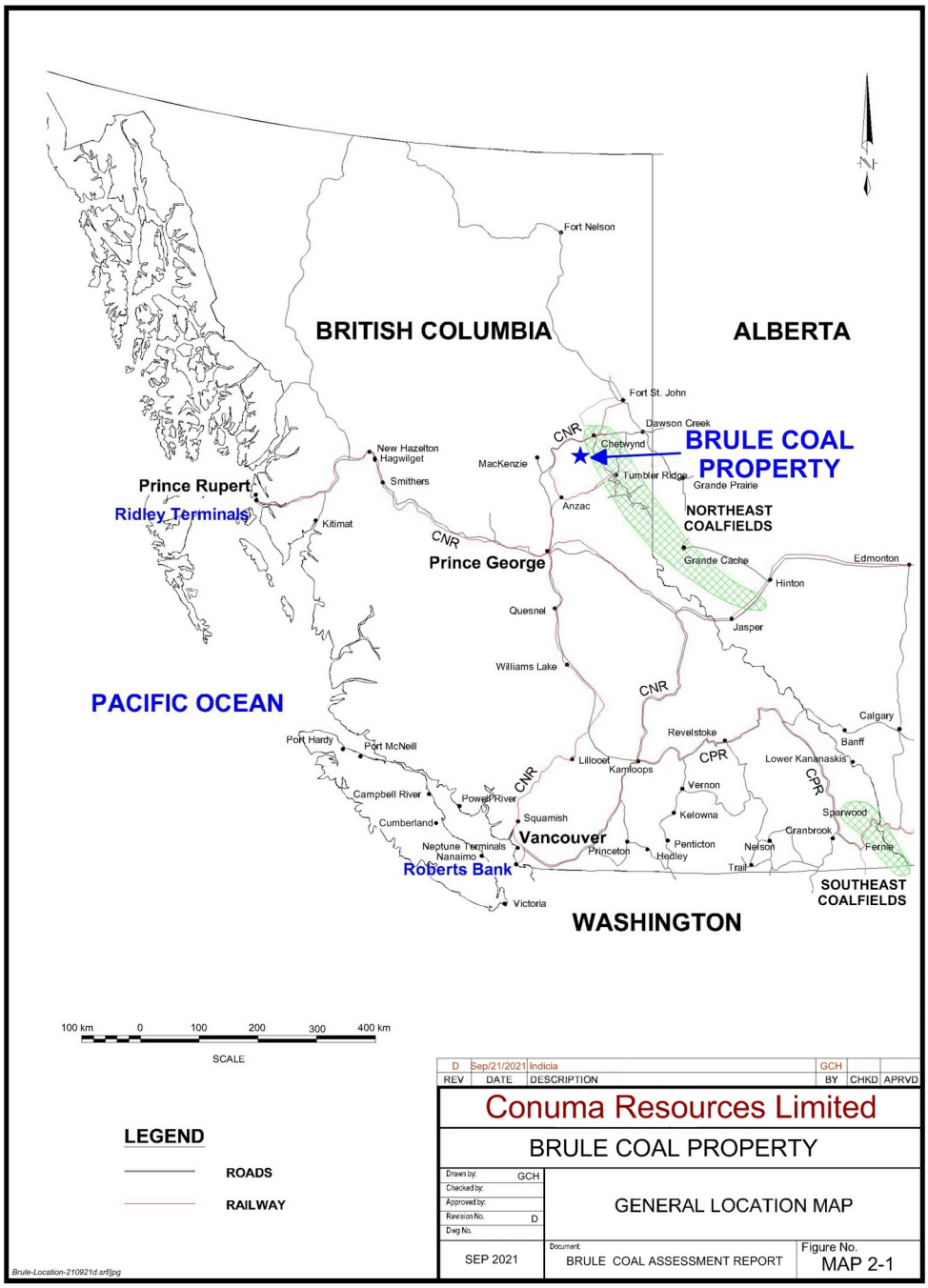
2.1.4 Infrastructure

Electrical power is available from B.C. Hydro at the Sukunka substation, which feeds a cross-country sub-transmission line to a transformer-station located within the Dillon lease (situated east of the Brule/Dillon lease boundary). Power-distribution lines do not yet extend into the Brule lease *per se*, owing to the concentration of Brule Mine's facilities and buildings within the Dillon lease. Telecommunications, including Internet access, are available via satellite and cellular telephone systems. Satellite access is excellent in upland areas, but unreliable in the heavily-wooded hillsides. Cellular coverage also likely to be inconsistent, owing to distance from transmitters, and to blocked line-of-sight in mountainous country.

2.1.5 Base-mapping

Base-mapping for the Brule area is freely available from the provincial government's Base Map Online Store, which affords a facility for downloading representational shaded-relief topographic maps. Map-sheet 93P/5 (1:50,000) of the National Topographic System, and provincial base map sheets 093P.031 and 093P.041 (1:20,000) cover the property.

High-quality maps, based on LIDAR coverage and high-precision global positioning system (GPS) survey lines, have also been created by Brule Mine's surveying team; these maps cover the northwestern portion of the Brule lease.



General location map: **Map 2-1**

100 km 0 100 200 300 400 km

SCALE

LEGEND

ROADS

RAILWAY

REV	DATE	DESCRIPTION	BY	CHKD	APRVD
D	Sep/21/2021	Indicia	GCH		

Conuma Resources Limited

BRULE COAL PROPERTY

Drawn by:	GCH
Checked by:	
Approved by:	
Revision No.	D
Dwg No.	

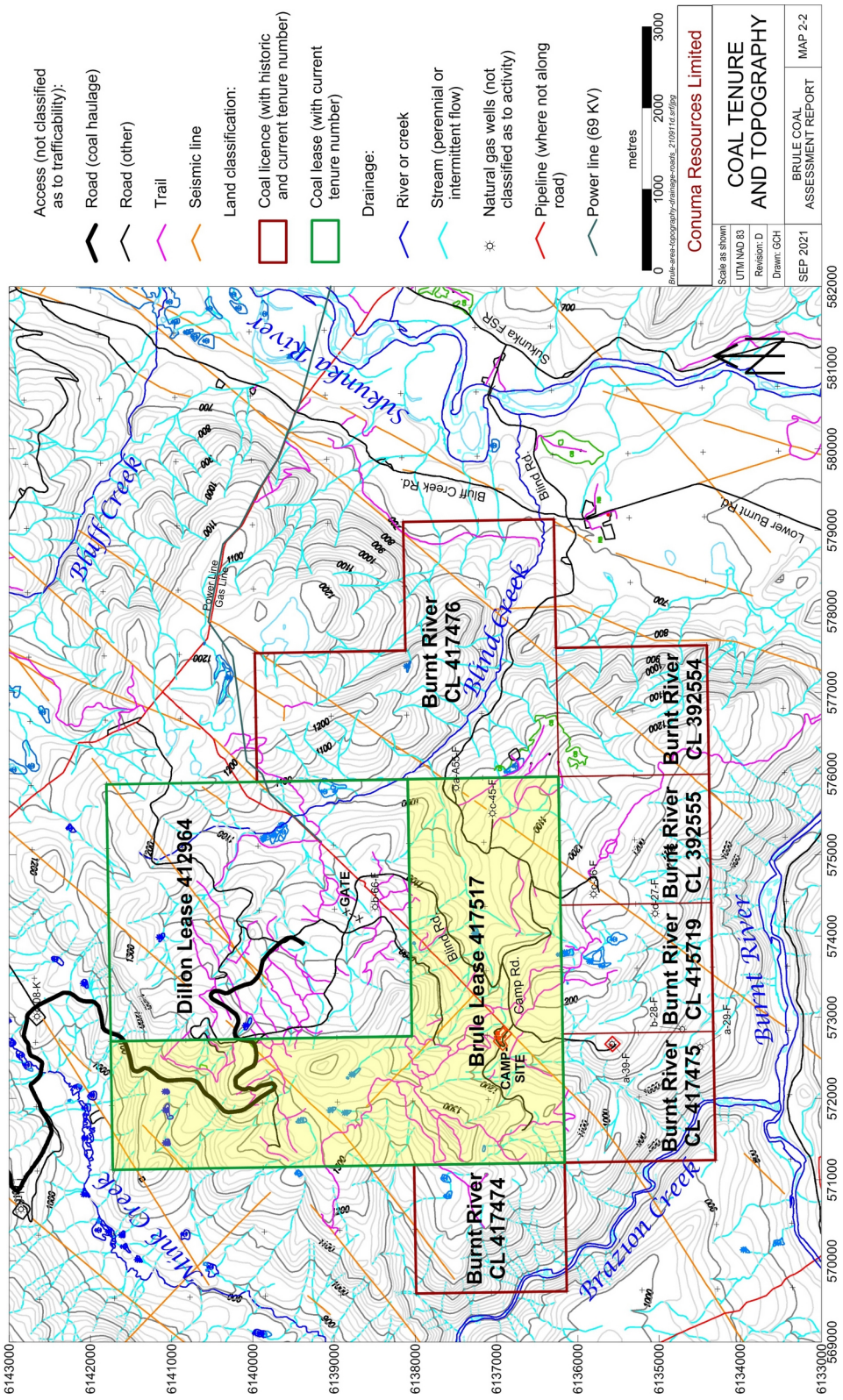
GENERAL LOCATION MAP

SEP 2021

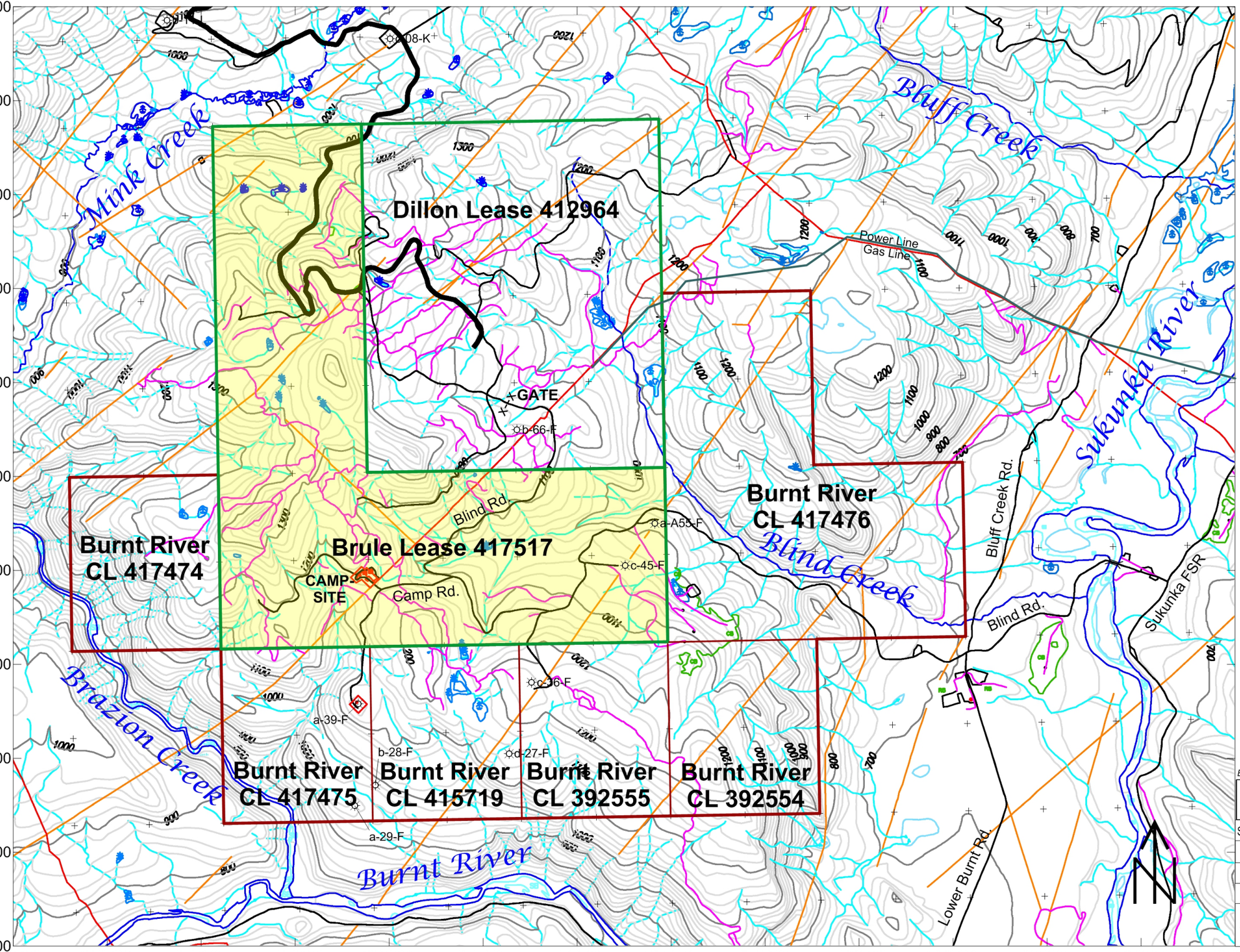
Document: BRULE COAL ASSESSMENT REPORT

Figure No. MAP 2-1

Brule-Location-210921d.srf/jpg



Coal tenure and topography: **Map 2-2**



Access (not classified as to trafficability):

- Road (coal haulage)
- Road (other)
- Trail
- Seismic line

Land classification:

- Coal licence (with historic and current tenure number)
- Coal lease (with current tenure number)

Drainage:

- River or creek
- Stream (perennial or intermittent flow)

- Natural gas wells (not classified as to activity)
- Pipeline (where not along road)
- Power line (69 KV)

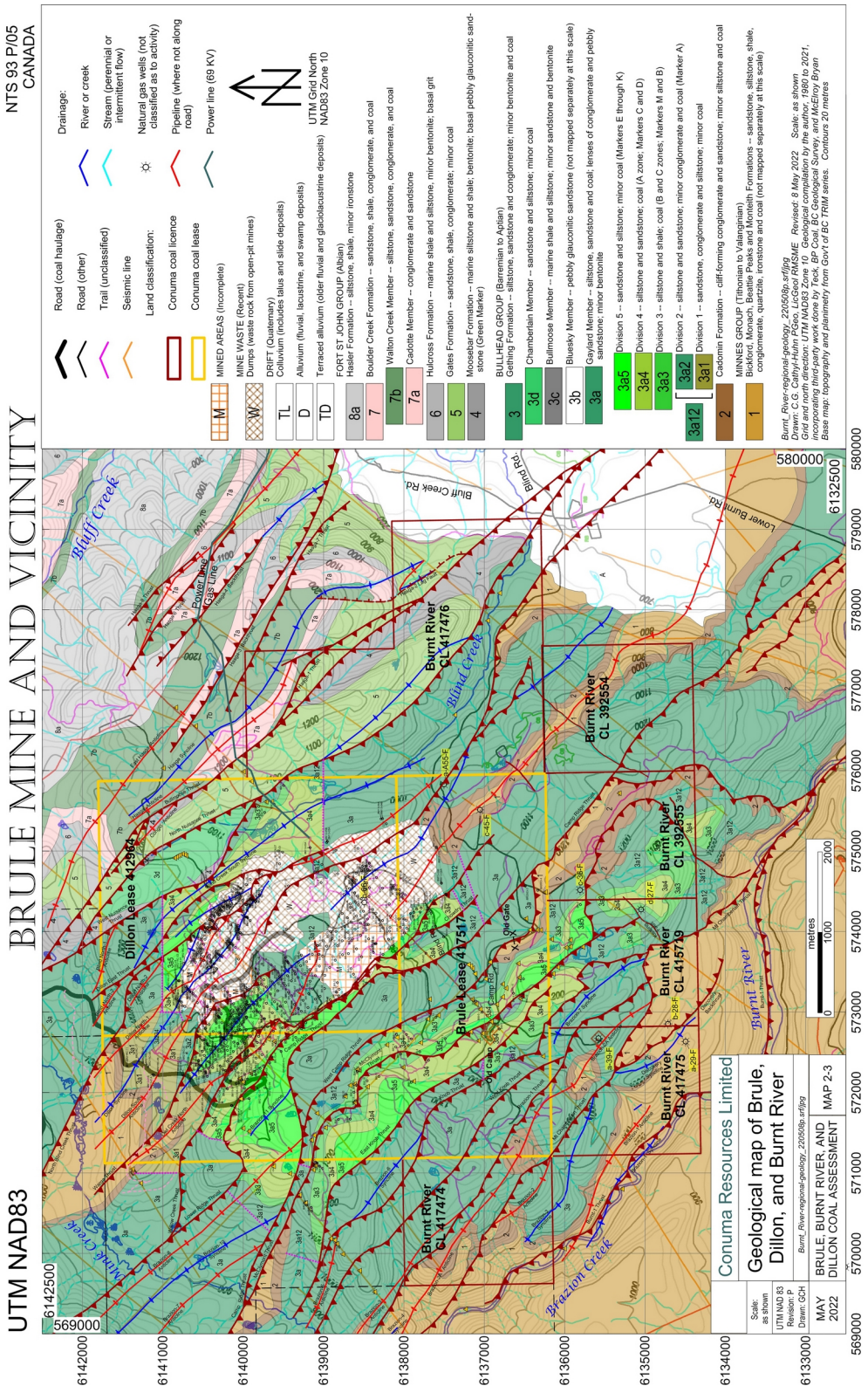
metres

0 1000 2000 3000

Brule-area-topography-drainage-roads_210911d.srf/jpg

Conuma Resources Limited

Scale as shown	COAL TENURE AND TOPOGRAPHY	
UTM NAD 83		
Revision: D		
Drawn: GCH		
SEP 2021	BRULE COAL ASSESSMENT REPORT	MAP 2-2

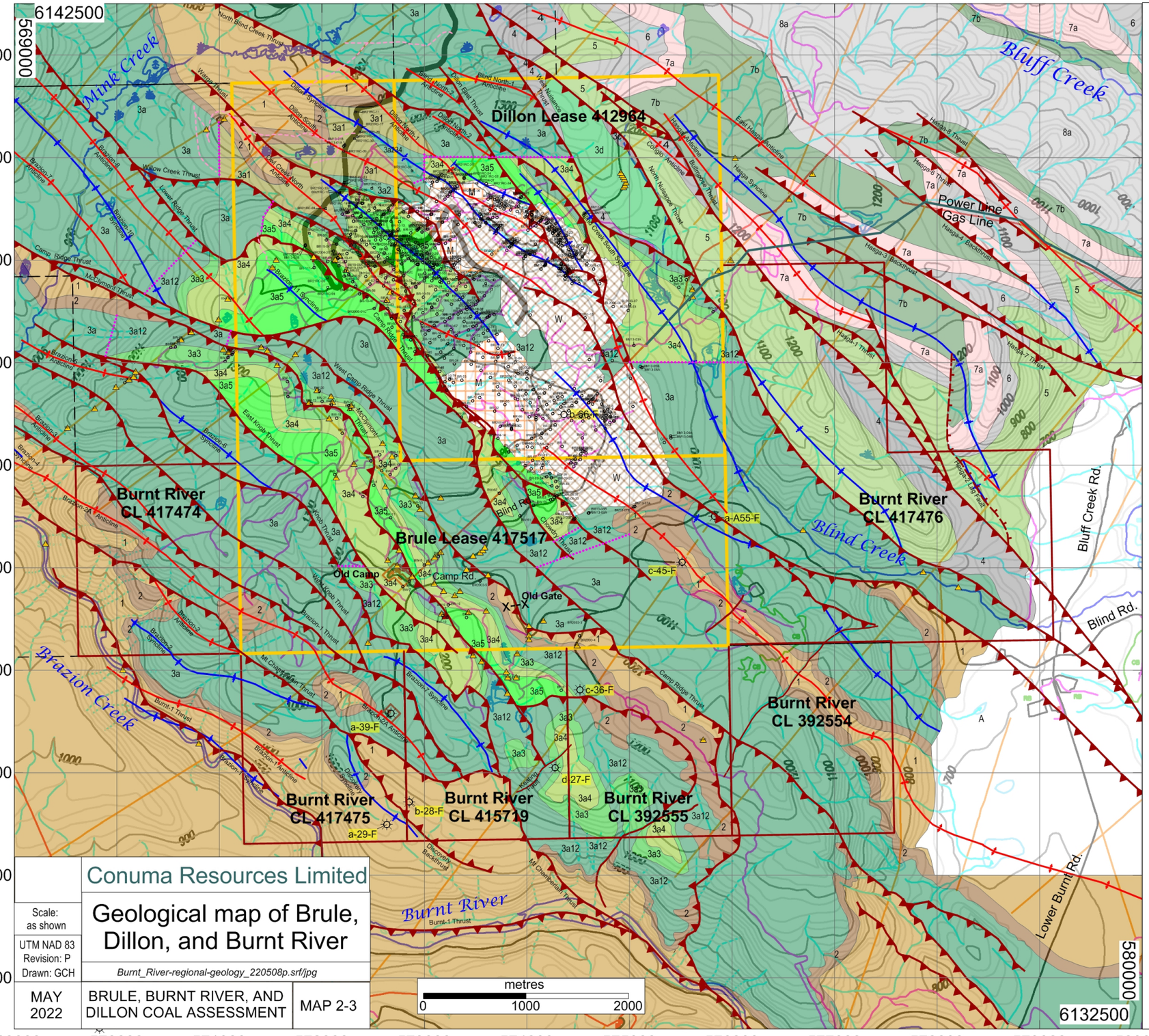


Geological map of Brule, Dillon, and Burnt River: **Map 2-3**

UTM NAD83

BRULE MINE AND VICINITY

NTS 93 P/05
CANADA



Road (coal haulage)
Road (other)
Trail (unclassified)
Seismic line

Land classification:

Conuma coal licence
Conuma coal lease

Drainage:

River or creek
Stream (perennial or intermittent flow)

Natural gas wells (not classified as to activity)
Pipeline (where not along road)
Power line (69 KV)

M — MINED AREAS (Incomplete)

W — MINE WASTE (Recent)
Dumps (waste rock from open-pit mines)

TL — DRIFT (Quaternary)
Colluvium (includes talus and slide deposits)

D — Alluvium (fluvial, lacustrine, and swamp deposits)

TD — Terraced alluvium (older fluvial and glaciolacustrine deposits)

FORT ST JOHN GROUP (Albian)

8a — Hasler Formation -- siltstone, shale, minor ironstone

7 — Boulder Creek Formation -- sandstone, shale, conglomerate, and coal

7b — Walton Creek Member -- siltstone, sandstone, conglomerate, and coal

7a — Cadotte Member -- conglomerate and sandstone

6 — Hulcross Formation -- marine shale and siltstone, minor bentonite; basal grit

5 — Gates Formation -- sandstone, shale, conglomerate; minor coal

4 — Moosebar Formation -- marine siltstone and shale; bentonite; basal pebbly glauconitic sandstone (Green Marker)

BULLHEAD GROUP (Barremian to Aptian)

3 — Gething Formation -- siltstone, sandstone and conglomerate; minor bentonite and coal

3d — Chamberlain Member -- sandstone and siltstone; minor coal

3c — Bullmoose Member -- marine shale and siltstone; minor sandstone and bentonite

3b — Bluesky Member -- pebbly glauconitic sandstone (not mapped separately at this scale)

3a — Gaylard Member -- siltstone, sandstone and coal; lenses of conglomerate and pebbly sandstone; minor bentonite

3a5 — Division 5 -- sandstone and siltstone; minor coal (Markers E through K)

3a4 — Division 4 -- siltstone and sandstone; coal (A zone; Markers C and D)

3a3 — Division 3 -- siltstone and shale; coal (B and C zones; Markers M and B)

3a12 — Division 2 -- siltstone and sandstone; minor conglomerate and coal (Marker A)

3a2 — Division 1 -- sandstone, conglomerate and siltstone; minor coal

2 — Cadomin Formation -- cliff-forming conglomerate and sandstone; minor siltstone and coal

MINNES GROUP (Tithonian to Valanginian)

1 — Bickford, Monach, Beattie Peaks and Monteith Formations -- sandstone, siltstone, shale, conglomerate, quartzite, ironstone and coal (not mapped separately at this scale)

UTM Grid North
NAD83 Zone 10

Conuma Resources Limited

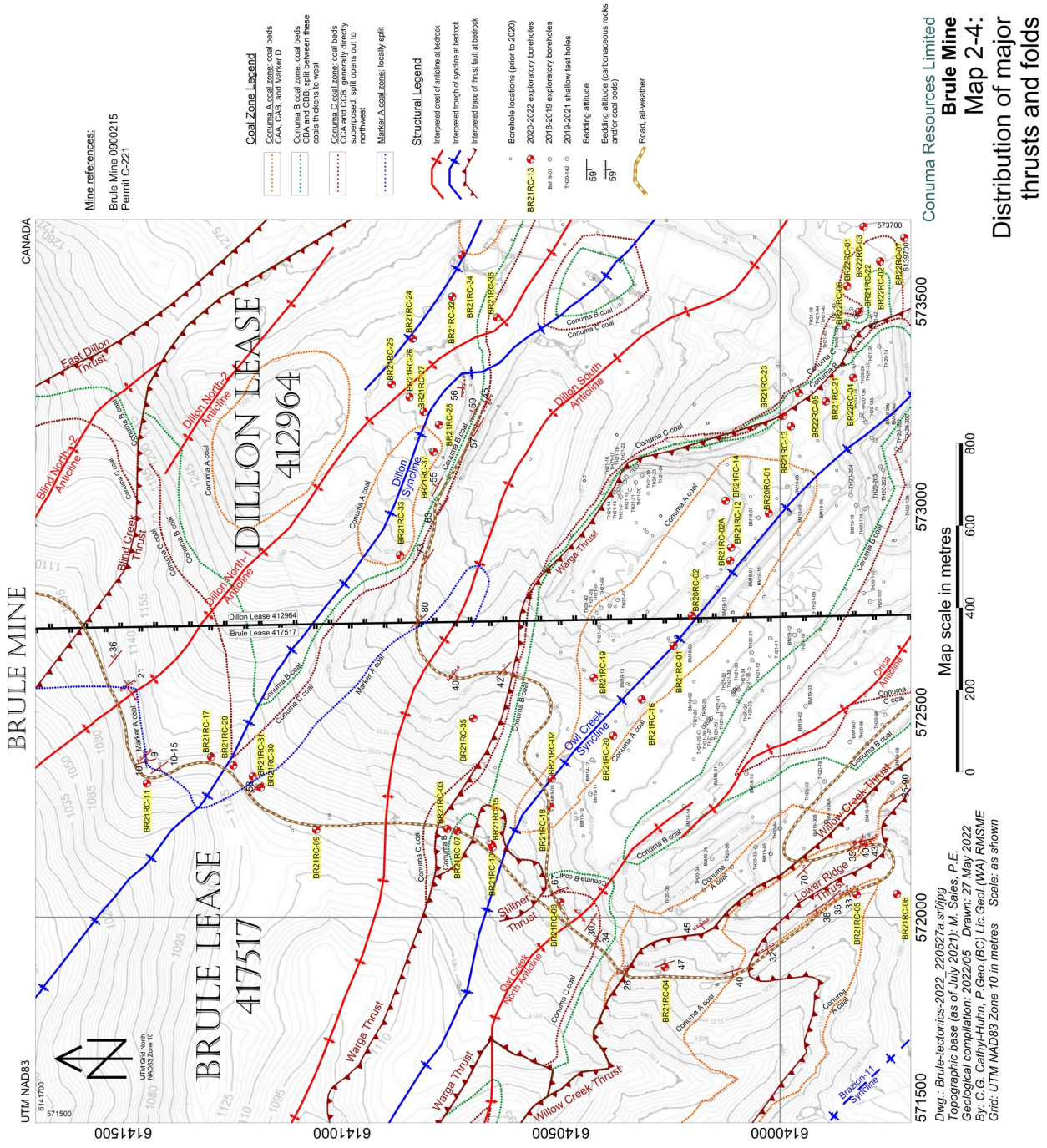
Scale: as shown
UTM NAD 83
Revision: P
Drawn: GCH

Geological map of Brule, Dillon, and Burnt River

Burnt_River-regional-geology_220508p.srf/jpg

MAY 2022 | BRULE, BURNT RIVER, AND DILLON COAL ASSESSMENT | MAP 2-3

Burnt_River-regional-geology_220508p.srf/jpg
Drawn: C.G. Cathyl-Huhn PGeo, LicGeol RMSME Revised: 8 May 2022 Scale: as shown
Grid and north direction: UTM NAD83 Zone 10 Geological compilation by the author, 1980 to 2021, incorporating third-party work done by Teck, BP Coal, BC Geological Survey, and McElroy Bryan
Base map: topography and planimetry from Gov't of BC TRIM series. Contours 20 metres



Distribution of major thrusts and folds: **Map 2-4**

BRULE MINE

UTM NAD83

CANADA

UTM Grid North
NAD83 Zone 10

BRULE LEASE
417517

DILLON LEASE
412964

Brule Lease 417517

Dillon Lease 412964

Blind North-1-2 Anticline

Blind Creek Thrust

East Dillon Thrust

Dillon North-1 Anticline

Dillon North-2 Anticline

Dillon Syncline

Dillon South Anticline

Warga Thrust

Owl Creek North Anticline

Owl Creek Syncline

Willow Creek Thrust

Stiltner Thrust

Lower Ridge Thrust

Willow Creek Thrust

Orica Anticline

Brazion-11 Syncline

Conuma A coal

Conuma B coal

Conuma C coal

Marker A coal

BR21RC-01 BR21RC-02 BR21RC-03 BR21RC-04 BR21RC-05 BR21RC-06 BR21RC-07 BR21RC-08 BR21RC-09 BR21RC-10 BR21RC-11 BR21RC-12 BR21RC-13 BR21RC-14 BR21RC-15 BR21RC-16 BR21RC-17 BR21RC-18 BR21RC-19 BR21RC-20 BR21RC-21 BR21RC-23 BR21RC-24 BR21RC-25 BR21RC-26 BR21RC-27 BR21RC-28 BR21RC-29 BR21RC-30 BR21RC-31 BR21RC-32 BR21RC-33 BR21RC-34 BR21RC-35 BR21RC-36 BR21RC-37

BR20RC-01 BR20RC-02

BR22RC-01 BR22RC-02 BR22RC-03 BR22RC-04 BR22RC-05 BR22RC-06 BR22RC-07

BR21RC-02A BR21RC-22

Mine references:

Brule Mine 0900215
Permit C-221

Coal Zone Legend

Conuma A coal zone: coal beds CAA, CAB, and Marker D

Conuma B coal zone: coal beds CBA and CBB; split between these coals thickens to west

Conuma C coal zone: coal beds CCA and CCB, generally directly superposed; split opens out to northwest

Marker A coal zone; locally split

Structural Legend

Interpreted crest of anticline at bedrock

Interpreted trough of syncline at bedrock

Interpreted trace of thrust fault at bedrock

Borehole locations (prior to 2020)

BR21RC-13 2020-2022 exploratory boreholes

BM19-07 2018-2019 exploratory boreholes

TH20-142 2019-2021 shallow test holes

59 Bedding attitude

59 Bedding attitude (carbonaceous rocks and/or coal beds)

Road, all-weather

6141700
571500
6141500
6141000
6140500
6140000
572000
572500
573000
573500
573700
6139700

Dwg.: Brule-tectonics-2022_220527a.srf/jpg
Topographic base (as of July 2021): M. Sales, P.E.
Geological compilation: 2022/05 Drawn: 27 May 2022
By: C.G. Cathyl-Huhn, P.Geo.(BC) Lic.Geol.(WA) RMSME
Grid: UTM NAD83 Zone 10 in metres Scale: as shown

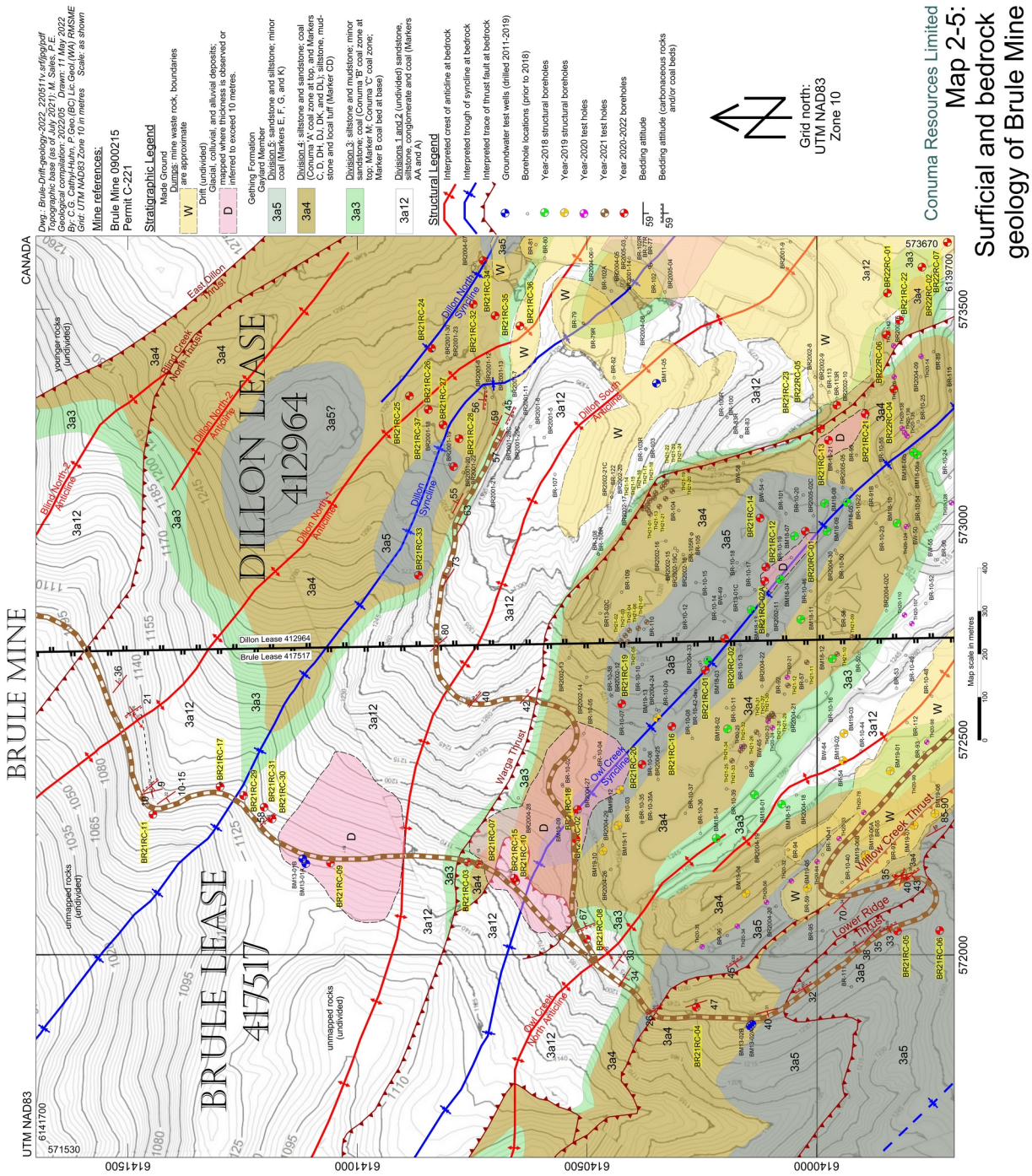
Map scale in metres

0 200 400 600 800

Conuma Resources Limited

Brule Mine

Map 2-4: Distribution of major thrusts and folds



Surficial and bedrock geology of Brule Mine: **Map 2-5**

BRULE MINE

UTM NAD83

CANADA

Dwg.: Brule-Drift-geology-2022_220511v.srf/jpg/pdf
Topographic base (as of July 2021): M. Sales, P.E.
Geological compilation: 2022/05 Drawn: 11 May 2022
By: C.G. Cathyl-Huhn, P.Geo.(BC) Lic.Geol.(WA) RMSME
Grid: UTM NAD83 Zone 10 in metres Scale: as shown

Mine references:

Brule Mine 0900215
Permit C-221

Stratigraphic Legend

Made Ground
Dumps: mine waste rock, boundaries are approximate — W

Drift (undivided)
Glacial, colluvial, and alluvial deposits; mapped where thickness is observed or inferred to exceed 10 metres. — D

Gething Formation
Gaylard Member

3a5 — Division 5: sandstone and siltstone; minor coal (Markers E, F, G, and K)

3a4 — Division 4: siltstone and sandstone; coal (Conuma 'A' coal zone at top, and Markers C, D, DH, DJ, DK, and DL); siltstone, mudstone and local tuff (Marker CD)

3a3 — Division 3: siltstone and mudstone; minor sandstone; coal (Conuma 'B' coal zone at top; Marker M; Conuma 'C' coal zone; Marker B coal bed at base)

3a12 — Divisions 1 and 2 (undivided) sandstone, siltstone, conglomerate and coal (Markers AA and A)

Structural Legend

- Interpreted crest of anticline at bedrock
- Interpreted trough of syncline at bedrock
- Interpreted trace of thrust fault at bedrock
- Groundwater test wells (drilled 2011-2019)
- Borehole locations (prior to 2018)
- Year-2018 structural boreholes
- Year-2019 structural boreholes
- Year-2020 test holes
- Year-2021 test holes
- Year 2020-2022 boreholes
- 59 — Bedding attitude
- 59 — Bedding attitude (carbonaceous rocks and/or coal beds)

Grid north:
UTM NAD83
Zone 10

Conuma Resources Limited

Map 2-5: Surficial and bedrock geology of Brule Mine

Map scale in metres
0 100 200 300 400

2.2 Physiography, climate and vegetation

The Brule mining lease occupies a rounded and rolling plateau, bounded to the northwest by the steep southeastern wall of the Mink Creek valley, and to the northeast by the Blind Creek valley. Elevations range from 920 metres along a tributary of Blind Creek, to 1425 metres atop Camp Ridge.

The Brule area has a boreal montane climate, characterised by long, moderately cold, snowy winters and short, rainy summers. Snow and frost may occur in any month of the year. Winds are generally gusty and ongoing, with rare calm periods. Convective thunderstorms frequently occur during summer months, bringing intense rain-showers and occasional hail.

Treeline is not encountered within the property, other than as a consequence of wildfire, mining-associated forest clearance, or logging. Immature second-growth coniferous forest -- with some patches of mature timber -- covers most upland areas of the property, with more-abundant broadleaved trees along streams and creeks. South-facing slopes tend to be drier and less sparsely-treed.

Soil cover is patchy, consisting mainly, of till, colluvium and alluvium, with pockets of peat and silt within poorly-drained upland areas. Within open-pit mine-workings, bedrock or mine waste generally forms the ground surface.

2.3 Property description

The Brule coal property consists of one coal lease (**Map 2-2**), originally granted to Western Canadian Coal Corp. (WCC), subsequently taken over by Walter Energy, and since acquired by Conuma. **Table 2-1** presents details of the coal tenure at Brule, whose aggregate area is 1,471 hectares.

To maintain good status, coal leases require the payment of an area-based annual rental fee as prescribed by the provincial *Coal Act Regulation*. The annual rental fee for the Brule lease is $14,710 annually, payable on or before May 1st of each year.

Table 2-1: Coal tenure at Brule

Tenure numbers		Land description		Area in hectares (ha)	Dates		Annual rental at $10/ha
Current	Historic	Blocks	Units		Issued on	Renew by	
417517	CL 3073 CL 3074 CL 3075, CL 3081, CL 3086	93P/05 Block F	45, 46, 47, 48, 49, 50, 55, 56, 57, 58, 59, 60,69, 70, 79, 80, 89, 90, 99, 100	1471	May 1, 2007	May 1, 2022	$14,710
Totals		1 coal lease / 20 units		1471 ha			$14,710

2.4 Summary of drilling within Brule lease

The Brule lease has been extensively drilled, with total drilling to date of 212 boreholes and test holes, at a total length of 19,489.39 metres. Drilling which commenced prior to the end of April

in 2019 is regarded as 'historic', whereas drilling which commenced subsequent to May 1, 2019 is regarded as 'current', for purposes of this report's statistics.

Summary of drilling at Brule Lease: **Table 2-2**

Nature and timing of drilling	Number of holes	Overall depth (metres) as reported by drillers
Historic boreholes (1983-2019)	164	14,862.39
Current testholes:		
2019-2020 work term	*13*	*390*
2020-2021 work term	*none*	*nil*
2021-2022 work term	*15*	*287.79*
Current boreholes:		
2019-2020 work term	*none*	*nil*
2020-2021 work term	*2*	*568.45*
2021-2022 work term	*18*	*3380.76*
Subtotal (current boreholes / test holes)	(48)	(4627)
Total to date	212 holes	19489.39 metres

2.4.1 Historic drilling (1977-2019)

During the years 1977, 1978, 1980, 1981, 2002, 2003, 2005, 2009, 2010, 2013, 2018, and 2019, 164 boreholes (totalling 14,862.39 metres' depth of drilling) were put down within the current boundaries of the Brule lease. These boreholes have been reported in various of Teck's, Walter Energy's, and Conuma's prior coal assessment reports. Coal assessment reports concerning this work are available for download from the British Columbia Geological Survey's COALFILE online repository.

The majority of Teck's boreholes were cored, using a highly-mobile Winkie drilling rig. Teck also used a larger diamond-drill for a lesser number of their boreholes, and a rotary-drill for several others. Walter Energy and its predecessor firms, and subsequently Conuma, drilled mainly by means of air-rotary equipment, with limited coring.

Nearly all of the historic boreholes were geophysically logged, typically with gamma-density tools, but often also with neutron and resistivity tools.

2.4.2 Current drilling (2019-2020, 2020-2021, and 2021-2022 work terms)

Current drilling at Brule comprises deep exploratory boreholes and shallow test holes, drilled during the 2019-2020, 2020-2021, and 2021-2022 work terms.

Test holes were drilled by Brule Mine's blast-hole drills, and geophysically logged in batches. In contrast, exploratory boreholes required external drilling contractors, due to their greater depths. Two drilling companies were engaged to drill exploratory boreholes. The late winter-2021 boreholes were drilled by Anderson Water Services Ltd., from Fort St. John, British

Columbia, and the subsequent 18 boreholes (drilled in the summer and autumn of 2021) drilled by means of non-coring, air-rotary equipment, operated by Rocky Mountain Drilling Inc., from Hinton, Alberta.

Both of the exploratory-drilling contractors used a truck-mounted air-hammer drilling rig, service truck, and an air-compressor. No cores were taken, although coring is still under consideration as a follow-on activity. Typical borehole diameter was 15.24 cm (six inches) for the hammered sections of the holes, with a slight downhole diametric reduction if excessive water inflows forced a switchover to triconing. Surface casing was landed into competent bedrock. Cuttings and produced water were directed into excavated sumps. All borehole sites were situated along access roads, or on mine benches, with most of them being along the Brule Connector Road.

All boreholes (and test holes) were geophysically-logged by Century Wireline Services, from their base in Red Deer, Alberta. All logging runs were uphole, maintaining the logging cable in tension. Gamma-density tools were run in all holes, deviation and dipmeter in most holes, with neutron and sonic in a few holes. No non-standard geophysical tools (such as televiewers or the 'KUT-log' spectral gamma tool) were run. Standard logging presentation scale was 1:100, in keeping with previous programmes at Brule and Dillon. Geophysical logging is discussed further in **Appendix A**.

2.4.3 Exploratory drilling during 2019-2020 work term

Exploratory boreholes were not drilled within the Brule lease during the 2019-2020 work term.

2.4.4 Exploratory drilling during the 2020-2021 work term

Two exploratory boreholes (**Table 2-3**), totalling 568.45 metres' length, were drilled and logged within the Brule lease during the late winter of 2021, during the final quarter of the 2020-2021 work term. This drilling was done in conjunction with a larger programme of deep structural drilling done within the adjoining Dillon lease.

Exploratory boreholes drilled during 2020-2021 Brule work term: **Table 2-3**

Borehole	UTM (NAD83, Zone 10)		Elevation	Drilling geometry		Total depth (driller)	Geophysical logging date
	Easting	Northing		Azimuth	Dip		
BR21RC-01	572661.76	6140242.25	1301.12	0	-90	311.81	2021 Jan 30
BR21RC-02	572338.3	6140520.82	1230.66	0	-90	256.64	2021 Feb 3
			Totals	2 holes		568.45	

Note: both boreholes stopped within the Gaylard Member of the Gething Formation.

2.4.5 Exploratory drilling during the 2021-2022 work term

Eighteen exploratory boreholes (**Table 2-4**), totalling 3380.76 metres' length, were drilled and logged within the northwestern portion of the Brule lease during the summer and autumn quarters of the 2021-2022 work term. As with the previous programme of exploratory drilling, this work was done in conjunction with drilling programmes within the adjoining Dillon lease.

Four of the 2021-2022 Brule boreholes reached the Cadomin Formation (thus proving the basal Gaylard coal-measures and associated basal sand unit). Three of these boreholes intersected the entire thickness of the Cadomin, bottoming in the underlying Minnes Group. Although the Cadomin had previously been reached by an historic Teck borehole, the three Minnes

intersections reached strata previously-untested by coal-exploration boreholes.

Exploratory boreholes drilled during 2021-2022 Brule work term: **Table 2-4**

Borehole	UTM (NAD83, Zone 10)		Elevation	Drilling geometry		Total depth (driller)	Geophysical logging date	Sub-Gaylard rock-unit reached
	Easting	Northing		Azimuth	Dip			
BR21RC-03	572215.89	6140759.56	1166.98	0	-90	296	2021 Jun 23	Cadomin Fm.
BR21RC-04	571879.06	6140262.04	1232.54	45	-65	160	2021 Jun 25	
BR21RC-05	572055.95	6139823.65	1260.63	0	-90	122.4	2021 Jun 27	
BR21RC-06	572057.12	6139731.63	1271.95	40	-60	121	2021 Jun 28	
BR21RC-07	572211.2	6140736.79	1168.33	190	-60	213.36	2021 Jul 1	
BR21RC-08	572037.3	6140500.45	1200.63	0	-90	141	2021 Jul 3	
BR21RC-09	572214.04	6141058.6	1147.82	0	-90	141	2021 Jul 4	Minnes Gp.
BR21RC-10	572171.29	6140655.19	1172.57	0	-90	268	2021 Jul 8	
BR21RC-11	572326.7	6141445.45	1129.31	25	-60	146	2021 Jul 9	Minnes Gp.
BR21RC-15	572178.52	6140658.51	1172.22	210	-75	262	2021 Jul 28	
BR21RC-16	572531.16	6140315.12	1270.38	0	-90	310	2021 Jul 29-30	
BR21RC-17	572391.23	6141298.98	1131.37	0	-90	243	2021 Aug 2	Minnes Gp.
BR21RC-18	572269.09	6140523.64	1218.23	275	-60	256	2021 Aug 5	
BR21RC-19	572583.85	6140424.46	1277.86	72	-65	177	2021 Aug 7	
BR21RC-20	572443.01	6140380.21	1255.5	225	-70	196	2021 Aug 9	
BR21RC-29	572370.62	6141248.09	1135.79	0	-90	104	2021 Nov 19	
BR21RC-30	572316.36	6141185.68	1149.37	0	-90	129	2021 Nov 21	
BR21RC-31	572343.48	6141203.34	1149.74	215	-60	95	2021 Nov 23	
			Totals	18 holes		3380.76		

Note: all holes which reached top of Minnes Group also penetrated the top of the overlying Cadomin Formation. Holes, for which a sub-Gaylard rock unit is not named, stopped in the Gaylard Member of the Gething Formation.

2.4.6 Test holes drilled during 2019-2020 work term

During the 2019-2020 work term, 13 shallow test holes (**Table 2-5**) were drilled within the Brule lease, by means of Brule Mine's blast-hole rigs. Total drilled length was 390 metres, and drilled depth of each hole (reported by drillers) was 30 metres. Depth limitation was on account of the number of drilling rods that could be mounted on the drills. Casing was not set in these holes.

Test holes drilled during 2019-2020 Brule work term: **Table 2-5**

Test hole	UTM (NAD83, Zone 10)		Elevation	Drilling geometry		Total depth (driller)	Geophysical logging date
	Easting	Northing		Azimuth	Dip		
TH20-21	572645.34	6140063.77	1333.74	0	-90	30	3 Mar 20
TH20-23	572543.43	6140105.26	1325.19	0	-90	30	27 Feb 20
TH20-24	572528.16	6140096.29	1324.58	0	-90	30	28 Feb 20
TH20-25	572483.47	6140162.94	1317.08	0	-90	30	28 Feb 20
TH20-32	572172.08	6140054.79	1270.1	0	-90	30	2 Mar 20
TH20-33	572270.5	6139950.65	1270.2	0	-90	30	2 Mar 20
TH20-34	572067.42	6140172.86	1280.16	0	-90	30	27 Feb 20
TH20-35	572019.55	6140249.15	1281.43	0	-90	30	27 Feb 20
TH20-56	572122.67	6140109.1	1271.22	0	-90	30	2 Mar 20
TH20-64	572216.83	6139998.52	1269.91	0	-90	30	2 Mar 20
TH20-78	572331.28	6139897.18	1269.47	0	-90	30	2 Mar 20
TH20-98	572494.49	6139759.66	1276.6	0	-90	30	2 Mar 20
TH20-99	572422.8	6139799.57	1269.56	0	-90	30	2 Mar 20
			Totals	13 test holes		390 metres	

Note: test hole numbering in the 2019-2020 programme had gaps, the reason for which was not documented.

The 2019-2020 test holes at Brule lease were geophysically logged with gamma-density and deviation tools, with the deviation tool being run to allow checking of the downhole trajectories of these wide-diameter holes. Deviation was observed to be minimal, and so test holes were not logged for deviation during subsequent work terms. Test holes drilled in 2019-2020 were done in conjunction with an extensive programme of test hole drilling within the adjacent Dillon lease. Results of the Dillon holes have been reported in coal assessment report 1074.

2.4.7 Test hole drilling during 2020-2021 work term

Test holes were not drilled within the Brule lease during the 2020-2021 work term.

2.4.8 Test holes drilled during 2021-2022 work term

During the 2021-2022 work term, 15 shallow test holes (**Table 2-6)** were drilled within the Brule lease, again by means of Brule Mine's blast-hole rigs. Most of the test holes were shallow, at less than 14 metres. Total drilled length was 287.79 metres, and maximum drilled depth was 32.5 metres. Depth limitation, as before, was occasioned by the number of drilling rod segments that could be mounted on the drills. Casing was not set in these holes. The 2021-2022 test holes were geophysically logged solely with gamma-density tools. As was the case in 2019-2020, test holes were drilled in conjunction with a test-hole drilling programme within the adjoining Dillon lease.

Test holes drilled during 2021-2022 Brule work term: **Table 2-6**

Test hole	UTM (NAD83, Zone 10)		Elevation	Drilling geometry		Total depth (driller)	Geophysical logging
	Easting	Northing		Azimuth	Dip		
TH21-10	572699.21	6139955.26	1229.59	0	-90	24.2	6 Aug 21
TH21-11	572680.15	6140021.08	1229.79	0	-90	30.2	6 Aug 21
TH21-12	572626.45	6140062.47	1230.19	0	-90	29.6	6 Aug 21
TH21-25	572451.29	6140184.1	1220.08	0	-90	30	12 Sep 21
TH21-26	572464.63	6140173.44	1220.39	0	-90	11.3	13 Sep 21
TH21-27	572469.65	6140169.48	1220.35	0	-90	11.3	13 Sep 21
TH21-28	572474.75	6140165.53	1220.17	0	-90	11.2	13 Sep 21
TH21-29	572479.87	6140161.2	1220.12	0	-90	11.2	13 Sep 21
TH21-30	572484.91	6140157.29	1220.09	0	-90	11.1	13 Sep 21
TH21-31	572518.06	6140130.71	1220.37	0	-90	32.4	13 Sep 21
TH21-32	572553.6	6140102.56	1220.53	0	-90	32.5	13 Sep 21
TH21-33	572555.24	6140101.21	1220.51	0	-90	13.99	13 Sep 21
TH21-34	572561.04	6140096.35	1220.29	0	-90	13.5	13 Sep 21
TH21-35	572554.86	6140093.76	1220.57	0	-90	13.6	13 Sep 21
TH21-36	572549.99	6140104.93	1220.62	0	-90	11.7	13 Sep 21
			Totals	15 holes		287.79 metres	

Note: elevations and depths in metres; total depths as reported by drillers

2.4.8.1 Cross-reference to interpretation of boreholes and test holes

Depths to the roof of coal beds and geological marker horizons, as well as to the floor of major coal beds, are presented as **Tables 4-3** through **4-8** in **Section 4** of this report.

- **Appendix A** presents statistics concerning drilling and downhole geophysical logging;
- **Appendix B** presents lithological and stratigraphic interpretations of boreholes and test holes;
- **Appendix C** presents interpreted gamma density logs from exploratory boreholes; and
- **Appendix D** presents digital copies of logs (in LAS, PDF, and TIF formats).

2.4.8.2 Identification and correlation of coal bed intersections

The coal-measures within the Brule and Dillon coal leases contain numerous thin ('minor') and thick ('major') coal beds, much moreso than previously-interpreted. The reason for this increase in recognition stems from the generally-greater length of individual boreholes, especially within structurally-complex areas. As well, deeper horizons within the coal-measures have been drilled at Brule.

Coals, and their laterally-equivalent carbonaceous mudrocks, are readily-identifiable with seam names in those cases where correlations are well-established, with emphasis upon coals which are well-established as having mineable thickness. Other thinner or more sporadically-developed coals and their correlative carbonaceous mudrocks have also been assigned their own 'marker' names (as seen in **Tables 4-1** through **4-8**), although with the caveat that their lateral continuity is less-confidently established.

Table B-1, presented within **Appendix B** of this report, contains lithological interpretations ('lith-files') of downhole geophysical logs from current boreholes and test holes within the Brule lease and adjoining Dillon lease. This table should be read in conjunction with the interpreted gamma-density logs presented in **Appendix C**.

2.4.9 Drilling programme intention and outcome

Current exploratory drilling within the Brule lease was initially intended to reduce the ambiguity of structural and coal-thickness modelling results within the western portion of Brule Mine, and furthermore to test for possibly westward and northward extensions of potentially-workable coal.

By confirming the presence of coal-zone splits, pinch-outs, and overthrust faulting (locally including substantial tectonic thickening) of the deemed-mineable coals, the drilling has met its technical objectives.

Deposit-modelling work is being conducted by Brule Mine's technical staff. Full results of the modelling are not yet available as of the time of present writing.

2.5 Acknowledgements and professional responsibility

David Thompson P.Geo., Bryan Ottewell P.Eng., Amy Budinski P.Geo., Adriana Matesoi, and Jessica Daigneult capably and nimbly conducted the 2019-2022 exploratory drilling and in-pit testhole drilling within the Brule lease and adjoining portions of the Dillon lease.

Valuable discussions of exploratory tactics were had with Bob Britton P.E., and additional engineering support such as provision of base-mapping and aerial imagery was provided by Allen Baron EIT, and Michael Sales P.E. Duane Lucas P.Geo. and the author conducted reconnaissance structural mapping of the northwestern portion of the Brule lease.

The author, Gwyneth Cathyl-Huhn P.Geo., accepts professional responsibility for contents of this report. Effective date of this report is May 1, 2022.

3 Geology

Regional and local geology of the Brule lease (**Maps 2-3** through **2-5**) is known mainly from the extensive work of Drs. Donald F. Stott (1960; 1963; 1968; 1972; 1973; 1974; 1981; 1998) and David Gibson (1992), both from the Geological Survey of Canada, Bruce McClymont (1979; 1981) from Teck, and Dr. M. A. Chowdry (from BP Coal, largely-unpublished work, late 1970s and early 1980s).

As well, numerous other relevant coal-company reports are available as coal assessment reports from the British Columbia Geological Survey Branch, as cited in **Section 7** of this report. Copies of reports (including maps, geophysical logs, and other illustrations, subject to a three-year confidentiality embargo) are available for download via the Survey's website.

3.1 Regional geology

The Brule lease lies within the Brazion coalfield of northeastern British Columbia, part of the Foothills structural province of the Canadian Cordillera. All rocks exposed at the ground surface are of Early Cretaceous age, belonging to the Minnes (Tithonian to Valanginian stages) and Bullhead (Barremian to Aptian stages) groups.

Where not subsequently eroded, the total undeformed thickness of these rocks is estimated to be 1560 to 1625 metres. Deformed thickness of the strata, as proven by nearby gas wells, is quite substantially greater, at 3000 to 4000 metres.

Depth to Precambrian continental basement, including both Mesozoic and Palaeozoic rocks, is more substantial, in the range of 10 to 12 kilometres (McMechan, 1984), although some of this thickness is attributable to thrust-induced tectonic stacking of the strata, and to associated shortening across folds (McMechan, 1985).

The majority of sedimentary rocks within the Brazion coalfield (**Table 3-1**) are clastic in origin, ranging in grain-size from claystones and mudstones through pebble-conglomerates. Lesser amounts of biologically- and chemically-derived sedimentary rocks are present, comprising coals, banded and nodular ironstones, glauconite-rich sandstones and gritstones, and impure dolomites.

Pyroclastic rocks constitute a very small component of the Jurassic and Early Cretaceous strata, comprising very fine- to fine-grained tuffs (the 'ash bands' of **Table B-1**) interpreted to have originated as wind-borne distal ash-fall deposits from contemporaneous volcanoes situated within the Coast Plutonic Complex, far to the southwest of the Brazion coalfield. Characteristically, volcanic rocks occur as very thin (at most a few decimetres) yet regionally-extensive bands of silt to clay-sized particles, with distinctive pale colour and anomalously-high natural gamma radioactivity (200 to 300 API units), which are of use as geological and geophysical markers for structural and stratigraphic correlations.

In the nearby Dillon lease, pinkish- to reddish-weathering, compact to scoriaceous paralavas are locally present as cappings atop coal beds, particularly at hilltops. These unusual rocks are interpreted as bocannes, formed by lightning-ignited coal fires. Such rocks have not been encountered within the Brule lease.

No intrusive rocks are known to occur at Brule, nor within the Brazion coalfield in general.

Table 3-1: Table of formations, members and subdivisions

Group/Formation/ Member			Map-Unit	Lithology and thickness		Coal bed details
Bullhead Group	Gething Fm.	Chamberlain Mb.	3d	sandstone, siltstone; minor conglomerate and coal		*likely removed by erosion within Brule lease*
		Bullmoose Mb.	3c	marine shale and siltstone; minor sandstone, tuff.		
		Bluesky Mb.	3b	glauconitic pebbly sandstone, pebbly mudstone and conglomerate.		
		Gaylard Mb.	3a	3a5	Division 5 (beds above Conuma 'A' coal zone): sandstone and siltstone, coal, tuff; 95 to 105 m thick.	minor marker coals: Markers KA,KB, G, F, EA, and EB
				3a4	Division 4 (beds above Conuma 'B' coal): siltstone and sandstone; coal; minor tuff; 45 to 75 m thick.	major coal: Conuma 'A' zone (CAA and CAB beds) at top; Marker D coal close below; many minor marker coals: DH, DJ, DK, DL, DM, DN, C, CB (close below), CL, CM, and CN. Shale zone: Marker CD (lacustrine?)
				3a3	Division 3: siltstone and shale; coal; 8 to 35 m thick.	major coals: Conuma 'B' zone (CBA and CBB beds) at top and Conuma 'C' zone (CCA and CCB beds) near base; minor coal (Marker M) locally present close above Conuma 'C' coal; Marker B at base.
				3a2	Division 2 (beds below Conuma 'A' coal): siltstone and sandstone; minor conglomerate and coal; 70 m thick	minor coals: Markers AA (near top) and A (near base); several thin coals above Marker A, not yet correlated. Below Marker A are minor marker coal AB (close below Marker A and locally conjoint); also markers AG, AH, AL, AP, AR, AS, AT, and AV.
				3a1	Division 1: (beds below top of Basal Sand) sandstone, conglomerate and siltstone; minor coal near base; 55 to 100 m thick.	Basal Sand at top; minor marker coals AX and AY below, Base of this division is the top of the Cadomin Formation.
	Cadomin Fm.		2	gritty sandstone; conglomerate; minor siltstone; 5 to 10 m thick		
Minnes Group	Bickford Fm. (formerly known as the Brenot Fm.)		1	1d	sandstone, siltstone, mudstone and coal; 285 to 300 m thick.	only uppermost portion has been reached by drilling.
	Monach Fm.			1c	sandstone and quartzite; minor siltstone and conglomerate; 50 m thick.	
	Beattie Peaks Fm.			1b	sandstone, siltstone and shale; ironstone and coal; 300 m thick.	not yet drilled within property.
	Monteith Fm.			1a	sandstone, shale and conglomerate; quartzite; 600 m thick?	

3.1.1 Regional sedimentology

During deposition of the coal-measures, the Western Interior of North America was occupied by a shallow seaway, variably-designated by different authors as the Western Interior Sea, the Boreal Sea, or by analogies of formation names, such as the Clearwater Sea, Hulcross Sea or Moosebar Sea. Seaway depths, magnitude of accommodation space for sediments, and overall shoreline trends, were largely controlled by vertical movements within a block-faulted crystalline basement terrane of Precambrian age, the Peace River Arch (Stelck, 1975).

During the latest Jurassic and earliest Cretaceous periods, sediments of the Minnes Group

and the basal part of the Bullhead Group were derived from actively-eroding upland areas within the North American craton, particularly from the Peace River Arch. The receiving seaway during this early time period lay to the west of the craton, within an actively-subsiding continental shelf which prograded westwards into the ancestral Pacific Ocean. Subsequently, slightly later within the Early Cretaceous period, sediments of the upper Bullhead Group were derived from actively-rising thrust-faulted tectonic forelands situated to the west and southwest of the seaway, synchronous with the docking of allochthonous tectonic terranes against the western margin of the North American craton.

It should be noted that at regional (10- to 30-kilometre) scale, the geometry of the Gething delta is still poorly understood, owing to the delta still being only patchily-drilled as local mine-scale concentrations of boreholes.

3.1.2 Regional tectonics

The Brazion coalfield's structural geology is moderately complex, on a similar order of complexity as seen to the southeast at deeper structural levels near Sukunka Colliery (Wallis and Jordan, 1974). The overall deformational style of the coal-measures is thin-skinned (Barss and Montandon, 1981), dominated by arcuate, northeast-verging, passively-folded, imbricate thrust-faults, with associated northwest-striking concentric folds. Folds become progressively tighter from southwest to northeast.

Thrusts locally overlap in *en echelon* manner, with displacement gradually transferring from one fault to another via trains of folds. Thrusts range in scale from outcrop-scale mesoscopic features with stratigraphic displacements of a few decimetres to a few metres, to throughgoing faults and fault zones (such as the Willow Creek or Bullmoose thrusts), whose stratigraphic offsets may locally be as great as several hundred metres, and whose total shortening may be up to a kilometre.

Age relationships amongst the thrusts are as generally-observed within the Cordilleran fold-thrust belts of northwestern North America, with the oldest thrusts occupying stratigraphically-higher positions (generally to the southwest) of the stratigraphically-lower and younger thrusts.

3.2 Structural geology at property scale

In detail, the Brule lease occupies a series of moderately- to tightly-compressed structural slices of coal-measures (informally referred to as structural 'plates', following general regional practice) bounded and stacked by northeastward-verging thrust-faults. Folds are concentric and cylindrical within the centre of their strike length, tending to change to conical forms at either end of their strike length. Near-isoclinal *en-echelon* folds have been observed (and their contained coals successfully mined) within the north-central portion of the Dillon lease, which adjoins Brule to the east.

In some cases, structural shortening and consequent layer-parallel slip has been accommodated by intense shearing within coal beds. The most noteworthy horizons of internal shearing, as indicated by 'breakouts' of caliper-logged boreholes, are within the Marker D coal bed, close beneath the Conuma 'A' coal zone, ands within the Marker B coal bed, close beneath the Conuma 'C' coal zone. Shearing within Markers D and B may represent local- to property-scale horizons of tectonic detachment, along which thrust faults have telescoped the coal-

measures. As well, the Conuma 'C' coal zone has been the locus of bed-over-bed bedding-parallel stacking, along now mined-out portions of the crestal area of the Orica Anticline.

Despite the pervasive faulting of the coal-measures, normal stratigraphic facing of the rocks is generally preserved. Overturned beds have not been observed within the Brule lease, nor further to the west within the adjoining Dillon lease. However, within the tightly-compressed synclines of the along the northeastern forelimb of the Owl Creek syncline, multiple structural 'horses' of overthrust coal have been encountered by boreholes.

Thrust faults, as inferred from landforms and from borehole intersections, in general display sinuous map traces. Thrusts are furthermore suspected to curve vertically (with concave-upward spoon-shaped listric geometry) in consequence of structural refraction between weak and strong beds, and also due to passive folding above later-formed structural ramps along deeper, younger thrusts.

Map 2-3 depicts the interpreted regional-scale pattern of thrusts and folds within and adjacent to the Brule lease, whereas **Maps 2-4** and **2-5** depict the local-scale structural pattern of the area which was drilled in 2019-2022. Some of the structures (such as the Warga and Lower Ridge thrusts) were named by Teck Corporation's workers, whereas names of other structures have been inherited from more detailed work by Walter Energy staff and by consultants studying the Brule and Dillon areas, whilst yet others are newly-coined by the author for the purposes of the ongoing regional geological synthesis which underpins the present report.

At the bedrock surface, positional confidence of faults, folds and associated geological-unit contacts ranges from 'possible' to 'probable' within the Brule lease. Within boreholes, the assurance-of-position of interpreted faults ranges from 'possible' to 'established'.

4 Stratigraphic details of coals and rock-units at Brule

A generalised stratigraphic profile of the Mesozoic section at Brule is presented above as **Table 3-1**. Thicknesses of rock-units are estimated mainly from drilling results, limited geological mapping, and from regional stratigraphic trends.

The following discussion examines the major rock-units and associated coal beds within the Brule lease. For convenience, discussion follows the headings of 'Younger rocks' (**Section 4.1**), 'Gething Formation coal-measures' (**Section 4.2**) and 'Older rocks' (**Section 4.3**).

4.1 Younger rocks

Rocks younger than the coal-bearing Gaylard Member of the Gething are inferred to have been stripped-away by erosion from all but the northernmost portion of Brule lease. These younger rocks, the basal part of the Fort St. John Group, are locally preserved beneath a major throughgoing thrust (the Bullmoose Thrust) situated in the Dillon lease, within the headwaters of Blind Creek.

Several kilometres' thickness of Fort St. John Group rocks are inferred to have originally overlain the Gething coal-measures throughout the Brule lease, and to have therefore caused the deep burial of the Gething coals which (coupled with high heat-flow) resulted in their having reached a low-volatile bituminous rank at Brule.

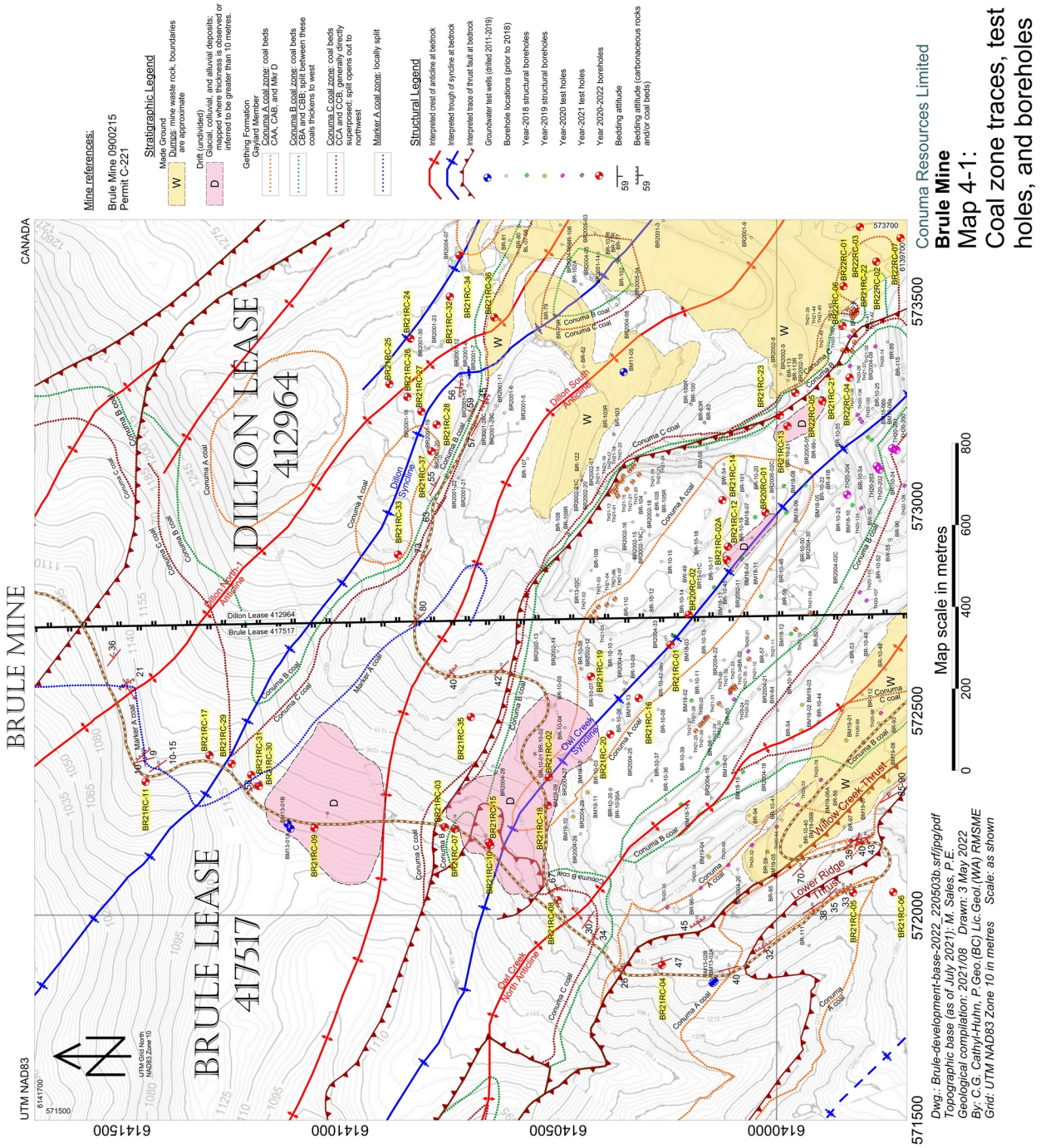
4.2 Gething Formation coal-measures (map-unit 3)

The Gething Formation, of early Aptian to early Albian age within the Early Cretaceous (Gibson, 1992), comprises thin to thick interbeds of siltstone, sandstone, mudstone and coal, with lesser amounts of gritstone, pebble-conglomerate, ironstone and tuff. The Gething Formation includes beds formerly designated as the Dresser Formation by Hughes (1964); subsequently, the Gething's current stratigraphic extent was established by Stott (1968), as outlined in **Table 4-1**.

The Gething Formation originated as a complex of non-marine to shallow-marine sedimentary deposits, laid down by meandering and braided streams and rivers within a widely-extensive belt of coastal deltas, of which two (the Gaylard and Chamberlain paleodeltas) extended into the Brule / Dillon area.

Table 4-1: Progressive revisions to Lower Cretaceous stratigraphy

Hughes (1964)	Stott (1968)	Gibson (1992)	Walter / Conuma usage (2014-present)	
Moosebar Fm.	Moosebar Fm.	Moosebar Fm.	Moosebar Fm.	Spieker Mb.
				Cowmoose Mb.
	Bluesky Fm.			Green Marker
Gething Fm.	Gething Fm.	Gething Fm.	Gething Fm.	Chamberlain Mb.
				Bullmoose Mb.
				Bluesky Mb.
Dresser Fm.				Gaylard Mb.
	Cadomin Fm.	Cadomin Fm.	Cadomin Fm.	
Brenot Fm.	Bickford Fm.	unnamed unit	Bickford Fm.	



Map 4-1: Coal zone traces, test holes, and boreholes

BRULE MINE

UTM NAD83

CANADA

BRULE LEASE 417517

DILLON LEASE 412964

UTM Grid North
NAD83 Zone 10

Brule Lease 417517

Dillon Lease 412964

Dillon North-1 Anticline

Dillon Syncline

Dillon South Anticline

Owl Creek North Anticline

Owl Creek Syncline

Lower Ridge Thrust

Willow Creek Thrust

Marker A coal

Conuma A coal

Conuma B coal

Conuma C coal

D

W

Mine references:

Brule Mine 0900215
Permit C-221

Stratigraphic Legend

Made Ground

W — Dumps: mine waste rock, boundaries are approximate

Drift (undivided)

D — Glacial, colluvial, and alluvial deposits; mapped where thickness is observed or inferred to be greater than 10 metres.

Gething Formation
Gaylard Member

Conuma A coal zone: coal beds CAA, CAB, and Mkr D

Conuma B coal zone: coal beds CBA and CBB; split between these coals thickens to west

Conuma C coal zone: coal beds CCA and CCB, generally directly superposed; split opens out to northwest

Marker A coal zone; locally split

Structural Legend

Interpreted crest of anticline at bedrock

Interpreted trough of syncline at bedrock

Interpreted trace of thrust fault at bedrock

Groundwater test wells (drilled 2011-2019)

Borehole locations (prior to 2018)

Year-2018 structural boreholes

Year-2019 structural boreholes

Year-2020 test holes

Year-2021 test holes

Year 2020-2022 boreholes

59 — Bedding attitude

59 — Bedding attitude (carbonaceous rocks and/or coal beds)

6141700
571500
6141500
6141000
6140500
6140000
572000
572500
573000
573500
573700
6139700

Map scale in metres
0 200 400 600 800

Dwg.: Brule-development-base-2022_220503b.srf/jpg/pdf
Topographic base (as of July 2021): M. Sales, P.E.
Geological compilation: 2021/08 Drawn: 3 May 2022
By: C.G. Cathyl-Huhn, P.Geo.(BC) Lic.Geol.(WA) RMSME
Grid: UTM NAD83 Zone 10 in metres Scale: as shown

Conuma Resources Limited

Brule Mine

Map 4-1:

Coal zone traces, test holes, and boreholes

Coals of the Gething Formation at Brule, and their enclosing sedimentary rocks, were deposited between 111 and 123 million years ago (Gibson, *ibid.*), according to plant-fossil and foraminiferal zonations. Gibson formally divided the Gething Formation into three members: the upper, non-marine to transitional Chamberlain Member, the middle marine Bullmoose Member, and the basal, non-marine to transitional Gaylard Member. A fourth member of the Gething Formation, the Bluesky Member, is also inferred to be present between the base of the Bullmoose Member and the top of the Gaylard Member.

The Chamberlain coals and their enclosing rocks, together with the underlying marine rocks of the Bullmoose and Bluesky members, have been completely removed by erosion within the explored and mined portions of the Brule lease, although Chamberlain coals outcrop in road-cuts along the Mine View road, within the Dillon lease.

4.2.1 Gaylard Member (map-unit 3a)

The Gaylard Member of the Gething Formation is represented at Brule by approximately 330 metres of siltstone, sandstone, mudstone and minor ironstone, tuff, gritstone and conglomerate, accompanied by three thick coal zones (from top down, the Conuma 'A', Conuma 'B', and Conuma 'C' zones, often several metres thick, and at least eighteen thinner coal beds (collectively termed the 'Marker' coals) which in comparison seldom exceed 1.5 metres' thickness.

4.3 Coal intersections in 2019-2022 boreholes and test holes at Brule

Tables 4-3 through **4-8** present the drilled depths of the generally-thin marker coals and the thicker major coal beds intersected by 2019-2022 drilling within the Brule lease.

- All depths are in metres to the roof of the named bed, with the exception of Drift, which is given as a thickness.
- Depths to the floor of major coal beds are given;
- Depths of the aperture (fault-zone boundaries) of interpreted faults are given;
- Faulted coal-bed contacts are denoted by F/ (faulted roof) and /F (faulted floor); and
- Thrust-repeated coal beds have multiple depths entered into the tables.

4.4 Subdivisions of the Gaylard coal-measures

At Brule and Dillon, the Gaylard coal-measures may be usefully (albeit informally) subdivided into five 'divisions', based mainly upon gross lithology and the presence of major coal beds. **Table 4-2** lays out details of these sub-units, which are numbered in upwards order as Division 1 through Division 5. These tables include the map-unit designations of the divisions: map-unit 3a1 for Division 1, and thus on upwards to map-unit 3a5 for Division 5.

Stratigraphic summary of coal beds at Brule: **Table 4-2**

Gaylard divisions	**Coal beds**	Lithology	**Typical thickness of coal bed /** Typical thickness of intervening strata
Division 5		sandstone and siltstone	at least 10 metres
	Marker K	coaly mudstone and dirty coal, typically a doublet, **MKA** and **MKB**	**0.5 to 1.5 metres**
		fine- to coarse-grained sandstone and siltstone; minor gritstone and coal	50 to 60 metres
	Marker G	**coal** – dull and bright, clean to dirty; numerous thin partings of carbonaceous to coaly mudstone; denoted as **MG**.	**0.5 to 1.5 metres**
		variably-carbonaceous mudstone, siltstone and sandstone.	4 to 10 metres

Stratigraphic summary of coal beds at Brule: **Table 4-2 (continued)**

Gaylard divisions	Coal beds	Lithology	Typical thickness of coal bed / Typical thickness of intervening strata
Division 5 (continued)	**Marker F**	**coal** – bright banded, high gamma-ray response in roof.; denoted **MF**.	**0.5 to 0.8 metres**
		sandstone, variably-carbonaceous siltstone and mudstone.	20 to 25 metres
	Marker E	**coal** – dull and bright to bright banded; occasional carbonaceous mudstone and mudstone/sandstone laminite; denoted as **MEA** and **MEB**.	**0.5 to 1.5 metres**
		fine- to medium-grained sandstone, mudstone and carbonaceous mudstone; occasional ironstone bands near base.	10 to 15 metres
	Conuma A coal zone	**coal** – dull to bright banded, with numerous thin bands of carbonaceous to coaly mudstone and siltstone; denoted as **CA.**	**2.7 to 7.0 metres;** locally amalgamates with underlying Marker D coal
		mudstone; minor siltstone; locally thickens due to presence of sandstone.	0.1 to 20 metres; thins northwestward
	Marker D	**coal** – dull to dull and bright, generally sheared; locally intensely-sheared and therefore inferred to host a bedding-parallel tectonic detachment zone; *has variable caking characteristics*.; denoted as **MD**	**0.5 to 2.0 metres;** thickens to north
		siltstone and sandstone, with locally-abundant coals up to several decimetres thick (including locally-correlatable coals **MDH, MDJ,** and **MDK**)	5 to 15 metres
	Marker DL	**coal** – dull lustrous to dull and bright, locally sheared.; denoted as **MDL**	**0.5 to 1.2 metres**
Division 4		siltstone; fine- to medium-grained sandstone, mudstone, minor thin coals **MDH**, **MDJ**, **MDK**, **MDL**, **MDM** and **MDN**, associated with carbonaceous mudstone and tuff.; includes **MCD** (possible lacustrine beds)	15 to 20 metres
	Marker C	**coal** – dull lustrous to bright, locally sheared; denoted as **MC;** locally with basal ply or proximal split **MCB**.	**0.5 to 1.0 metres;** thins northward
		fine- to medium-grained sandstone; mudstone, minor siltstone; occasional bioturbated zones; with high gamma-log response in floor – *marine band*?	10 to 11 metres
	(unnamed)	**coal** – **MCL**, bright, with bands of carbonaceous mudstone and siltstone.	**0.4 metres**
		fine- to medium-grained sandstone, mudstone; minor thin coals **MCM** and **MCN**; carbonaceous mudstone and siltstone, mainly as thin interbeds (point-bar structure?).	10 to 25 metres
Division 3	**Conuma B coal zone**	**coal** – dull and bright to bright banded, hard, locally containing 0.3 to 1.2 m parting of variably-carbonaceous mudstone. Where split, the upper ply is denoted as **CBA**, and the lower ply is denoted as **CBB.**	**0.5 to 4.0 metres;** thins and splits northward
		fine-grained sandstone and siltstone; carbonaceous mudstone.	nil to 25 metres; thickens northward
	Marker M	**coal** – dull and bright to bright banded. Locally conjoint with underlying uppermost coal **CCA**, at top of **Conuma C** coal zone.	**0.5 metres;** Z-split geometry: rising southward
		fine-grained sandstone and siltstone; carbonaceous mudstone.	nil to 3 metres; thickens southward
	Conuma C coal zone	**coal** – bright banded, moderately hard to hard, with well-developed cleat; locally containing parting of siltstone or variably-carbonaceous mudstone. Where split, the upper ply is denoted **CCA**, and the lower ply is **CCB**.	**2.0 to 11.0 metres;** thins and splits southward
Division 2		soft, variably-carbonaceous mudstone; minor siltstone.	0.2 to 1.8 metres
	Marker B	**dirty coal** -- dull and bright, very soft; with many very thin partings of carbonaceous mudstone; typically sheared; therefore inferred to host a bedding-parallel tectonic detachment zone; denoted as **MB**.	**0.45 to 1.0 metres**
		fine-grained sandstone, mudstone, minor siltstone.	10 to 15 metres
	Marker AA	**coal** – dull and bright to bright banded, dirty, hard, with bands of coaly to carbonaceous mudstone; denoted as **MAA.**	**0.5 to 1.5 metres**
		mudstone, siltstone and channel-filling sandstone with lenses of gritstone and pebble-conglomerate; carbonaceous to coaly mudstone, thin coals.	45 to 75 metres
	Marker A	**coal** – dull and bright to bright banded, hard; locally a doublet of coals, with a central parting of carbonaceous to coaly mudstone; denoted as **MA;** with lower split coal, denoted as **MAB.** Thin coals **MAG**, **MAH, MAL**, **MAP**, **MAR**, **MAS**, **MAT**, and **MAV below.**	**0.9 to 2.1 metres**; splits to southeast and possibly also to north.
Division 1		sandstone, mudstone and siltstone; minor thin coal **MAX** and **MAY**.	55 to 100 metres

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3**

Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR20RC-01	9.2		11.8	54.1	61.3	73	74.5	92.45	93.45/F		
Fault 93.45-93.6											
continued								F/93.6	94.55	94.55	96.25
Fault 104.0-104.1											
continued											
Fault 111.0-111.5											
continued								111.75	113.55	113.55	114.65
Fault 191.5-191.6											
continued											
Fault 195.0-195.1											
continued											
Fault 235.5-235.75											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR20RC-02	6.58	9.05	13.1								
Fault 16.1-16.2											
continued		16.35	19.15	71.4	79.75	90.45	92.2	102.55	103.75	103.75	105.5
Fault 111.7-111.8											
continued											
Fault 129.9-130.0											
continued											
Fault 153.9-154.0											
continued											
Fault 186.15-186.6											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-01	8.48		9.2	75.5	82.8						
Fault 84.25-84.35											
continued						100.15	101.4	114.5	116	116	117.75
Fault 152.85-153.0											
continued											
Fault 173.5-173.6											
continued											
Fault 243.8-244.25											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-02	30.5										
Fault 51.4-51.55											
continued											
Fault 67.45-67.55											
continued											

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (continued)**

Fault 86.35-86.5											
continued											
Fault 98.9-99.05											
continued											
Fault 143.2-143.3											
continued											
Fault 147.8-148.0											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-03	5.6										
Fault 28.6-28.8											
continued											
Fault 42.8-42.9											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-04	5.7										
Fault 41.65-41.75											
continued											
Fault 74.6-74.8											
continued											
Fault 92.9-93.1											
continued											
Fault 116.25-116.4											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-05	8.75							15.85	16.55	16.7	18.3
Fault 26.5-26.7											
continued											
Fault 40.05-40.25											
continued								50.15	51.05	51.05	51.55
Fault 72.1-72.2											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-06	11.75			23.2							
Fault 24.35-24.5											
continued				F/24.5							
Fault 33.0-33.15											
continued					NR	45	46.75	51.9	52.55	52.55	54.75
Fault 71.4-71.5											
continued								86.2	87	87	87.65
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-07	9.3										

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (continued)**

Fault 103.75-104.1											
continued											
Fault 125.7-125.8											
continued											
Fault 143.3-143.5											
continued											
Fault 144.8-145.1											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-08	5.2										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-09	9.04										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-10	11.65										
Fault 19.5-19.65											
continued											
Fault 29.75-29.9											
continued											
Fault 74.25-74.6											
continued											
Fault 102-2-102.3											
continued											
Fault 136.6-136.75											
continued											
Fault 154.8-155.0											
continued											
Fault 202-75-202.85											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-11	5.6										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-12	11.8			49.2	59	70.15	71	85.2	88	88	89.75
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-13	18										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-14	5.5				6.9	13	13.35	28.7	29.8	29.8	30.5
Fault 72.5-72.6											
continued											

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (continued)**

Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-15	10.2										
Fault 27.3-27.6											
continued											
Fault 31.4-31.6											
continued											
Fault 90.2-90.3											
continued											
Fault 102.7-102.9											
continued											
Fault 138.05-138.15											
continued											
Fault 203.9-204.15											
continued											
Fault 215.8-216.05											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-16	5.9	NR									
Fault 10.6-10.85											
continued			11	29.9	35.7	65.5	66.75	80.8	83.4	83.4	84.85
Fault 121.05-121.15											
continued											
Fault 136.9-137.1											
continued											
Fault 211.65-211.85											
continued											
Fault 219.7-219.8											
continued											
Fault 224.1-224.2											
continued											
Fault 296.0-296.1											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-17	18.1										
Fault 37.1-37.3											
continued											
Fault 90.8-90.95											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-18	13					NP	35.7	42.4	42.7	43.5	44.25
Fault 172.05-172.25											
continued											

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (continued)**

Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-19	4.4				13.2	26.3	27.3	36.95	39.3	39.3	41.2
Fault 57.2-57.3											
continued											
Fault 119.2-119.3											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-20	8.6				20.05	30	30.75	40.1	41.7	41.7	42.7
Fault 67.5-67.95											
continued											
Fault 76.4-76.8											
continued											
Fault 83.85-84.0											
continued											
Fault 159.9-160.3											
continued											
Fault 163.35-163.5											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-21	26.3										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-22	12.9										
Fault 47.65-47.75											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-23	16.9										
Faults 41.3-48.9											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-24	7.8										
Fault 72.25-72.35											
continued											
Fault 88.9-89.0											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-25	11.85										
Faults 73.35-75.15											
continued											
Fault 196.9-197.0											
continued											
Fault 212.3-212.7											

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (continued)**

continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-26	7.75										
Fault 58.8-58.9											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-27	5.45										
Fault 44.9-45.0											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-28	5.1										
Fault 62.4-62.6											
continued											
Fault 109.75-110.0											
continued											
Fault 131.0-131.3											
continued											
Fault 140.85-141.0											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-29	9.3										
Fault 85.0-85.2											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-30	5.5										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-31	5.2										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-32	7.7										
Fault 46.0-46.1											
continued											
Fault 79.55-79.7											
continued											
Fault 140.9-141.1											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-33	11.8							30.7	31	31.15	31.85
Fault 40.9-41.1											
continued											

Depth to roof of coals MKA to CAB at Brule and Dillon: **Table 4-3 (concluded)**

Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-34	11.9										
Fault 52.85-52.95											
continued											
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-35	>24	0									
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-36	15.35										
Borehole	Drift	MKA-rf	MKB-rf	MG-rf	MF-rf	MEA-rf	MEB-rf	CAA-rf	CAA-fl	CAB-rf	CAB-fl
BR21RC-37	5.5			6.2	14.3	24.2	25.7	32.4	32.65	33.4	34
Fault 34.0-34.2											
continued								37.3	37.6	38.2	38.9
Fault 119.4-119.45											
continued											
Fault 122.55-122.7											
continued											

Source file: Tops-worksheet-Blind_220521f.xls
Abbreviations in this table: -rf = roof; -fl = floor; F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4**

Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR20RC-01											
Fault 93.45-93.6											
continued	99.1	100.8	103.2								
Fault 104.0-104.1											
continued			105.35	106.5							
Fault 111.0-111.5											
continued	117.1	119.75	121.55	124.7	125.4	131.55	137.1	NR	164.35	190.3	
Fault 191.5-191.6											
continued										F/191.6	NR
Fault 195.0-195.1											
continued											
Fault 235.5-235.75											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR20RC-02											
Fault 16.1-16.2											
continued	107.2	108.4	110.95								

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (continued)**

Fault 111.7-111.8											
continued			114.45	116.15	117.7	120.85					
Fault 129.9-130.0											
continued			132.95	134.2	136.15	140.6					
Fault 153.9-154.0											
continued			156.5	158.7	160.4	164.3					
Fault 186.15-186.6											
continued						F/186.6	188.75	NR	200.75	220.05	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-01											
Fault 84.25-84.35											
continued	119.4	120.55	127.25	128.45	131.05	135.1					
Fault 152.85-153.0											
continued					163.9	167.4	169.6				
Fault 173.5-173.6											
continued						174.2	176.85	NR	196	243.65	
Fault 243.8-244.25											
continued										251.6	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-02			31.5	34	38.85						
Fault 51.4-51.55											
continued			55.4	57.3	59.95						
Fault 67.45-67.55											
continued				82.3	83.9						
Fault 86.35-86.5											
continued				89.35	92.3	97					
Fault 98.9-99.05											
continued						101.45	108.05	NR	123.2	140.85	
Fault 143.2-143.3											
continued										147.35	
Fault 147.8-148.0											
continued										149.05	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-03											
Fault 28.6-28.8											
continued											
Fault 42.8-42.9											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-04										11	NR
Fault 41.65-41.75											
continued											
Fault 74.6-74.8											

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (continued)**

continued											
Fault 92.9-93.1											
continued											
Fault 116.25-116.4											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-05	18.3	18.55	NR	NR	NR						
Fault 26.5-26.7											
continued						32.9					
Fault 40.05-40.25											
continued	51.55	52	NR	NR	62.15	71.25					
Fault 72.1-72.2											
continued									F/72.2	80.55	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-06											
Fault 24.35-24.5											
continued											
Fault 33.0-33.15											
continued	54.75	55.8	NR	62.9	64.85						
Fault 71.4-71.5											
continued	90.65	91	NR	NR	96.7	102.8	103.9	NR	NP	111.5	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-07											
Fault 103.75-104.1											
continued											
Fault 125.7-125.8											
continued											
Fault 143.3-143.5											
continued											
Fault 144.8-145.1											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-08											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-09											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-10											
Fault 19.5-19.65											
continued											
Fault 29.75-29.9											

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (continued)**

continued											
Fault 74.25-74.6											
continued										82.6	NR
Fault 102-2-102.3											
continued										103	NR
Fault 136.6-136.75											
continued											
Fault 154.8-155.0											
continued											
Fault 202-75-202.85											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-11											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-12	90.15	92.15	93.6	94.6	95.65	100.65	119	NR	NP	138.3	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-13				20.1	22/65	24	43.55	NR	NR	61.2	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-14	31.3	32.4	33.05	35.7	39.8	48.95	55.6	NR	68.2		
Fault 72.5-72.6											
continued									F/72.6	78.3	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-15											
Fault 27.3-27.6											
continued											
Fault 31.4-31.6											
continued											
Fault 90.2-90.3											
continued											
Fault 102.7-102.9											
continued										114.2	NR
Fault 138.05-138.15											
continued										140.65	NR
Fault 203.9-204.15											
continued											
Fault 215.8-216.05											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-16											
Fault 10.6-10.85											
continued	91.9	93.1	111.7	112.7	114.8	120.1					

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (continued)**

Fault 121.05-121.15											
continued						132	133.85	134.7			
Fault 136.9-137.1											
continued							137.1	139.85	154.6	202.8	205
Fault 211.65-211.85											
continued											
Fault 219.7-219.8											
continued										222.35	
Fault 224.1-224.2											
continued										224.45	NR
Fault 296.0-296.1											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-17											
Fault 37.1-37.3											
continued											
Fault 90.8-90.95											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-18	45.15	46.8	NR	NR	NR	65.4	NR	NR	NR	102	NR
Fault 172.05-172.25											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-19	43.2	44.15	47.5	47.9	51.3	54					
Fault 57.2-57.3											
continued					59.85	62	63.05	NR	67	84.6	NR
Fault 119.2-119.3											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-20	52.6	53.1	NR	NR	NR	67.1					
Fault 67.5-67.95											
continued						74.5					
Fault 76.4-76.8											
continued						78.65	81.55				
Fault 83.85-84.0											
continued						F/84.0	86.4	87.85	NR	105.85	NR
Fault 159.9-160.3											
continued											
Fault 163.35-163.5											
continued											

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (continued)**

Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-21					31.7	41.1	47.1	50.1	NR	60.5	NR
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-22											
Fault 47.65-47.75											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-23											
Faults 41.3-48.9											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-24			8.5	12.4	13.4	16.3	NR	NR	47.15	71.5	
Fault 72.25-72.35											
continued										76.25	NR
Fault 88.9-89.0											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-25			16.35	NR	NR	24.35	NR	NR	42.6	72.6	73.2
Faults 73.35-75.15											
continued										78.2	79.4
Fault 196.9-197.0											
continued											
Fault 212.3-212.7											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-26			9.1	NR	NR	17	NR	NR	37.7	53.85	NR
Fault 58.8-58.9											
continued			66.2	NR	NR	66.95	NP	NP	67.55	73.4	74.75
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-27									14.6	38.05	40.2
Fault 44.9-45.0											
continued			50.95	NR	NR	52	NP	NP	52.8	62.5	64.1
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-28									29.2	53.85	55.05
Fault 62.4-62.6											
continued			65.4	NR	NR	67.1	NP	NP	68	82.65	84.3
Fault 109.75-110.0											
continued											
Fault 131.0-131.3											
continued											

Depth to roof of coals MD to MCB at Brule and Dillon: **Table 4-4 (concluded)**

Fault 140.85-141.0											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-29											
Fault 85.0-85.2											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-30											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-31											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-32									22.3	44.8	45.4
Fault 46.0-46.1											
continued										50.85	52.4
Fault 79.55-79.7											
continued											
Fault 140.9-141.1											
continued											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-33	32	32.3	36.45	NR	NR						
Fault 40.9-41.1											
continued			41.2	NR	NR	46.9	NP	NP	50.65	53.1	65.45
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-34			26.1	NR	NR	27.3	NP	NP	29.25	51.6	
Fault 52.85-52.95											
continued										59.25	61.15
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-35											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-36											
Borehole	MD-rf	MD-fl	MDH-rf	MDJ-rf	MDK-rf	MDL-rf	MDM-rf	MDN-rf	MCD-rf	MC-rf	MCB-rf
BR21RC-37											
Fault 34.0-34.2											
continued	40.4	40.6	50.3	NR	NR	51.8	NR	NR	65	69.3	71.2
Fault 119.4-119.45											
continued											
Fault 122.55-122.7											
continued											

Source file: Tops-worksheet-Blind_220521f.xls Abbreviations in this table: -rf = roof; -fl = floor; F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5**

Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR20RC-01									
Fault 93.45-93.6									
continued									
Fault 104.0-104.1									
continued									
Fault 111.0-111.5									
continued									
Fault 191.5-191.6									
continued									
Fault 195.0-195.1									
continued				232	233.8	233.95	235.5/F		
Fault 235.5-235.75									
continued								251.3	251.6
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR20RC-02									
Fault 16.1-16.2									
continued									
Fault 111.7-111.8									
continued									
Fault 129.9-130.0									
continued									
Fault 153.9-154.0									
continued									
Fault 186.15-186.6									
continued	NR	NR	NR	253.3	254.05	255.05	256.25	DNR	DNR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-01									
Fault 84.25-84.35									
continued									
Fault 152.85-153.0									
continued									
Fault 173.5-173.6									
continued									
Fault 243.8-244.25									
continued	NR	NR	NR	274.05	274.7	275.8	276.7	296.8	297.1
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-02									
Fault 51.4-51.55									
continued									
Fault 67.45-67.55									
continued									
Fault 86.35-86.5									
continued									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (continued)**

Fault 98.9-99.05									
continued									
Fault 143.2-143.3									
continued									
Fault 147.8-148.0									
continued	NR	NR	NR	188.9	189.05	199.05	199.6	241.85	242.15
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-03									
Fault 28.6-28.8									
continued									
Fault 42.8-42.9									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-04	NR	NR	NR	29.9	30.1	31.85	32.2	36.25	36.5
Fault 41.65-41.75									
continued									
Fault 74.6-74.8									
continued									
Fault 92.9-93.1									
continued									
Fault 116.25-116.4									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-05									
Fault 26.5-26.7									
continued									
Fault 40.05-40.25									
continued									
Fault 72.1-72.2									
continued	NR	NR	NR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-06									
Fault 24.35-24.5									
continued									
Fault 33.0-33.15									
continued									
Fault 71.4-71.5									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-07				12.6	13.75	27.3	28.25	56.25	56.6
Fault 103.75-104.1									
continued									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (continued)**

Fault 125.7-125.8									
continued									
Fault 143.3-143.5									
continued									
Fault 144.8-145.1									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-08									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-09									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-10									
Fault 19.5-19.65									
continued									
Fault 29.75-29.9									
continued									
Fault 74.25-74.6									
continued	NR	92.3	93.8						
Fault 102-2-102.3									
continued	NR	115.8	118.15	126.4	126.5	128.6	128.9		
Fault 136.6-136.75									
continued								151.9	152.1
Fault 154.8-155.0									
continued									
Flt 202-75-202.85									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-11									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-12	143.85	NP	NP	157.3	158.1	158.1	158.85	NR	NR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-13	74.2	91.2	NR	108.8	111.8	111.8	114.55	DNR	DNR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-14									
Fault 72.5-72.6									
continued	86.85	97.6	NR	107.55	109.1	109.1	110.5	NR	NR
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-15									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (continued)**

Fault 27.3-27.6									
continued									
Fault 31.4-31.6									
continued									
Fault 90.2-90.3									
continued									
Fault 102.7-102.9									
continued	NR	128.7	129.55						
Flt 138.05-138.15									
continued	NR	149.8	150.6	166.1	166.45	178	178.25	198.45	199.2
Fault 203.9-204.15									
continued									
Fault 215.8-216.05									
continued								220.8	221.15
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-16									
Fault 10.6-10.85									
continued									
Flt 121.05-121.15									
continued									
Fault 136.9-137.1									
continued	NR	208.5							
Flt 211.65-211.85									
continued		F/211.85							
Fault 219.7-219.8									
continued									
Fault 224.1-224.2									
continued	NR	231.3	NR	257.6	258.3	264.3	264.7	284.5	284.9
Fault 296.0-296.1									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-17									
Fault 37.1-37.3									
continued									
Fault 90.8-90.95									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-18	NR	NR	NR	134.1	134.4	144.5	145	170.65	171.25
Flt 172.05-172.25									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (continued)**

continued								172.9	173.4
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-19									
Fault 57.2-57.3									
continued	86.95	93.05	NR	109.6	110.15	112.5	113.35		
Fault 119.2-119.3									
continued								F/119.3	119.65
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-20									
Fault 67.5-67.95									
continued									
Fault 76.4-76.8									
continued									
Fault 83.85-84.0									
continued	NR	NR	NR	127.35	127.9	135.2	135.75	156.45	156.75
Fault 159.9-160.3									
continued									
Fault 163.35-163.5									
continued								174.2	174.45
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-21	73.45	74.8	76.7	116.85	118.7	118.7	120.05	133.05	133.15
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-22				26.85	29	29	32		
Fault 47.65-47.75									
continued								NP	NP
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-23									
Faults 41.3-48.9									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-24									
Fault 72.25-72.35									
continued	81.5	88.2							
Fault 88.9-89.0									
continued			111.6	118.3	119.85	119.85	121	122.2	122.65
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-25									
Faults 73.35-75.15									
continued	83.5	90.15	108.85	114.5	115.85	115.85	117.2	118.15	118.7
Fault 196.9-197.0									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (continued)**

continued									
Fault 212.3-212.7									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-26	58.05								
Fault 58.8-58.9									
continued	79.05	85.3	100.4	105.35	106.8	106.8	108.1	109.15	109.6
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-27	43								
Fault 44.9-45.0									
continued	66.6	71.5	96.9	102.5	104	104	105.55	106.75	107.3
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-28	58	61							
Fault 62.4-62.6									
continued	87.35	92.15	107.6						
Fault 109.75-110.0									
continued			110	112.1	113.6	113.6	115	116.4	116.7
Fault 131.0-131.3									
continued								132.7	133.4
Fault 140.85-141.0									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-29									
Fault 85.0-85.2									
continued									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-30									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-31									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-32									
Fault 46.0-46.1									
continued	58.6	66.95							
Fault 79.55-79.7									
continued	F/79.7	88.2	100.4	110.9	112.45	112.45	113.6	115.25	116.6
Fault 140.9-141.1									
continued									

Depth to roof of coals MCL to MM at Brule and Dillon: **Table 4-5 (concluded)**

Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-33									
Fault 40.9-41.1									
continued	NP	NP	117	120.2	122.05	122.5	123.45	128.8	129.3
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-34									
Fault 52.85-52.95									
continued	67.85	75.2	94.7	99.5	101.8	101.8	104.75	107.55	108.2
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-35									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-36									
Borehole	MCL-rf	MCM-rf	MCN-rf	CBA-rf	CBA-fl	CBB-rf	CBB-fl	MM-rf	MM-fl
BR21RC-37									
Fault 34.0-34.2									
continued	83.15	94	111.15	116.2	117.7	117.7	119.4/F		
Fault 119.4-119.45									
continued				F/119.45	120.8	121.1	122.55/F		
Fault 122.55-122.7									
continued						123.6	125.45	127.45	128.2

Source file: Tops-worksheet-Blind_220521f.xls Abbreviations in this table: -rf = roof; -fl = floor; F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6**

Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR20RC-01										
Fault 93.45-93.6										
continued										
Fault 104.0-104.1										
continued										
Fault 111.0-111.5										
continued										
Fault 191.5-191.6										
continued										
Fault 195.0-195.1										
continued										
Fault 235.5-235.75										
continued	251.6	254.8	254.8	259.3	260.25	DNR	DNR	DNR	DNR	DNR

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (continued)**

Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR20RC-02										
Fault 16.1-16.2										
continued										
Fault 111.7-111.8										
continued										
Fault 129.9-130.0										
continued										
Fault 153.9-154.0										
continued										
Fault 186.15-186.6										
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-01										
Fault 84.25-84.35										
continued										
Fault 152.85-153.0										
continued										
Fault 173.5-173.6										
continued										
Fault 243.8-244.25										
continued	298	300.85	300.85	304.9	306.6	310.5	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-02										
Fault 51.4-51.55										
continued										
Fault 67.45-67.55										
continued										
Fault 86.35-86.5										
continued										
Fault 98.9-99.05										
continued										
Fault 143.2-143.3										
continued										
Fault 147.8-148.0										
continued	242.8	245.65	245.65	248.55	250.45	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-03	13.7	15.05	22	4	25.35	27.55				
Fault 28.6-28.8										
continued						NR				
Fault 42.8-42.9										
continued						45.7	131.4	133	133	133.95

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (continued)**

Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-04	36.5	38	38	40.1	41.55					
Fault 41.65-41.75										
continued					F/41.75	48.7				
Fault 74.6-74.8										
continued						F/74.8				
Fault 92.9-93.1										
continued						96.15				
Fault 116.25-116.4										
continued						120.4	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-05										
Fault 26.5-26.7										
continued										
Fault 40.05-40.25										
continued										
Fault 72.1-72.2										
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-06										
Fault 24.35-24.5										
continued										
Fault 33.0-33.15										
continued										
Fault 71.4-71.5										
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-07	56.6	59.25	87.55	89.3	101.6					
Fault 103.75-104.1										
continued					104.45					
Fault 125.7-125.8										
continued	142.9	143.3/F								
Fault 143.3-143.5										
continued	F/143.5	144.35								
Fault 144.8-145.1										
continued	F/145.1	145.6	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-08					7.7	14.5	65.5	67.4	NR	NR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-09										

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (continued)**

Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-10							NR			
Fault 19.5-19.65										
continued							NR			
Fault 29.75-29.9										
continued							31.65	33.2	NR	NR
Fault 74.25-74.6										
continued										
Fault 102-2-102.3										
continued										
Fault 136.6-136.75										
continued	152.1	153.2	153.2	154.8/F						
Fault 154.8-155.0										
continued			F/155	155.3	160.05	166.3				
Flt. 202.75-202.85										
continued							242.95	243.95	NR	NR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-11							12.7	14.45	NR	NR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-12	167.65	169.55	169.8	171.25	173.5	183	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-13	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-14										
Fault 72.5-72.6										
continued	120.05	123.1	123.1	125.9	126.85	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-15										
Fault 27.3-27.6										
continued										
Fault 31.4-31.6										
continued							32.55	35.45	NR	NR
Fault 90.2-90.3										
continued										
Fault 102.7-102.9										
continued										
Flt 138.05-138.15										
continued	199.5	201.25	201.6	203.6						
Fault 203.9-204.15										
continued			F/204.15	205.1	207.35					
Fault 215.8-216.05										
continued	221.15	223.25	223.25	225.45	232.9	243.95	DNR	DNR	DNR	DNR

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (continued)**

Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-16										
Fault 10.6-10.85										
continued										
Flt 121.05-121.15										
continued										
Fault 136.9-137.1										
continued										
Flt 211.65-211.85										
continued										
Fault 219.7-219.8										
continued										
Fault 224.1-224.2										
continued	287.6	289.85	289.85							
Fault 296.0-296.1										
continued			F/296.1	299.05	300.9	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-17						18.3				
Fault 37.1-37.3										
continued									NR	NR
Fault 90.8-90.95										
continued							96.9	98.1	98.6	99.1
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-18										
Flt. 172.05-172.25										
continued	175.1	177.5	177.5	180.9	191.2	199.2	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-19										
Fault 57.2-57.3										
continued										
Fault 119.2-119.3										
continued	121.4	122.7	122.7	124.85	126.3	137.7	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-20										
Fault 67.5-67.95										
continued										
Fault 76.4-76.8										
continued										
Fault 83.85-84.0										
continued	157.65	159	159	159.65						
Fault 159.9-160.3										
continued	161.9	162.75	162.75	163.35/F						

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (continued)**

Fault 163.35-163.5										
continued	177.1	179.75	179.75	182.45	184.3	194.85	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-21	133.7	138	138	142.05	142.9	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-22										
Fault 47.65-47.75										
continued	59.85	65.35	65.35	71.15	72.45	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-23						29.7				
Faults 41.3-48.9										
continued							98.1	99.95	99.95	101.4
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-24										
Fault 72.25-72.35										
continued										
Fault 88.9-89.0										
continued	123	125	125	128.4	129.8	141.85	197.05	198.3	198.8	199.5
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-25										
Faults 73.35-75.15										
continued	119.15	121.7	121.7	124.3	126.95	137.8	190.95	192.5	193	194
Fault 196.9-197.0										
continued										
Fault 212.3-212.7										
continued										
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-26										
Fault 58.8-58.9										
continued	110.1	113.25	113.25	116.2	118.95	131.1	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-27										
Fault 44.9-45.0										
continued	107.7	110.45	110.45	113.8	115.7	127.5	199.6	201.3	201.95	202.7
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-28										
Fault 62.4-62.6										
continued										
Fault 109.75-110.0										

Depth to roof of coals CCA to MAB at Brule and Dillon: **Table 4-6 (concluded)**

continued	117.2	122.6	122.6	130.9						
Fault 131.0-131.3										
continued	134	137	137	140.85						
Fault 140.85-141.0										
continued			f/141.0	142.45	144.3	158.65	218.8	220.35	220.8	222.15
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-29							84.05	84.6		
Fault 85.0-85.2										
continued							F/85.2	86.2	86.55	87.25
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-30										
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-31							11	12.8	12.9	13.4
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-32										
Fault 46.0-46.1										
continued										
Fault 79.55-79.7										
continued	116.6	119.25	119.25	122.35	124.65	138				
Fault 140.9-141.1										
continued						F/141.1	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-33										
Fault 40.9-41.1										
continued	129.85	130.2	NP	NP	134.2	DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-34										
Fault 52.85-52.95										
continued	108.2	111.45	111.45	118.2	119.85	139.55	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-35						DNR	DNR	DNR	DNR	DNR
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-36						27.6	107	109.4	109.8	111
Borehole	CCA-rf	CCA-fl	CCB-rf	CCB-fl	MB-rf	MAA-rf	MA-rf	MA-fl	MAB-rf	MAB-fl
BR21RC-37										
Fault 34.0-34.2										
continued										
Fault 119.4-119.45										
continued										
Fault 122.55-122.7										
continued	128.75	131.45	131.45	135.85	139.4	156	DNR	DNR	DNR	DNR

Source file: Tops-worksheet-Blind_220521f.xls Abbreviations in this table: -rf = roof; -fl = floor; F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7**

Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR20RC-01									
Fault 93.45-93.6									
continued									
Fault 104.0-104.1									
continued									
Fault 111.0-111.5									
continued									
Fault 191.5-191.6									
continued									
Fault 195.0-195.1									
continued									
Fault 235.5-235.75									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR20RC-02									
Fault 16.1-16.2									
continued									
Fault 111.7-111.8									
continued									
Fault 129.9-130.0									
continued									
Fault 153.9-154.0									
continued									
Fault 186.15-186.6									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-01									
Fault 84.25-84.35									
continued									
Fault 152.85-153.0									
continued									
Fault 173.5-173.6									
continued									
Fault 243.8-244.25									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-02									
Fault 51.4-51.55									
continued									
Fault 67.45-67.55									
continued									
Fault 86.35-86.5									
continued									

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (continued)**

Fault 98.9-99.05									
continued									
Fault 143.2-143.3									
continued									
Fault 147.8-148.0									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-03									
Fault 28.6-28.8									
continued									
Fault 42.8-42.9									
continued	NR	NR	NR	NR	NR	NR	NR	NR	256.45
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-04									
Fault 41.65-41.75									
continued									
Fault 74.6-74.8									
continued									
Fault 92.9-93.1									
continued									
Fault 116.25-116.4									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-05									
Fault 26.5-26.7									
continued									
Fault 40.05-40.25									
continued									
Fault 72.1-72.2									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-06									
Fault 24.35-24.5									
continued									
Fault 33.0-33.15									
continued									
Fault 71.4-71.5									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-07									
Fault 103.75-104.1									
continued									

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (continued)**

Fault 125.7-125.8									
continued									
Fault 143.3-143.5									
continued									
Fault 144.8-145.1									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-08	NR	NR	76.3	101.95	106.6	NR	NR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-09			20.5	23.05	65.95	NR	NR	NR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-10									
Fault 19.5-19.65									
continued									
Fault 29.75-29.9									
continued	NR	NR	37.7	54.2	73.85				
Fault 74.25-74.6									
continued									
Fault 102-2-102.3									
continued									
Fault 136.6-136.75									
continued									
Fault 154.8-155.0									
continued									
Fault 202-75-202.85									
continued	NR	NR	249.3	260	265.35	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-11	NR	NR	21.85	25.2	NR	NR	NR	NR	102
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-12	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-13	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-14									
Fault 72.5-72.6									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-15	NR	NR							
Fault 27.3-27.6									

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (continued)**

continued	NR	NR							
Fault 31.4-31.6									
continued	NR	38.25	45.5	73.75					
Fault 90.2-90.3									
continued					101.7				
Fault 102.7-102.9									
continued									
Fault 138.05-138.15									
continued									
Fault 203.9-204.15									
continued									
Fault 215.8-216.05									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-16									
Fault 10.6-10.85									
continued									
Fault 121.05-121.15									
continued									
Fault 136.9-137.1									
continued									
Fault 211.65-211.85									
continued									
Fault 219.7-219.8									
continued									
Fault 224.1-224.2									
continued									
Fault 296.0-296.1									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-17									
Fault 37.1-37.3									
continued									
Fault 90.8-90.95									
continued	105.2	106	NR	112.9	116.2	NR	114.85	161.6	208.65
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-18									
Fault 172.05-172.25									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-19									
Fault 57.2-57.3									

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (continued)**

continued									
Fault 119.2-119.3									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-20									
Fault 67.5-67.95									
continued									
Fault 76.4-76.8									
continued									
Fault 83.85-84.0									
continued									
Fault 159.9-160.3									
continued									
Fault 163.35-163.5									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-21	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-22									
Fault 47.65-47.75									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-23									
Faults 41.3-48.9									
continued	106.8	107.5	110.7	111.1	114.5	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-24									
Fault 72.25-72.35									
continued									
Fault 88.9-89.0									
continued	201.6	202.3	NR	207.95	NR	232.1	244.8	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-25									
Faults 73.35-75.15									
continued	196	196.6							
Fault 196.9-197.0									
continued	199.15	199.7							
Fault 212.3-212.7									
continued			DNR?	DNR?	DNR?	DNR	DNR	DNR	DNR

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (continued)**

Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-26									
Fault 58.8-58.9									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-27									
Fault 44.9-45.0									
continued	205.05	208.95	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-28									
Fault 62.4-62.6									
continued									
Fault 109.75-110.0									
continued									
Fault 131.0-131.3									
continued									
Fault 140.85-141.0									
continued	225	229.8	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-29									
Fault 85.0-85.2									
continued	93.15	94.5	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-30						21.05	30.95	53	103.5
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-31	18.55	19.5	NR	24.5	27.1	39.2	46.2	59.9	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-32									
Fault 46.0-46.1									
continued									
Fault 79.55-79.7									
continued									
Fault 140.9-141.1									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-33									
Fault 40.9-41.1									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

Depth to roof of coal MAG to top of Basal sand at Brule and Dillon: **Table 4-7 (concluded)**

Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-34									
Fault 52.85-52.95									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-35	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-36	114.3	118.7	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Borehole	MAG-rf	MAH-rf	MAL-rf	MAP-rf	MAR-rf	MAS-rf	MAT-rf	MAV-rf	Basal sand
BR21RC-37									
Fault 34.0-34.2									
continued									
Fault 119.4-119.45									
continued									
Fault 122.55-122.7									
continued	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

Source file: Tops-worksheet-Blind_220521f.xls Abbreviations in this table: -rf = roof; -fl = floor;
F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8**

Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR20RC-01						BR20RC-01
Fault 93.45-93.6						Fault 93.45-93.6
continued						continued
Fault 104.0-104.1						Fault 104.0-104.1
continued						continued
Fault 111.0-111.5						Fault 111.0-111.5
continued						continued
Fault 191.5-191.6						Fault 191.5-191.6
continued						continued
Fault 195.0-195.1						Fault 195.0-195.1
continued						continued
Fault 235.5-235.75						Fault 235.5-235.75
continued	DNR	DNR	DNR	DNR	268.95	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR20RC-02						BR20RC-02
Fault 16.1-16.2						Fault 16.1-16.2
continued						continued
Fault 111.7-111.8						Fault 111.7-111.8
continued						continued
Fault 129.9-130.0						Fault 129.9-130.0
continued						continued

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (continued)**

Fault 153.9-154.0						Fault 153.9-154.0
continued						continued
Fault 186.15-186.6						Fault 186.15-186.6
continued	DNR	DNR	DNR	DNR	269	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-01						BR21RC-01
Fault 84.25-84.35						Fault 84.25-84.35
continued						continued
Fault 152.85-153.0						Fault 152.85-153.0
continued						continued
Fault 173.5-173.6						Fault 173.5-173.6
continued						continued
Fault 243.8-244.25						Fault 243.8-244.25
continued	DNR	DNR	DNR	DNR	311.6	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-02						BR21RC-02
Fault 51.4-51.55						Fault 51.4-51.55
continued						continued
Fault 67.45-67.55						Fault 67.45-67.55
continued						continued
Fault 86.35-86.5						Fault 86.35-86.5
continued						continued
Fault 98.9-99.05						Fault 98.9-99.05
continued						continued
Fault 143.2-143.3						Fault 143.2-143.3
continued						continued
Fault 147.8-148.0						Fault 147.8-148.0
continued	DNR	DNR	DNR	DNR	256.52	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-03						BR21RC-03
Fault 28.6-28.8						Fault 28.6-28.8
continued						continued
Fault 42.8-42.9						Fault 42.8-42.9
continued	NR	NR	290.35	DNR	295.91	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-04						BR21RC-04
Fault 41.65-41.75						Fault 41.65-41.75
continued						continued
Fault 74.6-74.8						Fault 74.6-74.8
continued						continued
Fault 92.9-93.1						Fault 92.9-93.1
continued						continued
Fault 116.25-116.4						Fault 116.25-116.4

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (continued)**

continued	DNR	DNR	DNR	DNR	159.35	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-05						BR21RC-05
Fault 26.5-26.7						Fault 26.5-26.7
continued						continued
Fault 40.05-40.25						Fault 40.05-40.25
continued						continued
Fault 72.1-72.2						Fault 72.1-72.2
continued	DNR	DNR	DNR	DNR	122.4	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-06						BR21RC-06
Fault 24.35-24.5						Fault 24.35-24.5
continued						continued
Fault 33.0-33.15						Fault 33.0-33.15
continued						continued
Fault 71.4-71.5						Fault 71.4-71.5
continued	DNR	DNR	DNR	DNR	121.85	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-07						BR21RC-07
Fault 103.75-104.1						Fault 103.75-104.1
continued						continued
Fault 125.7-125.8						Fault 125.7-125.8
continued						continued
Fault 143.3-143.5						Fault 143.3-143.5
continued						continued
Fault 144.8-145.1						Fault 144.8-145.1
continued	DNR	DNR	DNR	DNR	146	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-08	DNR	DNR	DNR	DNR	141.3	BR21RC-08
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-09	DNR	DNR	DNR	DNR	141.2	BR21RC-09
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-10						BR21RC-10
Fault 19.5-19.65						Fault 19.5-19.65
continued						continued
Fault 29.75-29.9						Fault 29.75-29.9
continued						continued
Fault 74.25-74.6						Fault 74.25-74.6
continued						continued
Fault 102-2-102.3						Fault 102-2-102.3
continued						continued

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (continued)**

Fault 136.6-136.75						Fault 136.6-136.75
continued						continued
Fault 154.8-155.0						Fault 154.8-155.0
continued						continued
Fault 202-75-202.85						Flt 202-75-202.85
continued	DNR	DNR	DNR	DNR	266.44	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-11	NR	NR	128.1	136.2	146	BR21RC-11
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-12	DNR	DNR	DNR	DNR	183.65	BR21RC-12
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-13	DNR	DNR	DNR	DNR	122.78	BR21RC-13
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-14						BR21RC-14
Fault 72.5-72.6						Fault 72.5-72.6
continued	DNR	DNR	DNR	DNR	134.87	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-15						BR21RC-15
Fault 27.3-27.6						Fault 27.3-27.6
continued						continued
Fault 31.4-31.6						Fault 31.4-31.6
continued						continued
Fault 90.2-90.3						Fault 90.2-90.3
continued						continued
Fault 102.7-102.9						Fault 102.7-102.9
continued						continued
Fault 138.05-138.15						Fault 138.05-138.15
continued						continued
Fault 203.9-204.15						Fault 203.9-204.15
continued						continued
Fault 215.8-216.05						Fault 215.8-216.05
continued	DNR	DNR	DNR	DNR	255	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-16						BR21RC-16
Fault 10.6-10.85						Fault 10.6-10.85
continued						continued
Fault 121.05-121.15						Fault 121.05-121.15
continued						continued
Fault 136.9-137.1						Fault 136.9-137.1
continued						continued
Fault 211.65-211.85						Fault 211.65-211.85

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (continued)**

continued						continued
Fault 219.7-219.8						Fault 219.7-219.8
continued						continued
Fault 224.1-224.2						Fault 224.1-224.2
continued						continued
Fault 296.0-296.1						Fault 296.0-296.1
continued	DNR	DNR	DNR	DNR	307.62	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-17						BR21RC-17
Fault 37.1-37.3						Fault 37.1-37.3
continued						continued
Fault 90.8-90.95						Fault 90.8-90.95
continued	213.3	215.7	232.85	239.7	243.14	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-18						BR21RC-18
Fault 172.05-172.25						Fault 172.05-172.25
continued	DNR	DNR	DNR	DNR	254.8	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-19						BR21RC-19
Fault 57.2-57.3						Fault 57.2-57.3
continued						continued
Fault 119.2-119.3						Fault 119.2-119.3
continued	DNR	DNR	DNR	DNR	171.12	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-20						BR21RC-20
Fault 67.5-67.95						Fault 67.5-67.95
continued						continued
Fault 76.4-76.8						Fault 76.4-76.8
continued						continued
Fault 83.85-84.0						Fault 83.85-84.0
continued						continued
Fault 159.9-160.3						Fault 159.9-160.3
continued						continued
Fault 163.35-163.5						Fault 163.35-163.5
continued	DNR	DNR	DNR	DNR	195.56	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-21	DNR	DNR	DNR	DNR	152.72	BR21RC-21
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-22						BR21RC-22
Fault 47.65-47.75						Fault 47.65-47.75

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (continued)**

continued	DNR	DNR	DNR	DNR	80.1	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-23						BR21RC-23
Faults 41.3-48.9						Faults 41.3-48.9
continued	DNR	DNR	DNR	DNR	128.9	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-24						BR21RC-24
Fault 72.25-72.35						Fault 72.25-72.35
continued						continued
Fault 88.9-89.0						Fault 88.9-89.0
continued	DNR	DNR	DNR	DNR	248.62	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-25						BR21RC-25
Faults 73.35-75.15						Faults 73.35-75.15
continued						continued
Fault 196.9-197.0						Fault 196.9-197.0
continued						continued
Fault 212.3-212.7						Fault 212.3-212.7
continued	DNR	DNR	DNR	DNR	213.91	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-26						BR21RC-26
Fault 58.8-58.9						Fault 58.8-58.9
continued	DNR	DNR	DNR	DNR	165.06	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-27						BR21RC-27
Fault 44.9-45.0						Fault 44.9-45.0
continued	DNR	DNR	DNR	DNR	219.93	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-28						BR21RC-28
Fault 62.4-62.6						Fault 62.4-62.6
continued						continued
Fault 109.75-110.0						Fault 109.75-110.0
continued						continued
Fault 131.0-131.3						Fault 131.0-131.3
continued						continued
Fault 140.85-141.0						Fault 140.85-141.0
continued	DNR	DNR	DNR	DNR	232	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-29						BR21RC-29
Fault 85.0-85.2						Fault 85.0-85.2

Depth to roof of coal MAX to top of Minnes Group at Brule and Dillon: **Table 4-8 (concluded)**

continued	DNR	DNR	DNR	DNR	104.39	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-30	114.15	116.3	DNR	DNR	129	BR21RC-30
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-31	DNR	DNR	DNR	DNR	95	BR21RC-31
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-32						BR21RC-32
Fault 46.0-46.1						Fault 46.0-46.1
continued						continued
Fault 79.55-79.7						Fault 79.55-79.7
continued						continued
Fault 140.9-141.1						Fault 140.9-141.1
continued	DNR	DNR	DNR	DNR	153	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-33						BR21RC-33
Fault 40.9-41.1						Fault 40.9-41.1
continued	DNR	DNR	DNR	DNR	159	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-34						BR21RC-34
Fault 52.85-52.95						Fault 52.85-52.95
continued	DNR	DNR	DNR	DNR	153.35	continued
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-35	DNR	DNR	DNR	DNR	DNR	BR21RC-35
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-36	DNR	DNR	DNR	DNR	141	BR21RC-36
Borehole	MAX-rf	MAY-rf	Cadomin	Minnes	Total depth	Borehole
BR21RC-37						BR21RC-37
Fault 34.0-34.2						Fault 34.0-34.2
continued						continued
Fault 119.4-119.45						Fault 119.4-119.45
continued						continued
Fault 122.55-122.7						Fault 122.55-122.7
continued	DNR	DNR	DNR	DNR	177.8	continued

Source file: Tops-worksheet-Blind_220521f.xls Abbreviations in this table: -rf = roof; -fl = floor; F/ = faulted top; /F = faulted base; NP = not present; NR = not recognised; DNR = not reached

4.4.1 Details of the coal-measures at Brule

The upper contact of the Gaylard coal-measures, with the younger Green Marker or the Bullmoose Member (of the Moosebar Formation) has not been encountered by drilling at Brule, nor at Dillon. The brown-weathering strata at the crest of Brule Mine's southwestern highwall

may conceivably be the Bullmoose, but this has not yet been checked by geological traversing. No boreholes intersect these strata.

The basal contact of the Gaylard coal-measures, with the older Cadomin Formation, has now been intersected by three exploratory boreholes (BR21RC-03, -11, and -17) at Brule.

Boundaries of certain of the Gaylard's divisions have changed slightly from those given in previous Conuma reports. These changes are based upon results of geological mapping and exploratory drilling.

- The base of Division 3 (map-unit 3a3) is now drawn at the base of the Marker B coal zone, in recognition that the Marker B may locally coalesce with the closely-overlying Conuma CA coal bed.
- The base of Division 2 (map-unit 3a2) is now drawn at the top of the Basal Sand unit, rather than at the base of the Marker A coal zone. This change is due to the new recognition of many thin marker coals beneath the Marker A zone

Owing to scarcity of outcrop exposure, Divisions 2 and 1 are generally mapped as a composite map-unit, designated as 3a12.

4.4.2 Possible lacustrine beds (Marker CD) within Division 4

The Gaylard coal-measures are punctuated by bands of patchily-bioturbated lacustrine (less-likely: shallow-marine) rocks. The thickest and most readily-recognised of these bands at Brule comprises 2 to 9 metres of interbedded, mudstone and siltstone with minor very thin bands of sandstone and tuff, designated as ‘Marker CD,’ within Division 4 of the Gaylard Member. Marker CD is of practical concern as having potential for generation (PAG) of acid rock. Marker CD can be readily recognised by its elevated natural gamma-radiation response on geophysical logs.

4.4.3 Volcaniclastic tuff bands within the Gaylard Member

Tuff bands (colloquially termed ‘ash bands’) are occasionally observed within the working-faces of Brule Mine. These bands of pyroclastic volcanic rock appear as white to very light grey, clay-rich, soft layers, ranging from a few millimetres to a decimetre thick, within their otherwise-unremarkable bounding strata. Tuff bands also occur within drilled sections, manifesting as light-coloured clay layers a few decimeters thick, characterised by natural-gamma responses of 200 to 300 API units.

4.4.4 Lithological details of other Gaylard rocks

Dark grey siltstone is by far the predominant lithology within the Gaylard Member, characterised by variable levels of bioturbation from patchy to intense, occasionally with bands of nodular or massive (rarely mosaic-textured) ironstone, and ranging in texture from muddy to very sandy. Where they closely underlie coal beds, Gaylard Member siltstones are often rooty and somewhat carbonaceous, although immediate floors of coals generally grade upward to variably-carbonaceous mudstones.

Mudstones are generally silty, at times very much so. Nodular or banded ironstone locally occurs within mudstone units. Glauconite is rarely, but notably, present within the finer mudstones within Division 5, suggesting that such mudstones may host higher-order maximum

flooding surfaces. Coaly mudstones are characteristically present as thin (centimetre- to decimetre-scale) partings within coal beds, or as lenses immediately overlying the tops of coal beds.

Coaly mudstones are occasionally associated with elevated fusain contents in the immediately-underlying coals, suggesting that they originated as 'fire splays', infilling burnout hollows formed by penecontemporaneous peat fires. Such mudstone beds also characteristically display slightly-elevated gamma-ray geophysical log responses, allowing the lateral tracing of coalbed splits into laterally-adjacent areas of minimal parting thickness.

Sandstones range in texture from fine- to coarse-grained, rarely very coarse-grained to gritty or pebbly, and they are frequently cross-bedded. Channel-scours are characteristically found at the base of thicker sandstone units. The immediate basal portions of some channel-filling sandstones are sparsely- to moderately-bioturbated. Closely-spaced drilling demonstrates that the Gaylard sandstones vary rapidly in thickness between boreholes. Some of this variation may be due to channel-filling morphologies, whilst in other cases the tops of the sandstones may be bar-forms, draped in a variable thickness of fine-grained sedimentary rocks.

4.4.5 Gaylard-Cadomin contact relationship

The basal contact of the Gaylard Member with the underlying Cadomin Formation is abrupt to possibly-erosional at the local scale (Cant, 1996), and interfingering at regional scale (Stott, 1968; Gibson, 1992a), being drawn at the top of a coarse-grained, locally-pebbly, often-gritty bed of sandstone which may grade laterally into typical conglomerates of the Cadomin Formation.

4.5 Older rocks

In order from top down, these older formations comprise the Cadomin Formation (the basal unit within the Bullhead Group), and the Bickford, Monach, Beattie Peaks and Monteith Formations (all within the Minnes Group), ranging in age from Early Cretaceous down to Late Jurassic. These rocks remain virtually-unexplored at the local scale, other than by the few natural-gas wells which have penetrated these formations at depth.

At regional and property scale (as depicted on **Map 2-3**), all four of the constituent formations within the Minnes Group are mapped together as a single unit (map-unit 1); within **Table 4-1**, however, these formations are treated individually (as map-units 1d, 1c, 1b and 1a). In the following discussion, only the Cadomin and Bickford formations are examined in detail, as they have the closest stratigraphic and spatial association to the Gaylard coal-measures.

4.5.1 Cadomin Formation (map-unit 2)

The Cadomin Formation immediately underlies the Gething Formation, forming the basal part of the Bullhead Group (Stott, 1968). As such, the Cadomin Formation includes strata previously assigned to the Dresser Formation of the Crassier Group by Hughes (1964).

The Cadomin Formation comprises one or more thick beds of coarse-grained, gritty to pebbly sandstone and pebble-conglomerate (McLean, 1981) with occasional lenses of siltstone and pebbly gritstone, and rare thin lenses of dirty coal. The Cadomin Formation thus strongly resembles the Basal Sand unit (Division 1) of the Gaylard Member, and its distinction from the younger

Gaylard sandstones rests mainly upon the Cadomin Formation's greater lateral continuity.

At Brule, the Cadomin Formation is estimated to be 5 to 10 metres thick. Its basal contact with the underlying Bickford Formation (the youngest formation within the Minnes Group) is erosional, with considerable local scour into the older sediments. Regionally, the base of the Cadomin marks a northeastward-deepening angular contact, cutting down into successively-older rocks of the Minnes Group (Stott, 1973).

4.5.2 Bickford Formation (map-unit 1d)

The Bickford Formation is the stratigraphically-highest and therefore youngest of the four formations which comprise the Minnes Group (Stott, 1981; 1998). The Bickford was previously designated by Hughes (1964) as the Brenot Formation, being the basal part of his now-superseded Crassier Group. The stratigraphic term 'Brenot' remained in local use by some coal-industry workers until the earliest 1980s (for example, Hughes, 1980; Stott, 1981).

The Bickford Formation consists of non-marine sandstone, siltstone, mudstone and coal. Within the vicinity of the Brule lease, channel-filling conglomerates, up to 11 metres thick, occur near the top of the formation (Stott, 1998).The uppermost few metres of the formation, immediately beneath the base of the Cadomin Formation, are typically bleached and altered to a distinctively-soft, very light grey to white layer of clay-rich sediment.

Coals of potentially-mineable thickness are known to exist within the Bickford Formation elsewhere within the Brazion coalfield. However, the formation has yet to be comprehensively drilled at Brule or Dillon (other than in the aforementioned natural-gas wells), and its local coal potential is therefore unknown.

The basal contact of the Bickford Formation with the underlying Monach Formation is generally abrupt at local scale, but interfingering on a regional scale, being drawn at the top of the distinctive quartzitic sandstone beds of the Monach.

4.5.3 Monach Formation (map-unit 1c)

The Monach Formation comprises cliff-forming sandstone and quartzite, with lesser amounts of interbedded siltstone and conglomerate, and occasional thin coals, part of the Minnes Group (Stott, 1998). The coal content of the Monach Formation appears to be minimal, on a regional basis, and the formation's principal economic significance is as a marker bed in drilling and geological mapping.

4.5.4 Beattie Peaks Formation (map-unit 1b)

The Beattie Peaks Formation comprises sandstone, siltstone and shale, locally accompanied by minor ironstone and coal, originating as a regionally-extensive shallow-marine to deep-marine turbidite system (Stott, 1998). Coals of potentially-mineable thickness have been found within the Beattie Peaks Formation elsewhere within the Brazion coalfield, but have not yet been traced into the Brule / Dillon area.

4.5.5 Monteith Formation (map-unit 1a)

The Monteith Formation forms the basal unit of the Minnes Group (Stott, 1968). The Monteith comprises interbedded sandstone, shale and conglomerate, with lesser amounts of quartzite and occasional thin coals. No mineable coal is known from the Monteith Formation, within the Brazion coalfield and -- owing to its great depth at Brule and Dillon -- it is not of exploratory interest.

6 Coal quality

During the 2019-2020, 2020-2021, and 2021-2022 work terms, all drilling was done by downhole air-hammer or triconing methods. Accordingly, no cores were taken, and no exploratory coal-quality work was done.

7 Reclamation

Technical records acquired by Western Canadian Coal (WCC) from Teck, as part of the property acquisition, do not provide sufficient detail to assess past reclamation practice, although it may be presumed from the author's contemporary experience in the 1970s and 1980s, that some form of roadway decommissioning (including installation of water bars?) was followed by seeding of a then-customary 'reclamation mix'. Old access trails are now largely covered by dense growth of grasses, shrubs and juvenile trees.

All of the year-2002 through year-2010 exploratory boreholes within the Brule lease, drilled on behalf of WCC and its successor companies, lie within the permitted disturbance area outline as shown within Brule Mine's five-year mine plan. Reclamation details of year-2002 through 2010 boreholes were not found in the technical files acquired by WCCP from WCC, but are presumed to be similar to the situation observed in the pre-2002 trails and drill sites.

Year-2013, -2018 and -2019 Brule lease boreholes and hydrological test wells were drilled along existing access trails or roads, entailing ploughing of snow as required and, in some cases, blading of an approximately-flat drill pad. Minimal reclamation has been done at these sites, as access must be maintained to the hydrological testholes, and the remainder of the boreholes lie within areas scheduled for near-future mining. All of the year-2018 and year-2019 boreholes lie within Brule Mine's permitted disturbance boundary.

Year-2020 and year-2021 Brule lease boreholes were likewise drilled along existing roads and in-mine access trails. As before, these boreholes were drilled within Brule Mine's permitted disturbance boundary. Drill pads were levelled and bermed or taped-off as needed, and cuttings-retention and settlement sumps were dug. At the completion of drilling, sumps were backfilled and drill pads (where through-traffic was not an issue) were recontoured.

8 Statement of estimated costs

Estimated costs by activity and year are presented below as **Tables 8-1** and **8-2**. Unit costs are derived in **Table 8-3**. Costs are presented for the 2019-2020, 2020-2021, and 2021-2022 work terms (with only the 2021-2022 costs being reported on this report's statistical title-sheet. Costs are based upon internally-reported approximate costs for intangible items such as third-party consultants, and assumption that unit costs for drilling and geophysical logging remained constant when comparing Brule costs to previously-reported Dillon costs.

Drilling of test holes has been allocated at no charge, since the test holes were drilled by Brule Mine's blast-hole drills. Unit costs for test holes therefore only reflect the cost of geophysical logging.

No assays were performed, insofar as no coring was done during the 2019-2022 work terms.

Geophysical logging, performed by Century Wireline Services during the 2020-2021 work term, is estimated to have cost $2944 per exploratory borehole, based on 2020-2021 cost data from Dillon, and assuming similar productivity at Brule, including logging one hole per day. This daily cost is fully-loaded with tool rental costs, subsistence for the logger(s), and log-processing charges.

Geophysical logging of test holes during the 2019-2020 and 2021-2022 work terms has also been costed at the $2944 daily rate, making due allowance for the logging of more than one shallow hole per day (if available for logging), as indicated by coincident logging dates. As with exploratory boreholes, this costing is an estimate.

Cost of 2020-2021 exploratory boreholes

The majority of the 2020-2021 exploratory boreholes were drilled at Dillon, where the unit cost of drilling was estimated to be $119.87 per metre. In the absence of specific cost breakdown for Brule. the Dillon unit cost has been applied. Drilling of the two 2020-2021 boreholes at Brule (totalling 568.45 metres) therefore is estimated to have cost $68,140.10.

Chargeability of 2021-2022 exploratory boreholes

The 2021-2022 work term entailed movements of the drilling rig and supporting equipment back and forth between Brule and Dillon. Drilling was planned and costed in two phases:

- Phase 1: 15 holes, all of which were at Brule, and
- Phase 2: 22 holes, two of which (224 m) were at Brule, and Dillon having 20 (2756.23 m).

Accordingly, 9.1% of Phase 2 catwork, supervision, pre-disturbance surveys, and geophysical logging (by number of drill sites) is chargeable to Brule, and 7.5% of Phase 2 drilling (by metreage) is chargeable to Brule. **Table 8-1** reflects these chargeabilities during the 2021-2022 work term/

Chargeability of 2021-2022 geological mapping by consultant

Reconnaissance-level geological mapping of the northwestern portion of the Brule and Dillon leases was done by the author during the 2021-2022 work term, and not considered a chargeable activity insofar as it was part of her normal work. Follow-up mapping was done by consulting geologist Duane Lucas P.Geo. of Lucas Geological, at a cost of $10,550.77, covering the Brule,

Dillon, and Burnt River tenures; one-third of this expenditure ($3,516.92) is estimated to have been chargeable to the Brule lease.

Table 8-1: Estimated apportionment of 2021-2022 exploratory activities

Activity and work phase (2021-2022 programme)	Rotary drilling	Pre-disturb-ance surveys	Downhole geophysics (Century)	Catwork	Drilling programme supervision	Geological mapping and LIDAR coverage
Phase 1 (actual)	$92,000	nil	$25,000	$50,000	$28,000	$3,516.92
Phase 2 (budget)	$205,500	$4,500	$42,000	$67,800	$53,400	$35,000
Phase 2 (Brule share of costs)	(at 7.5%) $15,412.50	(at 9.1%) $409.50	(at 9.1%) $3,822	(at 9.1%) $6,169.80	(at 9.1%) $4,859.40	(at 50%) $17,500
Brule totals	$107,412.50	$409.50	$28,822	$56,169.80	$32,859.40	$21,016.92

Overall cost of year 2021-2022 drilling and supporting activities at Brule was $214,112.62. Including work done in the previous two years, as presented in **Table 8-2**, total cost of work during the 2019-2022 work terms was $377,916.82. Derivation of unit costs is presented in **Table 8-3.**

Estimated cost breakdown by activity, for Brule lease: **Table 8-2**

Year	*Boreholes / test holes*	*Number of holes*	*Metreages (m)*			*Drilling costs ($)*			*Other costs ($)*					*Totals*
			Blast-hole rig	*Air-rotary*	*Core*	*Blast-hole rig*	*Air-rotary*	*Core*	*Geophysical logging*	*Assays*	*Catwork*	*Personnel (drilling supervision and pre-disturbance surveys)*	*Geological mapping*	
2019-2020	TH 20-series	13 holes	13 holes: 390 m	n/a	n/a	nil: in-house	nil	nil	4 days: $11,776.00	nil	nil	nil	nil	$11,776.00
2020-2021	BR21RC-series	2 holes	n/a	2 holes: 568.45 m	n/a	n/a	$68,140.20	nil	2 days: $5,888.00	nil	$50,000.00	$28,000.00	nil	$152,028.20
2021-2022	BR21RC-series	18 holes	n/a	18 holes: 3380.76 m	n/a	n/a	$107,412.50	nil	$28,822.00	nil	$56,169.80	$9,359.40	$3,516.92	$205,280.62
2021-2022	TH 21-series	15 holes	15 holes: 287.79 m	n/a	n/a	nil: in-house	nil	nil	3 days: $8,832.00	nil	nil	nil	nil	$8,832.00
	Totals 2019-2022	48 holes	28 holes 677.79 m	20 holes: 3949.21 m	n/a	nil	$175,552.70	nil	$55,318.00	nil	$106,169.80	$37,359.40	$3,516.92	$377,916.82
	Totals 2021-2022	33 holes	15 holes: 287.79 m	18 holes: 3380.76 m	n/a	nil	$107,412.50	nil	$37,654.00	nil	$56,169.80	$9,359.40	$3,516.92	$214,112.62

Note: geophysical costs of test holes calculated on the basis of estimated geophysical day-rates (including subsistence, mobe/demobe, tool charges, etc.), multiplied by number of logging days. Abbreviations: 'n/a' denotes 'not applicable'. 'Year' refers to work terms with anniversary dates of May 1 of each year.

Derivation of unit costs for drilling and geophysical logging within Brule lease: **Table 8-3**

Drilling programme	Number of holes	Drilling type	Total metreage (drillers' depths)	Drilling cost	Drilling unit cost / metre	Geophysical cost	Geophysical unit cost / metre	Drilling and geo-physical cost	Drilling and geo-physical unit cost / metre
2019-2020 test holes	13 holes	blast-hole rig from Brule mine	390 metres	nil: in-house	n/a	$11,776.00	$30.19 / m	$11,776.00	$30.19 / m
2020-2021 boreholes	2 holes	air-rotary drill with downhole hammer	568.45 metres	$68,140.20	$119.87 / m	$5,888.00	$10.36 / m	$74,028.20	$130.23 / m
2021-2022 boreholes	18 holes	air-rotary drill with downhole hammer	3,380.76 metres	$107,412.50	$31.77 / m	$28,822.00	$8.53 / m	$136,234.50	$40.30 / m
2021-2022 test holes	15 holes	blast-hole rig from Brule mine	287.79 metres	nil: in-house	n/a	$8,832.00	$30.69 / m	$8.832.00	$30.69 / m
2019-2022 totals	48 holes	blast-hole and air-rotary rigs	4627 metres	$175,552.70	$37.94 / m	$55,318.00	$11.96 / m	$230,870.70	$49.90 / m
2021-2022 totals	33 holes	blast-hole and air-rotary rigs	3668.55 metres	$107,412.50	$29.28 / m	$37,654.00	$10.26 / m	$145,066.50	$39.54 / m

Notes: 'n/a' denotes 'not applicable'. Test holes were drilled by Brule Mine's blast-hole drills, and as such were not charged to exploration as the majority of the holes were drilled in-pit. Overall unit cost does not include supervision or catwork.

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10 Conclusions

During the 2019-2020, 2020-2021, and 2021-2022 work terms, Conuma Resources Limited (Conuma) undertook an in-pit development drilling programme within Brule Mine's permitted disturbance area, which occupies two contiguous coal leases, designated as Brule (the subject of this report) and Dillon. Drilling within the Brule lease has improved Conuma's practical understanding of Brule Mine's westernmost geological structure.

Current work within the Brule lease, here mainly reported for the 2021-2022 work term (with precursory work in 2019-2020 and 2020-2021 terms), comprises drilling of 20 exploratory boreholes and 28 in-pit test holes (in all three work terms), supporting the compilation of updated geological maps. This work was conducted by Conuma, as part of a broader examination of its operating and potential future mining properties within the Brazion and Sukunka-Quintette coalfields of northeastern British Columbia, Canada.

Track-mounted blast-hole rigs were put to effective use drilling test holes (up to 35 metres deep) within and adjacent to active workings of Brule Mine. These test holes were geophysically logged, allowing effective correlation and thickness measurement of coals. Estimated total cost of the work done during the 2021-2022 work term was $214,112.62. Direct cost of drilling and geophysics (without supporting activities such as supervision or catwork) was $145,066.50 for 3668.55 metres of boreholes and test holes, thus deriving a unit cost of $39.54 per metre drilled.

Deeper exploratory drilling (with air-rotary drills) within Brule lease has further confirmed the northwesterly opening of a split within the Conuma 'B' coal zone, and the presence of steep-dipping Conuma 'C' coal, within the western axial region of the Owl Creek syncline. The precise structure of the synclinal core remains uncertain.

Drilling has also confirmed the presence of thin but laterally-persistent coaly and carbonaceous zones spanning the stratigraphic range from Markers KA and KB, down through Marker A to the top of the Cadomin Formation.

The Brule lease merits further work, as recommended within **Section 9.2** of this report. Where practicable, this work should be done in conjunction with drilling of the adjoining Dillon lease, in order to effectively mitigate costs of mobilisation, demobilisation, and in-kind support by operations staff at Brule Mine.

11 Recommendations

1. The Brule coal lease (tenure 417517) should continue to be maintained in good standing under the *Coal Act*, through the payment of annual rentals, and appropriate assessment reporting.

2. A programme of field geological mapping should be extended within Brule lease, and co-ordinated with any mapping of the adjoining Dillon lease.

- Structure of the rocks should be mapped, and an effort made to identify sections of thrust-repeated strata suspected to be present in this area. Attention should be focussed on kinematic indicators such as cleats and mesoscopic shear structures.
- Exposed coals should be excavated to fresh material, and sampled for reflectance, petrography and proximate analysis, with the goal of better determining the local variability in coal-quality parameters.

3. Drilling should be undertaken within Brule Mine, with the aim of identifying possible northward and extension of Brule Mine's workings.

4. Drilling should also be undertaken to investigate the deep structure of the coal-measures within the Owl Creek syncline.

Note that drilling under items 3) and 4) should be co-ordinated with proposed drilling within the Dillon lease, insofar as the Dillon and Brule leases are both being actively-worked by Brule Mine.

12 Statement of qualifications

I, C.G. Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME, do hereby certify that:

a) I am currently employed on a full-time basis as Chief Geologist, by Conuma Resources Limited, in their Northeast British Columbia office in Tumbler Ridge, British Columbia.

b) This certificate applies to the current report*, Coal Assessment Report for the Brule lease - 2021-2022 work term*, dated May 31, 2022.

c) I am a member (Professional Geoscientist, Licence No.20550) of the Association of Professional Engineers and Geoscientists of British Columbia (EGBC), licensed as a geologist (Licence No.2089) in Washington State, and a founding Registered Member of the Society for Mining, Metallurgy and Exploration (SME, Member No.518350). I have worked as a colliery geologist in several countries for 44 years since my graduation from university with a degree in geological science.

d) I certify that by reason of my education, affiliation with professional associations, and past relevant work experience, having written numerous published and private geological reports and technical papers concerning coalfield geology, coal-mining geology and coal-resource estimation, that I am qualified as a Qualified Person as defined by Canadian *National Instrument 43-101*.

e) My most recent visit to the Brule coal property was in the summer of 2021, to conduct geological mapping of Brule lease.

f) I am the author of this report, titled *Coal Assessment Report for the Brule lease - 2021-2022 work term*, dated May 31, 2022, concerning the Brule coal property.

g) As of the date of the writing of this report, I am not independent of Conuma Resources Limited, pursuant to *National Instrument 43-101*.

h) Conuma Resources Limited holds EGBC permit to practice No. 1002928.

“original signed and sealed by”

Dated this 31st day of May, 2022.
Cumberland, British Columbia

C.G. Cathyl-Huhn P.Geo. Lic.Geol. RMSME
Chief Geologist

Statistical tables for drilling and geophysical logs: **Appendix A**

Tables A-1 and **A-2** respectively present an inventory of exploratory boreholes drilled within the Brule lease during the 2020-2021 and 2021-2022 work terms. **Tables A-3** and **A-4** respectively present details of test holes (drilled with blast-hole rigs) drilled during the 2019-2020 and 2021-2022 work terms.

Geophysical logs run in the exploratory boreholes, and in the in-pit test holes at Brule lease are documented within **Table A-5**. All logging was performed by Century Wireline Services.

A.1 Cross-reference to further data

Lithological interpretations of geophysical logs are presented in **Appendix B**. Scans of interpreted logs are presented in **Appendix C**. Digital copies of geophysical logs (in LAS, PDF, and TIF formats) are presented in **Appendix D**, within the digital (compact disk) version of this report..

2020-2021 exploratory boreholes within Brule lease: **Table A-1**

Borehole	UTM (Zone 10 NAD83)		Elevation (m)	Site	Lease	Setup geometry		Total depth (driller, m)	Bit diameter (cm)	Log date	Casing (m)
	Easting	Northing				Azimuth (deg)	Dip (deg)				
BR21RC-01	572661.76	6140242.25	1301.12		Brule	0	-90	311.81	15.6	30 Jan 2021	8.48
BR21RC-02	572338.3	6140520.82	1230.66		Brule	0	-90	256.64	15.24	3 Feb 2021	30.56
						Totals	2 holes	568.45 m			

'Site' refers to mnemonic used in pre-drilling planning.
Casing length as indicated by geophysical log header; excludes any stick-up above ground level.

2021-2022 exploratory boreholes within Brule lease: **Table A-2**

Borehole	UTM (Zone 10 NAD83)		Elevation (m)	Site	Lease	Setup geometry		Total depth (driller, m)	Bit diameter (cm)	Log date	Casing (m)
	Easting	Northing				Azimuth (deg)	Dip (deg)				
BR21RC-03	572215.89	6140759.56	1166.98	NF'	Brule	0	-90	296	15.24	2021 Jun 23	5.6
BR21RC-04	571879.06	6140262.04	1232.54	NG'	Brule	45	-65	160	15.24	2021 Jun 25	5.72
BR21RC-05	572055.95	6139823.65	1260.63	NI	Brule	0	-90	122.4	15.24	2021 Jun 27	9
BR21RC-06	572057.12	6139731.63	1271.95	NH	Brule	40	-60	121	13.97	2021 Jun 28	11.78
BR21RC-07	572211.2	6140736.79	1168.33	NF'	Brule	190	-60	213.36	15.24	2021 Jul 1	9.3
BR21RC-08	572037.3	6140500.45	1200.63	NJ	Brule	0	-90	141	15.24	2021 Jul 3	5.64
BR21RC-09	572214.04	6141058.6	1147.82	NK	Brule	0	-90	141	15.24	2021 Jul 4	9.04
BR21RC-10	572171.29	6140655.19	1172.57	NF	Brule	0	-90	268	15.24	2021 Jul 8	11.88
BR21RC-11	572326.7	6141445.45	1129.31	NE	Brule	25	-60	146	15.24	2021 Jul 9	5.68
BR21RC-15	572178.52	6140658.51	1172.22	NF"	Brule	210	-75	262	15.24	2021 Jul 28	10.2
BR21RC-16	572531.16	6140315.12	1270.38	BG	Brule	0	-90	310	15.24	2021 Jul 29-30	5.9
BR21RC-17	572391.23	6141298.98	1131.37	NX	Brule	0	-90	243	15.24	2021 Aug 2	18.1
BR21RC-18	572269.09	6140523.64	1218.23	UA	Brule	275	-60	256	15.24	2021 Aug 5	13
BR21RC-19	572583.85	6140424.46	1277.86	BK	Brule	72	-65	177	15.24	2021 Aug 7	4.4
BR21RC-20	572443.01	6140380.21	1255.5	BO	Brule	225	-70	196	15.24	2021 Aug 9	10.5
BR21RC-29	572370.62	6141248.09	1135.79	WA	Brule	0	-90	104	15.88	2021 Nov 19	9.94
BR21RC-30	572316.36	6141185.68	1149.37	WC	Brule	0	-90	129	15.88	2021 Nov 21	5.68
BR21RC-31	572343.48	6141203.34	1149.74	WB	Brule	215	-60	95	15.88	2021 Nov 23	5.6
						Totals: 18 holes		3380.76 m			

'Site' refers to mnemonic used in pre-drilling planning.
Casing length as indicated by geophysical log header; excludes any stick-up above ground level.

2019-2020 test holes within Brule lease: **Table A-3**

Test hole	UTM (Zone 10 NAD83)		Elevation (m)	Site	Lease	Setup geometry		Total depth (driller, m)	Bit diameter (cm)	Log date	Casing (m)
	Easting	Northing				Azimuth (deg)	Dip (deg)				
TH20-21	572645.34	6140063.77	1333.74		Brule	0	-90	30	29.3	3 Mar 2020	0
TH20-23	572543.43	6140105.26	1325.19		Brule	0	-90	30	29.3	27 Feb 2020	0
TH20-24	572528.16	6140096.29	1324.58		Brule	0	-90	30	29.3	28 Feb 2020	0
TH20-25	572483.47	6140162.94	1317.08		Brule	0	-90	30	29.3	28 Feb 2020	0
TH20-32	572172.08	6140054.79	1270.1		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-33	572270.5	6139950.65	1270.2		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-34	572067.42	6140172.86	1280.16		Brule	0	-90	30	29.3	27 Feb 2020	0
TH20-35	572019.55	6140249.15	1281.43		Brule	0	-90	30	29.3	27 Feb 2020	0
TH20-56	572122.67	6140109.1	1271.22		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-64	572216.83	6139998.52	1269.91		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-78	572331.28	6139897.18	1269.47		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-98	572494.49	6139759.66	1276.6		Brule	0	-90	30	29.3	2 Mar 2020	0
TH20-99	572422.8	6139799.57	1269.56		Brule	0	-90	30	29.3	2 Mar 2020	0
					Totals	13 test holes		390 m			

Abbreviation: TH -- test hole.

2021-2022 test holes within Brule lease: **Table A-4**

Test hole	UTM (Zone 10 NAD83)		Elevation (m)	Site	Lease	Setup geometry		Total depth (driller, m)	Bit diameter (mm)	Log date	Casing (m)
	Easting	Northing				Azimuth (deg)	Dip (deg)				
TH21-10	572699.21	6139955.26	1229.59		Brule	0	-90	24.2	26.987	6 Aug 2021	0
TH21-11	572680.15	6140021.08	1229.79		Brule	0	-90	30.2	25.40	6 Aug 2021	0
TH21-12	572626.45	6140062.47	1230.19		Brule	0	-90	29.6	25.40	6 Aug 2021	0
TH21-25	572451.29	6140184.1	1220.08		Brule	0	-90	30	26.987	12 Sep 2021	0
TH21-26	572464.63	6140173.44	1220.39		Brule	0	-90	11.3	26.987	13 Sep 2021	0
TH21-27	572469.65	6140169.48	1220.35		Brule	0	-90	11.3	26.987	13 Sep 2021	0
TH21-28	572474.75	6140165.53	1220.17		Brule	0	-90	11.2	26.987	13 Sep 2021	0
TH21-29	572479.87	6140161.2	1220.12		Brule	0	-90	11.2	26.987	13 Sep 2021	0
TH21-30	572484.91	6140157.29	1220.09		Brule	0	-90	11.1	26.987	13 Sep 2021	0
TH21-31	572518.06	6140130.71	1220.37		Brule	0	-90	32.4	26.987	13 Sep 2021	0
TH21-32	572553.6	6140102.56	1220.53		Brule	0	-90	32.5	26.987	13 Sep 2021	0
TH21-33	572555.24	6140101.21	1220.51		Brule	0	-90	13.99	26.987	13 Sep 2021	0
TH21-34	572561.04	6140096.35	1220.29		Brule	0	-90	13.5	26.987	13 Sep 2021	0
TH21-35	572554.86	6140093.76	1220.57		Brule	0	-90	13.6	26.987	13 Sep 2021	0
TH21-36	572549.99	6140104.93	1220.62		Brule	0	-90	11.7	26.987	13 Sep 2021	0
					Totals	15 holes		287.79 m			

Abbreviations: TH -- test hole

Geophysical logs of boreholes and test holes within Brule lease: **Table A-5**

Test hole	Lease	Total depth (driller, m)	Log date	Depths reached by logs (m)					
				Density	Neutron	Sonic	Dipmeter	Deviation	Declination used (deg)
BR21RC-01	Brule	311.81	2021 Jan 30	311.30	310.92	not run	311.39	311.28	17.38
BR21RC-02	Brule	256.64	2021 Feb 3	256.52	256.32	not run	256.69	256.69	17.38
BR21RC-03	Brule	296	2021 Jun 23	295.60	290.56	294.91	295.52	295.91	17.38
BR21RC-04	Brule	160	2021 Jun 25	159.08	150.90	not run	159.20	150.90	17.38
BR21RC-05	Brule	122.4	2021 Jun 27	122.14	114.82	122.22	122.22	114.82	17.38
BR21RC-06	Brule	121	2021 Jun 28	121.54	120.14	not run	121.27	121.20	17.38
BR21RC-07	Brule	213.36	2021 Jul 1	145.78	not run	not run	143.91	143.91	17.38
BR21RC-08	Brule	141	2021 Jul 3	141.14	139.10	141.18	141.20	141.20	17.38
BR21RC-09	Brule	141	2021 Jul 4	140.88	138.70	141.00	141.05	141.05	17.38
BR21RC-10	Brule	268	2021 Jul 8	266.74	260.34	266.56	266.33	266.32	17.38
BR21RC-11	Brule	146	2021 Jul 9	146.00	144.70	not run	146.16	146.16	17.38
BR21RC-15	Brule	262	2021 Jul 28	254.42	254.40	not run	183.72	183.72	17.38
BR21RC-16	Brule	310	2021 Jul 29-30	309.16	309.34	not run	307.80	307.80	16.2
BR21RC-17	Brule	243	2021 Aug 2	243.14	242.44	243.38	243.21	243.21	16.2
BR21RC-18	Brule	256	2021 Aug 5	254.52	254.52	not run	not run	not run	16.2
BR21RC-19	Brule	177	2021 Aug 7	171.12	not run	not run	173.35	173.35	16.2
BR21RC-20	Brule	196	2021 Aug 9	196.56	not run	not run	195.66	195.66	16.2
BR21RC-29	Brule	104	2021 Nov 19	104.14	not run	104.20	103.94	103.94	16.25
BR21RC-30	Brule	129	2021 Nov 21	128.62	not run	128.46	128.53	128.53	16.25
BR21RC-31	Brule	95	2021 Nov 23	94.2	not run	94.06	93.50	94.00	16.25
TH20-21	Brule	30	2020 Mar 3	29.6	not run	not run	not run	29.58	17.46
TH20-23	Brule	30	2020 Feb 27	19.8	not run	not run	not run	19.84	17.46
TH20-24	Brule	30	2020 Feb 28	13.58	not run	not run	not run	13.56	17.46
TH20-25	Brule	30	2020 Feb 28	24.9	not run	not run	not run	25.06	17.46
TH20-32	Brule	30	2020 Mar 2	18.46	not run	not run	not run	18.32	17.46

Geophysical logs of boreholes and test holes within Brule lease: **Table A-5 (concluded)**

Test hole	Lease	Total depth (driller, m)	Log date	Depths reached by logs (m)					
				Density	Neutron	Sonic	Dipmeter	Deviation	Declination used (deg)
TH20-33	Brule	30	2020 Mar 2	15.92	not run	not run	not run	15.9	17.46
TH20-34	Brule	30	2020 Feb 27	30.33	not run	not run	not run	29.94	17.46
TH20-35	Brule	30	2020 Feb 27	30.97	not run	not run	not run	31.02	17.46
TH20-56	Brule	30	2020 Mar 2	17.04	not run	not run	not run	16.98	17,46
TH20-64	Brule	30	2020 Mar 2	19.34	not run	not run	not run	19.38	17.46
TH20-78	Brule	30	2020 Mar 2	21.34	not run	not run	not run	20.76	17.46
TH20-98	Brule	30	2020 Mar 2	24.88	not run	not run	not run	24.88	17.46
TH20-99	Brule	30	2020 Mar 2	30.88	not run	not run	not run	30.74	17.46
TH21-10	Brule	24.2	2021 Aug 6	23.94	not run	not run	not run	not run	17.38
TH21-11	Brule	30.2	2021 Aug 6	29.92	not run	not run	not run	not run	17.38
TH21-12	Brule	29.6	2021 Aug 6	29.32	not run	not run	not run	not run	17.38
TH21-25	Brule	30	2021 Sep 12	31.80	not run	not run	not run	not run	16.20
TH21-26	Brule	11.3	2021 Sep 13	10.70	not run	not run	not run	not run	16.20
TH21-27	Brule	11.3	2021 Sep 13	10.64	not run	not run	not run	not run	16.20
TH21-28	Brule	11.2	2021 Sep 13	10.34	not run	not run	not run	not run	16.20
TH21-29	Brule	11.2	2021 Sep 13	10.62	not run	not run	not run	not run	16.20
TH21-30	Brule	11.1	2021 Sep 13	10.72	not run	not run	not run	not run	16.20
TH21-31	Brule	32.4	2021 Sep 13	31.70	not run	not run	not run	not run	16.20
TH21-32	Brule	32.5	2021 Sep 13	24.46	not run	not run	not run	not run	16.20
TH21-33	Brule	13.99	2021 Sep 13	13.22	not run	not run	not run	not run	16.20
TH21-34	Brule	13.5	2021 Sep 13	9.78	not run	not run	not run	not run	16.20
TH21-35	Brule	13.6	2021 Sep 13	13.30	not run	not run	not run	not run	16.20
TH21-36	Brule	11.7	2021 Sep 13	9.36	not run	not run	not run	not run	16.20
			number of holes	48	14	9	19	32	
			total metres	4429.46	2987.2	1535.97	3534.65	3815.61	

Reference file name: Brule-geophysics_220530b.dat/xls

Lithological interpretation of geophysical logs: **Appendix B**

Table B-1 presents interpretations of geophysical logs from of boreholes and test holes drilled within the Brule and Dillon leases during the 2019-2020, 2020-2021, and 2021-2022 work terms. The approach to geophysical log interpretation remains unchanged from previous years, entailing the blocking-out of carbonaceous and coaly lithologies on the basis of their indicated bulk density. Thicknesses are interpreted to the nearest 5 centimetres.

Lithology codes are:

ASH -- high-gamma response horizon, interpreted as volcanic ash (tuff) band
C -- coal (density response <1.5 gm/cc)
CBSH -- carbonaceous rock (density response >1.9 gm/cc)
CR -- coaly rock (density response 1.7 to 1.9 gm/cc)
DC -- dirty coal (density response 1.5 to 1.7 gm/cc)
DRIFT -- unconsolidated surficial materials above rockhead
FAULT -- fault
IRST -- ironstone (anomalously-high density material)
R -- rock (undifferentiated)

Coal bed codes are:

MKA, MKB -- beds in Marker K	MG -- Marker G	MF -- Marker F
MEA, MEB -- beds in Marker E	CA -- Conuma A coal zone	CAA, CAB -- beds in Conuma A
MD -- Marker D	MDH -- Marker DH	MDJ -- Marker DJ
MDK -- Marker DK	MDL -- Marker DL	MDM -- Marker DM
MDN -- Marker DN	MCD -- Marker CD ('lake beds'?)	MC -- Marker C
MCL -- Marker CL	MCM -- Marker CM	MCN -- Marker CN
CB -- Conuma B coal zone	CBA, CBB -- beds in Conuma B	MM -- Mid-Marker
CC -- Conuma C coal zone	CCA, CCB -- beds in Conuma C	MB -- Marker B
MAA -- Marker AA	MA -- Marker A	MAB -- Marker AB
MAG - Marker AG	MAH -- Marker AH	MAL -- Marker AL
MAP -- Marker AP	MAR -- Marker AR	MAS -- Marker AS
MAT -- Marker AT	MAV -- Marker AV	Basal Sand top
MAX -- Marker AX	MAY -- Marker AY	

Note: beds MKA and MKB (within Marker K zone), beds MEA and MEB (within Marker E zone), and beds MA and MAB (within Marker A zone) are widely-recognised doublets, which generally occur within a few decimetres to a few metres of each other. Coals CCA and CCB (within Conuma C zone) are locally found in coal-on-coal contact.

Cross-reference to further data

Depths to tops of the various coal zones are summarised in **Tables 4-3** through **4-8**, within **Chapter 4** of this report.

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
BR20RC-01							Dillon	1
0	9.2	9.2	DRIFT	DRIFT				2
9.2	11.8	2.6	R		Starts in Gaylard	Normal stratigraphy		3
11.8	12.15	0.35	CBSH	MKB				4
12.15	16.8	4.65	R					5
16.8	16.95	0.15	CBSH					6
16.95	24.2	7.25	R					7
24.2	24.9	0.7	CBSH					8
24.9	28.9	4	R					9
28.9	29.1	0.2	IRST					10
29.1	36.5	7.4	R					11
36.5	36.8	0.3	FAULT		Probable			12
36.8	37.15	0.35	DC		Starts in Gaylard	Normal stratigraphy		13
37.15	53.2	16.05	R					14
53.2	53.35	0.15	CR					15
53.35	53.5	0.15	CBSH					16
53.5	53.75	0.25	ASH					17
53.75	54.1	0.35	R					18
54.1	54.3	0.2	CBSH	MG				19
54.3	54.7	0.4	CR	MG				20
54.7	55.1	0.4	DC	MG				21
55.1	56.3	1.2	CBSH	MG				22
56.3	56.4	0.1	FAULT		Possible			23
56.4	60.05	3.65	R		Starts in Gaylard	Normal stratigraphy		24
60.05	60.2	0.15	CBSH					25
60.2	61	0.8	R					26
61	61.3	0.3	ASH					27
61.3	61.5	0.2	CBSH	MF				28
61.5	61.75	0.25	CR	MF				29
61.75	62	0.25	CBSH	MF				30
62	69.6	7.6	R					31
69.6	69.7	0.1	CBSH					32
69.7	73	3.3	R					33
73	73.2	0.2	CBSH	MEA				34
73.2	73.4	0.2	C	MEA				35
73.4	73.55	0.15	CR	MEA				36
73.55	73.65	0.1	DC	MEA				37
73.65	73.85	0.2	CBSH	MEA				38
73.85	74.5	0.65	R					39
74.5	74.65	0.15	CR	MEB				40
74.65	74.8	0.15	DC	MEB				41
74.8	75	0.2	CBSH	MEB				42
75	92.25	17.25	R					43
92.25	92.35	0.1	CBSH					44
92.35	92.45	0.1	CR					45
92.45	92.85	0.4	DC	CAA				46
92.85	93.45	0.6	C	CAA				47

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
93.45	93.6	0.15	FAULT		Possible			48
93.6	94.55	0.95	C	CAA	Starts in Gaylard	Normal stratigraphy		49
94.55	96	1.45	C	CAB				50
96	96.25	0.25	DC	CAB				51
96.25	96.8	0.55	CBSH					52
96.8	97.05	0.25	CR					53
97.05	97.2	0.15	DC					54
97.2	97.3	0.1	CR					55
97.3	97.4	0.1	DC					56
97.4	97.75	0.35	CR					57
97.75	97.9	0.15	CBSH					58
97.9	98.45	0.55	CR					59
98.45	98.7	0.25	C					60
98.7	99.1	0.4	CBSH					61
99.1	100.8	1.7	C	MD				62
100.8	101.2	0.4	CR					63
101.2	101.45	0.25	CBSH					64
101.45	102.35	0.9	R					65
102.35	103.2	0.85	CBSH					66
103.2	103.8	0.6	CR	MDH				67
103.8	104	0.2	CBSH					68
104	104.1	0.1	FAULT		Probable			69
104.1	104.55	0.45	R		Starts in Gaylard	Normal stratigraphy		70
104.55	105.35	0.8	CBSH					71
105.35	105.95	0.6	CR	MDH				72
105.95	106.5	0.55	CBSH					73
106.5	107.25	0.75	CR	MDJ				74
107.25	107.4	0.15	DC	MDJ				75
107.4	107.95	0.55	CBSH					76
107.95	109.05	1.1	R					77
109.05	109.65	0.6	CBSH					78
109.65	111	1.35	R					79
111	111.5	0.5	FAULT	WARGA	Established			80
111.5	111.55	0.05	R		Starts in Gaylard	Normal stratigraphy		81
111.55	111.75	0.2	CR					82
111.75	113.55	1.8	C	CAA				83
113.55	114.25	0.7	C	CAB				84
114.25	114.65	0.4	DC	CAB				85
114.65	114.95	0.3	CBSH					86
114.95	116	1.05	R					87
116	116.4	0.4	CBSH					88
116.4	116.7	0.3	DC					89
116.7	116.9	0.2	CBSH					90
116.9	117	0.1	DC					91
117	117.1	0.1	CR					92
117.1	117.45	0.35	C	MD				93
117.45	117.6	0.15	CR	MD				94

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
117.6	117.9	0.3	DC	MD				95
117.9	119.45	1.55	C	MD				96
119.45	119.75	0.3	DC	MD				97
119.75	120	0.25	CBSH					98
120	120.7	0.7	R					99
120.7	120.85	0.15	CBSH					100
120.85	121.25	0.4	R					101
121.25	121.55	0.3	CBSH					102
121.55	121.65	0.1	CR	MDH				103
121.65	121.75	0.1	CBSH	MDH				104
121.75	122	0.25	CR	MDH				105
122	122.25	0.25	DC	MDH				106
122.25	122.4	0.15	CR	MDH				107
122.4	122.7	0.3	DC	MDH				108
122.7	122.85	0.15	CBSH	MDH				109
122.85	123	0.15	CR	MDH				110
123	123.3	0.3	CBSH					111
123.3	124.45	1.15	R					112
124.45	124.7	0.25	CBSH					113
124.7	125	0.3	DC	MDJ				114
125	125.2	0.2	CBSH					115
125.2	125.4	0.2	R					116
125.4	125.9	0.5	CR	MDK				117
125.9	127.25	1.35	R					118
127.25	127.6	0.35	CBSH					119
127.6	131.55	3.95	R					120
131.55	131.9	0.35	DC	MDL				121
131.9	137.1	5.2	R					122
137.1	137.45	0.35	CR	MDM				123
137.45	152.05	14.6	R					124
152.05	152.4	0.35	CBSH					125
152.4	152.5	0.1	CR					126
152.5	153.05	0.55	CBSH					127
153.05	164.35	11.3	R					128
164.35	164.7	0.35	R	MCD				129
164.7	165.5	0.8	CBSH	MCD				130
165.5	167.35	1.85	R	MCD				131
167.35	167.5	0.15	CBSH	MCD				132
167.5	168.1	0.6	R	MCD				133
168.1	169.7	1.6	R					134
169.7	169.8	0.1	CBSH					135
169.8	173.8	4	R					136
173.8	174.1	0.3	CBSH					137
174.1	177.4	3.3	R					138
177.4	177.6	0.2	CBSH					139
177.6	188.1	10.5	R					140
188.1	188.2	0.1	CR					141

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
188.2	188.35	0.15	CBSH					142
188.35	188.55	0.2	DC					143
188.55	189.05	0.5	R					144
189.05	189.4	0.35	CBSH					145
189.4	190.1	0.7	R					146
190.1	190.3	0.2	CBSH					147
190.3	190.7	0.4	DC	MC				148
190.7	191	0.3	CBSH					149
191	191.5	0.5	R					150
191.5	191.6	0.1	FAULT		Possible			151
191.6	191.9	0.3	C	MC	Starts in Gaylard	Normal stratigraphy		152
191.9	192.45	0.55	DC	MC				153
192.45	192.6	0.15	CR					154
192.6	194.4	1.8	R					155
194.4	194.7	0.3	CBSH					156
194.7	195	0.3	R					157
195	195.1	0.1	FAULT		Possible			158
195.1	195.4	0.3	R		Starts in Gaylard	Normal stratigraphy		159
195.4	196.1	0.7	CBSH					160
196.1	204.1	8	R					161
204.1	204.3	0.2	DC					162
204.3	204.45	0.15	CR					163
204.45	205.1	0.65	R					164
205.1	205.35	0.25	IRST					165
205.35	216.6	11.25	R					166
216.6	217	0.4	CBSH					167
217	219.8	2.8	R					168
219.8	220.15	0.35	CBSH					169
220.15	231.8	11.65	R					170
231.8	232	0.2	CBSH					171
232	233.5	1.5	C	CBA				172
233.5	233.8	0.3	DC	CBA				173
233.8	233.95	0.15	CR					174
233.95	234.05	0.1	DC	CBB				175
234.05	235.35	1.3	C	CBB				176
235.35	235.5	0.15	DC	CBB				177
235.5	235.75	0.25	FAULT		Probable			178
235.75	236	0.25	CR		Starts in Gaylard	Normal stratigraphy		179
236	251.05	15.05	R					180
251.05	251.3	0.25	CBSH					181
251.3	251.6	0.3	DC	MM				182
251.6	254.8	3.2	C	CCA				183
254.8	259.1	4.3	C	CCB				184
259.1	259.3	0.2	DC	CCB				185
259.3	259.6	0.3	CR					186
259.6	260.25	0.65	R					187
260.25	260.9	0.65	CBSH	MB				188

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
260.9	261.2	0.3	C	MB				189
261.2	261.4	0.2	CR	MB				190
261.4	264.05	2.65	R					191
264.05	264.2	0.15	IRST					192
264.2	268.45	4.25	R					193
268.45	268.95	0.5	ND			No data		194
								195
BR20RC-02							Dillon	196
0	6.58	6.58	DRIFT	DRIFT				197
6.58	9.05	2.47	R		Starts in Gaylard	Normal stratigraphy		198
9.05	9.3	0.25	DC	MKA				199
9.3	9.8	0.5	CBSH					200
9.8	13.1	3.3	R					201
13.1	13.4	0.3	CR	MKB				202
13.4	13.7	0.3	DC	MKB				203
13.7	14.9	1.2	CBSH					204
14.9	16.1	1.2	R					205
16.1	16.2	0.1	FAULT		Established			206
16.2	16.35	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		207
16.35	16.5	0.15	DC	MKA				208
16.5	16.7	0.2	CR	MKA				209
16.7	18.2	1.5	CBSH					210
18.2	18.9	0.7	R					211
18.9	19.15	0.25	N					212
19.15	19.3	0.15	DC	MKB				213
19.3	19.55	0.25	CR	MKB				214
19.55	71.15	51.6	R					215
71.15	71.4	0.25	CBSH					216
71.4	71.6	0.2	CR	MG				217
71.6	72	0.4	DC	MG				218
72	72.25	0.25	CR	MG				219
72.25	72.4	0.15	CBSH					220
72.4	72.7	0.3	CR					221
72.7	73.4	0.7	CBSH					222
73.4	76.5	3.1	R					223
76.5	76.6	0.1	IRST					224
76.6	79.75	3.15	R					225
79.75	80.1	0.35	CBSH	MF				226
80.1	83.2	3.1	R					227
83.2	83.55	0.35	CBSH					228
83.55	90.45	6.9	R					229
90.45	90.6	0.15	CBSH	MEA				230
90.6	90.8	0.2	CR	MEA				231
90.8	91.1	0.3	CBSH					232
91.1	91.2	0.1	CR	MEB				233
91.2	91.5	0.3	DC	MEB				234
91.5	96.85	5.35	R					235

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
96.85	97.25	0.4	CBSH					236
97.25	102.55	5.3	R					237
102.55	102.8	0.25	DC	CAA				238
102.8	103.75	0.95	C	CAA				239
103.75	103.9	0.15	DC	CAB				240
103.9	105.5	1.6	C	CAB				241
105.5	106.65	1.15	R					242
106.65	106.9	0.25	CBSH					243
106.9	107.2	0.3	CR					244
107.2	107.45	0.25	DC	MD				245
107.45	108.4	0.95	C	MD				246
108.4	108.7	0.3	CBSH					247
108.7	110.95	2.25	R					248
110.95	111.2	0.25	CR	MDH				249
111.2	111.45	0.25	C	MDH				250
111.45	111.55	0.1	CR	MDH				251
111.55	111.7	0.15	CBSH					252
111.7	111.8	0.1	FAULT		Possible			253
111.8	112	0.2	CBSH		Starts in Gaylard	Normal stratigraphy		254
112	113.9	1.9	R					255
113.9	114.05	0.15	IRST					256
114.05	114.45	0.4	R					257
114.45	114.7	0.25	CR	MDH				258
114.7	115	0.3	DC	MDH				259
115	115.3	0.3	CBSH					260
115.3	116.15	0.85	R					261
116.15	116.35	0.2	CR	MDJ				262
116.35	116.5	0.15	DC	MDJ				263
116.5	116.7	0.2	CBSH					264
116.7	117.7	1	R					265
117.7	118.2	0.5	CBSH	MDK				266
118.2	120.85	2.65	R					267
120.85	121.25	0.4	CR	MDL				268
121.25	129.9	8.65	R					269
129.9	130	0.1	FAULT		Probable			270
130	130.3	0.3	CBSH		Starts in Gaylard	Normal stratigraphy		271
130.3	132.65	2.35	R					272
132.65	132.95	0.3	CBSH					273
132.95	133.05	0.1	CR	MDH				274
133.05	133.2	0.15	DC	MDH				275
133.2	133.3	0.1	CR	MDH				276
133.3	133.45	0.15	DC	MDH				277
133.45	133.7	0.25	CR	MDH				278
133.7	134.2	0.5	R					279
134.2	134.45	0.25	CBSH	MDJ				280
134.45	136.15	1.7	R					281
136.15	136.8	0.65	CBSH	MDK				282

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
136.8	140.6	3.8	R					283
140.6	140.95	0.35	C	MDL				284
140.95	153.9	12.95	R					285
153.9	154	0.1	FAULT	WARGA	Probable			286
154	156.3	2.3	R		Starts in Gaylard	Normal stratigraphy		287
156.3	156.5	0.2	CBSH					288
156.5	156.9	0.4	C	MDH				289
156.9	157.35	0.45	R					290
157.35	157.8	0.45	CBSH					291
157.8	158.7	0.9	R					292
158.7	159	0.3	CBSH	MDJ				293
159	159.2	0.2	CR	MDJ				294
159.2	159.6	0.4	CBSH	MDJ				295
159.6	160.4	0.8	R					296
160.4	160.5	0.1	CBSH	MDK				297
160.5	160.85	0.35	CR	MDK				298
160.85	161.1	0.25	CBSH	MDK				299
161.1	164	2.9	R					300
164	164.3	0.3	CR					301
164.3	166	1.7	C	MDL				302
166	166.25	0.25	CR					303
166.25	186.15	19.9	R					304
186.15	186.6	0.45	FAULT		Probable			305
186.6	186.75	0.15	DC	MDL	Starts in Gaylard	Normal stratigraphy		306
186.75	187.4	0.65	R					307
187.4	187.8	0.4	CBSH					308
187.8	188.75	0.95	R					309
188.75	189.5	0.75	CBSH	MDM				310
189.5	199.65	10.15	R					311
199.65	200.05	0.4	CBSH					312
200.05	200.75	0.7	R					313
200.75	202.4	1.65	R	MCD				314
202.4	205.15	2.75	R					315
205.15	205.75	0.6	CBSH					316
205.75	211.6	5.85	R					317
211.6	211.9	0.3	CBSH					318
211.9	216.4	4.5	R					319
216.4	216.8	0.4	CBSH					320
216.8	218.15	1.35	R					321
218.15	218.4	0.25	CBSH					322
218.4	218.6	0.2	CR					323
218.6	219.85	1.25	R					324
219.85	220.05	0.2	CBSH					325
220.05	220.3	0.25	C	MC				326
220.3	220.85	0.55	DC	MC				327
220.85	221	0.15	CBSH					328
221	221.2	0.2	R					329

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
221.2	221.35	0.15	CBSH					330
221.35	221.6	0.25	ASH					331
221.6	222	0.4	R					332
222	222.2	0.2	CBSH					333
222.2	222.4	0.2	CR					334
222.4	222.6	0.2	DC					335
222.6	222.8	0.2	CR					336
222.8	223.3	0.5	CBSH					337
223.3	227.65	4.35	R					338
227.65	227.8	0.15	CBSH					339
227.8	228.1	0.3	C					340
228.1	228.3	0.2	CR					341
228.3	228.55	0.25	CBSH					342
228.55	241.55	13	R					343
241.55	241.85	0.3	CR					344
241.85	242.1	0.25	CBSH					345
242.1	253.05	10.95	R					346
253.05	253.3	0.25	CBSH					347
253.3	253.9	0.6	C	CBA				348
253.9	254.05	0.15	DC	CBA				349
254.05	254.6	0.55	R					350
254.6	254.85	0.25	CBSH					351
254.85	255.05	0.2	CR					352
255.05	256.25	1.2	C	CBB				353
256.25	256.45	0.2	CR					354
256.45	257.15	0.7	CBSH					355
257.15	268.55	11.4	R					356
268.55	269	0.45	ND			No data		357
								358
BR21RC-01							Brule	359
0	8.48	8.48	DRIFT	DRIFT				360
8.48	9	0.52	R		Starts in Gaylard	Normal stratigraphy		361
9	9.2	0.2	CBSH					362
9.2	9.45	0.25	DC	MKB				363
9.45	9.6	0.15	C	MKB				364
9.6	9.8	0.2	CBSH					365
9.8	20.15	10.35	R					366
20.15	20.5	0.35	CBSH					367
20.5	75.5	55	R					368
75.5	75.85	0.35	CBSH	MG				369
75.85	76.5	0.65	CR	MG				370
76.5	77.8	1.3	CBSH	MG				371
77.8	82.3	4.5	R					372
82.3	82.7	0.4	IRST					373
82.7	82.8	0.1	R					374
82.8	82.9	0.1	CBSH	MF				375
82.9	84.25	1.35	R					376

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
84.25	84.35	0.1	FAULT		Possible			377
84.35	86.9	2.55	R		Starts in Gaylard	Normal stratigraphy		378
86.9	87.3	0.4	IRST					379
87.3	100.15	12.85	R					380
100.15	100.4	0.25	CR	MEA				381
100.4	100.5	0.1	DC	MEA				382
100.5	100.95	0.45	CBSH					383
100.95	101.2	0.25	R					384
101.2	101.4	0.2	DC					385
101.4	101.6	0.2	CBSH	MEB				386
101.6	108.25	6.65	R					387
108.25	108.55	0.3	CBSH					388
108.55	113.8	5.25	R					389
113.8	113.95	0.15	CBSH					390
113.95	114.3	0.35	CR					391
114.3	114.4	0.1	DC					392
114.4	114.5	0.1	CR					393
114.5	114.7	0.2	DC	CAA				394
114.7	116	1.3	C	CAA				395
116	117.75	1.75	C	CAB				396
117.75	118	0.25	CR					397
118	118.2	0.2	CBSH					398
118.2	118.35	0.15	R					399
118.35	118.65	0.3	CBSH					400
118.65	118.8	0.15	CR					401
118.8	118.95	0.15	CBSH					402
118.95	119.2	0.25	R					403
119.2	119.4	0.2	CR					404
119.4	120.55	1.15	C	MD				405
120.55	121.2	0.65	CBSH					406
121.2	125.2	4	R					407
125.2	125.9	0.7	CBSH					408
125.9	126.7	0.8	R					409
126.7	127.25	0.55	CBSH					410
127.25	127.4	0.15	CR	MDH				411
127.4	127.55	0.15	CBSH	MDH				412
127.55	127.8	0.25	CR	MDH				413
127.8	127.9	0.1	DC	MDH				414
127.9	128.45	0.55	CBSH					415
128.45	128.8	0.35	DC	MDJ				416
128.8	129.2	0.4	CBSH					417
129.2	131.05	1.85	R					418
131.05	132	0.95	CBSH	MDK				419
132	135.1	3.1	R					420
135.1	135.5	0.4	CR	MDL				421
135.5	152.85	17.35	R					422
152.85	153	0.15	FAULT	WARGA	Probable			423

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
153	163.9	10.9	R		Starts in Gaylard	Normal stratigraphy		424
163.9	164.15	0.25	CBSH	MDK				425
164.15	167.1	2.95	R					426
167.1	167.4	0.3	CBSH					427
167.4	167.9	0.5	C	MDL				428
167.9	168.15	0.25	DC	MDL				429
168.15	168.5	0.35	CBSH					430
168.5	168.75	0.25	CR					431
168.75	168.9	0.15	CBSH					432
168.9	169.6	0.7	R					433
169.6	169.9	0.3	DC	MDM				434
169.9	170.1	0.2	CBSH					435
170.1	170.35	0.25	ASH					436
170.35	172.45	2.1	R					437
172.45	173.2	0.75	CBSH					438
173.2	173.5	0.3	R					439
173.5	173.6	0.1	FAULT		Probable			440
173.6	173.9	0.3	R		Starts in Gaylard	Normal stratigraphy		441
173.9	174.2	0.3	CBSH					442
174.2	174.75	0.55	C	MDL				443
174.75	174.95	0.2	CR					444
174.95	175.85	0.9	CBSH					445
175.85	176.85	1	R					446
176.85	177.2	0.35	CBSH	MDM				447
177.2	196	18.8	R					448
196	197.5	1.5	R	MCD				449
197.5	199.2	1.7	R					450
199.2	199.6	0.4	CBSH					451
199.6	199.9	0.3	R					452
199.9	200.2	0.3	CBSH					453
200.2	212.35	12.15	R					454
212.35	212.45	0.1	CR					455
212.45	212.6	0.15	CBSH					456
212.6	219.25	6.65	R					457
219.25	219.4	0.15	ASH					458
219.4	219.5	0.1	CBSH					459
219.5	222.15	2.65	R					460
222.15	222.35	0.2	CBSH					461
222.35	222.7	0.35	CR					462
222.7	226.35	3.65	R					463
226.35	226.75	0.4	IRST					464
226.75	227.7	0.95	R					465
227.7	228.1	0.4	CBSH					466
228.1	229.5	1.4	R					467
229.5	230.05	0.55	CBSH					468
230.05	231.15	1.1	R					469
231.15	231.3	0.15	CR					470

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
231.3	231.45	0.15	CBSH					471
231.45	242.8	11.35	R					472
242.8	243.15	0.35	CR					473
243.15	243.25	0.1	CBSH					474
243.25	243.45	0.2	R					475
243.45	243.65	0.2	CBSH					476
243.65	243.8	0.15	C	MC				477
243.8	244.25	0.45	FAULT		Probable			478
244.25	245.3	1.05	R		Starts in Gaylard	Normal stratigraphy		479
245.3	246	0.7	ASH					480
246	246.4	0.4	CBSH					481
246.4	246.6	0.2	R					482
246.6	247	0.4	CR					483
247	247.6	0.6	CBSH					484
247.6	251.6	4	R					485
251.6	251.9	0.3	DC	MC				486
251.9	252.3	0.4	R					487
252.3	252.6	0.3	CBSH					488
252.6	260.3	7.7	R					489
260.3	260.5	0.2	CBSH					490
260.5	260.6	0.1	ASH					491
260.6	260.85	0.25	CBSH					492
260.85	262.7	1.85	R					493
262.7	262.8	0.1	CBSH					494
262.8	263	0.2	CR					495
263	273.7	10.7	R					496
273.7	274.05	0.35	CBSH					497
274.05	274.55	0.5	C	CBA				498
274.55	274.7	0.15	DC	CBA				499
274.7	275.8	1.1	R					500
275.8	276.5	0.7	C	CBB				501
276.5	276.7	0.2	DC	CBB				502
276.7	276.8	0.1	CR					503
276.8	277.5	0.7	CBSH					504
277.5	296.6	19.1	R					505
296.6	296.8	0.2	CBSH					506
296.8	297.1	0.3	DC	MM				507
297.1	297.6	0.5	R					508
297.6	297.8	0.2	CBSH					509
297.8	298	0.2	CR					510
298	300.85	2.85	C	CCA				511
300.85	304.9	4.05	C	CCB				512
304.9	305.15	0.25	CR					513
305.15	306.6	1.45	R					514
306.6	307.1	0.5	CR	MB				515
307.1	307.25	0.15	DC	MB				516
307.25	307.7	0.45	C	MB				517

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
307.7	308.05	0.35	CR	MB				518
308.05	310.5	2.45	R					519
310.5	310.7	0.2	DC	MAA				520
310.7	311.1	0.4	C	MAA				521
311.1	311.6	0.5	ND			No data		522
								523
BR21RC-02							Brule	524
0	30.5	30.5	DRIFT	DRIFT				525
30.5	31.5	1	R		Starts in Gaylard	Normal stratigraphy		526
31.5	32.1	0.6	CBSH	MDH				527
32.1	34	1.9	R					528
34	34.1	0.1	CBSH	MDJ				529
34.1	38.85	4.75	R					530
38.85	40.1	1.25	CBSH	MDK				531
40.1	46.6	6.5	R					532
46.6	46.75	0.15	CBSH					533
46.75	51.05	4.3	R					534
51.05	51.4	0.35	CBSH					535
51.4	51.55	0.15	FAULT		Probable			536
51.55	55.4	3.85	R		Starts in Gaylard	Normal stratigraphy		537
55.4	55.8	0.4	CBSH	MDH				538
55.8	57.15	1.35	R					539
57.15	57.3	0.15	CBSH					540
57.3	57.45	0.15	DC	MDJ				541
57.45	57.75	0.3	CBSH					542
57.75	57.85	0.1	R					543
57.85	58.2	0.35	CBSH					544
58.2	59.45	1.25	R					545
59.45	59.95	0.5	CBSH					546
59.95	60.1	0.15	DC	MDK				547
60.1	60.3	0.2	CBSH					548
60.3	67.45	7.15	R					549
67.45	67.55	0.1	FAULT		Probable			550
67.55	82.3	14.75	R		Starts in Gaylard	Normal stratigraphy		551
82.3	82.65	0.35	CBSH	MDJ				552
82.65	83	0.35	R					553
83	83.2	0.2	CBSH					554
83.2	83.6	0.4	R					555
83.6	83.9	0.3	CBSH					556
83.9	84.1	0.2	DC	MDK				557
84.1	84.6	0.5	CBSH					558
84.6	85.65	1.05	R					559
85.65	85.9	0.25	CBSH					560
85.9	86.1	0.2	R					561
86.1	86.35	0.25	CBSH					562
86.35	86.5	0.15	FAULT		Probable			563
86.5	86.65	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		564

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
86.65	89.15	2.5	R					565
89.15	89.35	0.2	CBSH					566
89.35	89.6	0.25	C	MDJ				567
89.6	89.9	0.3	CBSH					568
89.9	92.3	2.4	R					569
92.3	92.75	0.45	CR	MDK				570
92.75	93.2	0.45	DC	MDK				571
93.2	93.4	0.2	C	MDK				572
93.4	93.6	0.2	CR					573
93.6	93.7	0.1	CBSH					574
93.7	93.8	0.1	CR					575
93.8	93.9	0.1	CBSH					576
93.9	94.15	0.25	CR					577
94.15	95.75	1.6	R					578
95.75	96.1	0.35	CBSH					579
96.1	96.2	0.1	CR					580
96.2	96.3	0.1	CBSH					581
96.3	96.45	0.15	CR					582
96.45	97	0.55	CBSH					583
97	97.3	0.3	DC	MDL				584
97.3	97.85	0.55	C	MDL				585
97.85	98.2	0.35	DC	MDL				586
98.2	98.65	0.45	CBSH					587
98.65	98.9	0.25	R					588
98.9	99.05	0.15	FAULT		Probable			589
99.05	99.25	0.2	R		Starts in Gaylard	Normal stratigraphy		590
99.25	99.5	0.25	CBSH					591
99.5	100.5	1	R					592
100.5	101	0.5	CBSH					593
101	101.2	0.2	R					594
101.2	101.45	0.25	CBSH					595
101.45	101.6	0.15	CR	MDL				596
101.6	101.8	0.2	DC	MDL				597
101.8	102	0.2	CR	MDL				598
102	108.05	6.05	R					599
108.05	108.3	0.25	CR	MDM				600
108.3	121.75	13.45	R					601
121.75	122.15	0.4	CBSH					602
122.15	123.2	1.05	R					603
123.2	124	0.8	R	MCD				604
124	124.25	0.25	CBSH	MCD				605
124.25	124.5	0.25	R	MCD				606
124.5	124.7	0.2	CBSH	MCD				607
124.7	124.9	0.2	R	MCD				608
124.9	125.35	0.45	CR	MCD				609
125.35	126.1	0.75	R	MCD				610
126.1	129	2.9	R					611

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
129	129.15	0.15	CR					612
129.15	140.65	11.5	R					613
140.65	140.85	0.2	CBSH					614
140.85	141.55	0.7	C	MC				615
141.55	141.7	0.15	DC	MC				616
141.7	142.7	1	R					617
142.7	142.95	0.25	CR					618
142.95	143.2	0.25	CBSH					619
143.2	143.3	0.1	FAULT	WARGA	Probable			620
143.3	146	2.7	R		Starts in Gaylard	Normal stratigraphy		621
146	146.3	0.3	CBSH					622
146.3	147.15	0.85	R					623
147.15	147.35	0.2	CBSH					624
147.35	147.55	0.2	DC	MC				625
147.55	147.7	0.15	C	MC				626
147.7	147.8	0.1	CR	MC				627
147.8	148	0.2	FAULT		Probable			628
148	148.85	0.85	R		Starts in Gaylard	Normal stratigraphy		629
148.85	149.05	0.2	CBSH					630
149.05	149.15	0.1	DC	MC				631
149.15	149.75	0.6	C	MC				632
149.75	149.95	0.2	CBSH					633
149.95	150.65	0.7	R					634
150.65	151.3	0.65	CBSH					635
151.3	158.95	7.65	R					636
158.95	159.1	0.15	CBSH					637
159.1	160.05	0.95	R					638
160.05	160.2	0.15	CBSH					639
160.2	163.2	3	R					640
163.2	163.35	0.15	CR					641
163.35	164.3	0.95	R					642
164.3	164.4	0.1	CBSH					643
164.4	179	14.6	R					644
179	179.35	0.35	CBSH					645
179.35	188.7	9.35	R					646
188.7	188.9	0.2	CBSH					647
188.9	189.05	0.15	CR	CBA				648
189.05	189.25	0.2	CBSH					649
189.25	189.8	0.55	R					650
189.8	190.15	0.35	CBSH					651
190.15	190.4	0.25	R					652
190.4	190.55	0.15	CBSH					653
190.55	190.65	0.1	R					654
190.65	190.8	0.15	CBSH					655
190.8	192.5	1.7	R					656
192.5	192.6	0.1	CBSH					657
192.6	198.4	5.8	R					658

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
198.4	198.55	0.15	CBSH					659
198.55	199.05	0.5	R					660
199.05	199.2	0.15	CR	CBB				661
199.2	199.4	0.2	C	CBB				662
199.4	199.6	0.2	CR	CBB				663
199.6	216.35	16.75	R					664
216.35	216.55	0.2	CBSH					665
216.55	216.7	0.15	DC					666
216.7	217.35	0.65	CBSH					667
217.35	233.7	16.35	R					668
233.7	233.9	0.2	CBSH					669
233.9	241.65	7.75	R					670
241.65	241.85	0.2	CBSH					671
241.85	242.15	0.3	C	MM				672
242.15	242.65	0.5	R					673
242.65	242.8	0.15	CBSH					674
242.8	243.05	0.25	DC	CCA				675
243.05	243.2	0.15	C	CCA				676
243.2	243.6	0.4	DC	CCA				677
243.6	245.65	2.05	C	CCA				678
245.65	248.1	2.45	C	CCB				679
248.1	248.2	0.1	DC	CCB				680
248.2	248.4	0.2	CR	CCB				681
248.4	248.55	0.15	DC	CCB				682
248.55	250.45	1.9	R					683
250.45	250.65	0.2	DC	MB				684
250.65	250.85	0.2	C	MB				685
250.85	256.3	5.45	R					686
256.3	256.52	0.22	ND			No data		687
								688
BR21RC-02A							Dillon	689
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		690
0	79	79	ND			No data		691
								692
BR21RC-03							Brule	693
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		694
0	5.6	5.6	DRIFT	DRIFT				695
5.6	12.9	7.3	R		Starts in Gaylard	Normal stratigraphy		696
12.9	13.05	0.15	CBSH					697
13.05	13.7	0.65	R					698
13.7	14.85	1.15	C	CCA				699
14.85	15.05	0.2	DC	CCA				700
15.05	22.25	7.2	R					701
22.25	22.4	0.15	CR					702
22.4	24.25	1.85	C	CCB				703
24.25	24.4	0.15	CR	CCB				704
24.4	24.5	0.1	DC	CCB				705

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
24.5	24.6	0.1	CR	CCB				706
24.6	24.7	0.1	DC	CCB				707
24.7	25	0.3	CR	CCB				708
25	25.35	0.35	DC	CCB				709
25.35	25.55	0.2	CBSH					710
25.55	27.15	1.6	R					711
27.15	27.55	0.4	CBSH					712
27.55	27.8	0.25	CR	MB				713
27.8	28.6	0.8	C	MB				714
28.6	28.8	0.2	FAULT	WARGA	Possible			715
28.8	42.55	13.75	R		Starts in Gaylard	Normal stratigraphy		716
42.55	42.8	0.25	CBSH					717
42.8	42.9	0.1	FAULT		Possible			718
42.9	43.1	0.2	DC		Starts in Gaylard	Normal stratigraphy		719
43.1	43.2	0.1	C					720
43.2	43.4	0.2	CR					721
43.4	44.45	1.05	R					722
44.45	44.95	0.5	CBSH					723
44.95	45.1	0.15	CR					724
45.1	45.4	0.3	CBSH					725
45.4	45.7	0.3	CR					726
45.7	46.1	0.4	C	MAA				727
46.1	46.3	0.2	DC	MAA				728
46.3	46.6	0.3	C	MAA				729
46.6	46.9	0.3	DC	MAA				730
46.9	47.3	0.4	CBSH					731
47.3	47.4	0.1	CR					732
47.4	47.85	0.45	CBSH					733
47.85	50.7	2.85	R					734
50.7	51	0.3	CBSH					735
51	56.8	5.8	R					736
56.8	57.1	0.3	CR					737
57.1	60.75	3.65	R					738
60.75	60.9	0.15	IRST					739
60.9	62.1	1.2	R					740
62.1	62.3	0.2	CBSH					741
62.3	62.5	0.2	CR					742
62.5	63	0.5	CBSH					743
63	63.2	0.2	CR					744
63.2	63.9	0.7	CBSH					745
63.9	71.65	7.75	R					746
71.65	71.85	0.2	CBSH					747
71.85	80.2	8.35	R					748
80.2	80.4	0.2	CR					749
80.4	80.65	0.25	CBSH					750
80.65	85.3	4.65	R					751
85.3	85.6	0.3	CBSH					752

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
85.6	87.35	1.75	R					753
87.35	87.8	0.45	IRST					754
87.8	88	0.2	R					755
88	88.2	0.2	IRST					756
88.2	96.05	7.85	R					757
96.05	96.45	0.4	IRST					758
96.45	101.6	5.15	R					759
101.6	101.75	0.15	IRST					760
101.75	101.9	0.15	R					761
101.9	102	0.1	IRST					762
102	115.1	13.1	R					763
115.1	115.2	0.1	CBSH					764
115.2	124.6	9.4	R					765
124.6	125	0.4	CBSH					766
125	129.7	4.7	R					767
129.7	130.6	0.9	CBSH					768
130.6	131.2	0.6	R					769
131.2	131.4	0.2	CBSH					770
131.4	133	1.6	C	MA				771
133	133.15	0.15	DC	MAB				772
133.15	133.95	0.8	C	MAB				773
133.95	134.15	0.2	CR					774
134.15	135.1	0.95	R					775
135.1	135.55	0.45	IRST					776
135.55	139.3	3.75	R					777
139.3	139.5	0.2	CBSH					778
139.5	139.7	0.2	DC					779
139.7	139.9	0.2	C					780
139.9	140.05	0.15	CBSH					781
140.05	143.4	3.35	R					782
143.4	143.55	0.15	CBSH					783
143.55	143.95	0.4	CR					784
143.95	144.5	0.55	CBSH					785
144.5	150.3	5.8	R					786
150.3	150.5	0.2	CBSH					787
150.5	150.7	0.2	CR					788
150.7	151.15	0.45	CBSH					789
151.15	151.45	0.3	DC					790
151.45	155.35	3.9	R					791
155.35	155.9	0.55	C					792
155.9	156.1	0.2	CR					793
156.1	157.3	1.2	R					794
157.3	157.45	0.15	IRST					795
157.45	159.55	2.1	R					796
159.55	159.7	0.15	CBSH					797
159.7	159.9	0.2	DC					798
159.9	160.25	0.35	CR					799

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
160.25	164.15	3.9	R					800
164.15	164.5	0.35	IRST					801
164.5	173.5	9	R					802
173.5	173.75	0.25	CBSH					803
173.75	176.8	3.05	R					804
176.8	176.95	0.15	CBSH					805
176.95	178	1.05	R					806
178	178.6	0.6	CBSH					807
178.6	181.3	2.7	R					808
181.3	181.85	0.55	IRST					809
181.85	186.55	4.7	R					810
186.55	186.8	0.25	CBSH					811
186.8	186.9	0.1	CR					812
186.9	187.1	0.2	CBSH					813
187.1	202.4	15.3	R					814
202.4	202.65	0.25	CBSH					815
202.65	203.75	1.1	R					816
203.75	204.2	0.45	CBSH					817
204.2	218.05	13.85	R					818
218.05	218.15	0.1	CBSH					819
218.15	222.45	4.3	R					820
222.45	222.85	0.4	CR					821
222.85	227.4	4.55	R					822
227.4	227.5	0.1	CBSH					823
227.5	233.3	5.8	R					824
233.3	233.45	0.15	CBSH					825
233.45	252.1	18.65	R					826
252.1	252.45	0.35	IRST					827
252.45	256.45	4	R					828
256.45	262.35	5.9	R	Basal Sand				829
262.35	262.5	0.15	CR					830
262.5	262.65	0.15	CBSH					831
262.65	275.5	12.85	R					832
275.5	275.85	0.35	CR					833
275.85	279.8	3.95	R					834
279.8	279.95	0.15	CBSH					835
279.95	290.35	10.4	R					836
290.35	295.4	5.05	R	Cadomin				837
295.4	295.91	0.51	ND					838
								839
BR21RC-04							Brule	840
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		841
0	5.7	5.7	DRIFT	DRIFT				842
5.7	11	5.3	R		Starts in Gaylard	Normal stratigraphy		843
11	11.35	0.35	CR	MC				844
11.35	14.2	2.85	R					845
14.2	14.6	0.4	IRST					846

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
14.6	29.6	15	R					847
29.6	29.9	0.3	CBSH					848
29.9	30.1	0.2	C	CBA				849
30.1	30.3	0.2	CR					850
30.3	31.85	1.55	R					851
31.85	32.2	0.35	CBSH	CBB				852
32.2	33.9	1.7	R					853
33.9	34.15	0.25	CBSH					854
34.15	36.25	2.1	R					855
36.25	36.5	0.25	DC	MM				856
36.5	38	1.5	C	CCA				857
38	39.6	1.6	C	CCB				858
39.6	40.1	0.5	DC	CCB				859
40.1	40.3	0.2	CBSH					860
40.3	41.2	0.9	R					861
41.2	41.55	0.35	CBSH					862
41.55	41.65	0.1	CR	MB				863
41.65	41.75	0.1	FAULT		Possible			864
41.75	41.85	0.1	DC	MB	Starts in Gaylard	Normal stratigraphy		865
41.85	42	0.15	CR	MB				866
42	42.3	0.3	CBSH					867
42.3	45.2	2.9	R					868
45.2	45.5	0.3	IRST					869
45.5	45.7	0.2	R					870
45.7	46.1	0.4	CBSH					871
46.1	46.85	0.75	R					872
46.85	47.35	0.5	CBSH					873
47.35	47.75	0.4	R					874
47.75	48.1	0.35	CBSH					875
48.1	48.7	0.6	R					876
48.7	49	0.3	DC	MAA				877
49	49.2	0.2	CR	MAA				878
49.2	49.5	0.3	DC	MAA				879
49.5	51.8	2.3	R					880
51.8	52.25	0.45	CBSH					881
52.25	57.1	4.85	R					882
57.1	57.4	0.3	CBSH					883
57.4	64.5	7.1	R					884
64.5	64.8	0.3	CBSH					885
64.8	71.3	6.5	R					886
71.3	71.7	0.4	CBSH					887
71.7	74.6	2.9	R					888
74.6	74.8	0.2	FAULT	WILLOW CREEK	Established			889
74.8	75	0.2	DC	MAA	Starts in Gaylard	Normal stratigraphy		890
75	75.1	0.1	CR	MAA				891
75.1	75.25	0.15	DC	MAA				892

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
75.25	75.45	0.2	CBSH					893
75.45	85	9.55	R					894
85	85.4	0.4	CBSH					895
85.4	88.8	3.4	R					896
88.8	88.95	0.15	IRST					897
88.95	90.4	1.45	R					898
90.4	90.7	0.3	CBSH					899
90.7	92.8	2.1	R					900
92.8	92.9	0.1	CBSH					901
92.9	93.1	0.2	FAULT		Probable			902
93.1	93.25	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		903
93.25	94.9	1.65	R					904
94.9	95.95	1.05	CBSH					905
95.95	96.15	0.2	R					906
96.15	96.85	0.7	C	MAA				907
96.85	115.9	19.05	R					908
115.9	116.25	0.35	CBSH					909
116.25	116.4	0.15	FAULT	WARGA	Possible			910
116.4	117.15	0.75	CBSH		Starts in Gaylard	Normal stratigraphy		911
117.15	117.4	0.25	R					912
117.4	117.75	0.35	IRST					913
117.75	120.2	2.45	R					914
120.2	120.4	0.2	CBSH					915
120.4	120.6	0.2	DC	MAA				916
120.6	120.7	0.1	CBSH					917
120.7	122.45	1.75	R					918
122.45	122.8	0.35	CBSH					919
122.8	146.7	23.9	R					920
146.7	147.05	0.35	CBSH					921
147.05	147.3	0.25	R					922
147.3	147.65	0.35	IRST					923
147.65	154.5	6.85	R					924
154.5	154.7	0.2	CBSH					925
154.7	154.9	0.2	ASH					926
154.9	155.15	0.25	CBSH					927
155.15	158.15	3	R					928
158.15	158.85	0.7	CBSH					929
158.85	159.35	0.5	ND					930
								931
BR21RC-05							Brule	932
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		933
0	8.75	8.75	DRIFT	DRIFT				934
8.75	9	0.25	R		Starts in Gaylard	Normal stratigraphy		935
9	9.2	0.2	IRST					936
9.2	15.85	6.65	R					937
15.85	16.1	0.25	DC	CAA				938
16.1	16.55	0.45	C	CAA				939

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
16.55	16.7	0.15	CR					940
16.7	16.95	0.25	DC	CAB				941
16.95	18.3	1.35	C	CAB				942
18.3	18.55	0.25	C	MD				943
18.55	18.8	0.25	CBSH					944
18.8	19.15	0.35	R					945
19.15	19.5	0.35	CBSH					946
19.5	26.5	7	R					947
26.5	26.7	0.2	FAULT		Probable			948
26.7	32.9	6.2	R		Starts in Gaylard	Normal stratigraphy		949
32.9	33.2	0.3	CBSH	MDL				950
33.2	40.05	6.85	R					951
40.05	40.25	0.2	FAULT	LOWER RIDGE	Probable			952
40.25	49.95	9.7	R		Starts in Gaylard	Normal stratigraphy		953
49.95	50.15	0.2	CBSH					954
50.15	51.05	0.9	C	CAA				955
51.05	51.55	0.5	C	CAB				956
51.55	52	0.45	C	MD				957
52	52.2	0.2	CBSH					958
52.2	54.25	2.05	R					959
54.25	54.55	0.3	CBSH					960
54.55	55.2	0.65	R					961
55.2	55.6	0.4	CBSH					962
55.6	56.75	1.15	R					963
56.75	57.15	0.4	ASH					964
57.15	57.4	0.25	R					965
57.4	57.75	0.35	IRST					966
57.75	61.95	4.2	R					967
61.95	62.15	0.2	CBSH					968
62.15	62.4	0.25	C	MDK				969
62.4	62.6	0.2	CR	MDK				970
62.6	71.25	8.65	R					971
71.25	71.5	0.25	CR	MDL				972
71.5	71.75	0.25	C	MDL				973
71.75	71.9	0.15	CR	MDL				974
71.9	72.1	0.2	CBSH					975
72.1	72.2	0.1	FAULT		Established			976
72.2	75.35	3.15	R	MCD	Starts in Gaylard	Normal stratigraphy		977
75.35	76.5	1.15	R					978
76.5	77.35	0.85	CBSH					979
77.35	79.2	1.85	R					980
79.2	79.6	0.4	CBSH					981
79.6	80.4	0.8	R					982
80.4	80.55	0.15	CBSH					983
80.55	81.05	0.5	C	MC				984
81.05	81.2	0.15	CR					985

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
81.2	81.4	0.2	R					986
81.4	81.6	0.2	ASH					987
81.6	82.25	0.65	R					988
82.25	83.05	0.8	CBSH					989
83.05	88.45	5.4	R					990
88.45	88.8	0.35	CBSH					991
88.8	89.2	0.4	R					992
89.2	89.4	0.2	CBSH					993
89.4	90.15	0.75	R					994
90.15	90.3	0.15	IRST					995
90.3	93.65	3.35	R					996
93.65	93.8	0.15	CBSH					997
93.8	94	0.2	R					998
94	94.15	0.15	CBSH					999
94.15	94.95	0.8	R					1000
94.95	95.6	0.65	CBSH					1001
95.6	103.8	8.2	R					1002
103.8	104.05	0.25	IRST					1003
104.05	104.2	0.15	R					1004
104.2	104.35	0.15	CBSH					1005
104.35	111.9	7.55	R					1006
111.9	112.3	0.4	CBSH					1007
112.3	121.85	9.55	R					1008
121.85	121.9	0.05	CBSH					1009
121.9	122.4	0.5	ND					1010
								1011
BR21RC-06							Brule	1012
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1013
0	11.75	11.75	DRIFT	DRIFT				1014
11.75	12.2	0.45	IRST		Starts in Gaylard	Normal stratigraphy		1015
12.2	16.8	4.6	R					1016
16.8	17.1	0.3	IRST					1017
17.1	20.55	3.45	R					1018
20.55	20.8	0.25	CBSH					1019
20.8	22.95	2.15	R					1020
22.95	23.2	0.25	CBSH					1021
23.2	23.4	0.2	CR	MG				1022
23.4	23.85	0.45	CBSH	MG				1023
23.85	23.9	0.05	R	MG				1024
23.9	24.1	0.2	CBSH	MG				1025
24.1	24.35	0.25	CR	MG				1026
24.35	24.5	0.15	FAULT		Probable			1027
24.5	24.7	0.2	CBSH	MG	Starts in Gaylard	Normal stratigraphy		1028
24.7	24.85	0.15	R	MG				1029
24.85	25.4	0.55	CBSH	MG				1030
25.4	25.65	0.25	CR	MG				1031
25.65	25.8	0.15	CBSH					1032

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
25.8	33	7.2	R					1033
33	33.15	0.15	FAULT		Possible			1034
33.15	33.45	0.3	CBSH		Starts in Gaylard	Normal stratigraphy		1035
33.45	45	11.55	R					1036
45	45.45	0.45	CR	MEA				1037
45.45	46.75	1.3	R					1038
46.75	46.85	0.1	CBSH	MEB				1039
46.85	51.6	4.75	R					1040
51.6	51.9	0.3	CR					1041
51.9	52.55	0.65	C	CAA				1042
52.55	52.7	0.15	DC	CAB				1043
52.7	54.75	2.05	C	CAB				1044
54.75	54.95	0.2	DC	MD				1045
54.95	55	0.05	C	MD				1046
55	55.1	0.1	DC	MD				1047
55.1	55.8	0.7	C	MD				1048
55.8	56.05	0.25	CBSH					1049
56.05	56.8	0.75	R					1050
56.8	57.25	0.45	IRST					1051
57.25	58.55	1.3	R					1052
58.55	59.2	0.65	CBSH					1053
59.2	62.9	3.7	R					1054
62.9	63.1	0.2	CBSH	MDJ				1055
63.1	64.85	1.75	R					1056
64.85	65.15	0.3	CBSH	MDK				1057
65.15	71.4	6.25	R					1058
71.4	71.5	0.1	FAULT	LOWER RIDGE	Possible			1059
71.5	86	14.5	R		Starts in Gaylard	Normal stratigraphy		1060
86	86.2	0.2	CBSH					1061
86.2	87	0.8	C	CAA				1062
87	87.65	0.65	C	CAB				1063
87.65	90.85	3.2	R					1064
90.85	91	0.15	CBSH	MD				1065
91	92.1	1.1	R					1066
92.1	92.35	0.25	IRST					1067
92.35	92.8	0.45	R					1068
92.8	93.15	0.35	ASH					1069
93.15	96.55	3.4	R					1070
96.55	96.7	0.15	CBSH					1071
96.7	96.85	0.15	DC	MDK				1072
96.85	97.1	0.25	CR	MDK				1073
97.1	97.95	0.85	R					1074
97.95	98.1	0.15	CBSH					1075
98.1	102.6	4.5	R					1076
102.6	102.8	0.2	CBSH					1077
102.8	102.9	0.1	DC	MDL				1078

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
102.9	103.15	0.25	C	MDL				1079
103.15	103.4	0.25	CR	MDL				1080
103.4	103.7	0.3	R					1081
103.7	103.9	0.2	CBSH					1082
103.9	104	0.1	CR	MDM				1083
104	104.3	0.3	DC	MDM				1084
104.3	104.55	0.25	C	MDM				1085
104.55	104.7	0.15	CBSH					1086
104.7	108.2	3.5	R					1087
108.2	108.8	0.6	CBSH					1088
108.8	109.1	0.3	R					1089
109.1	109.2	0.1	ASH					1090
109.2	109.7	0.5	R					1091
109.7	109.75	0.05	CBSH					1092
109.75	109.8	0.05	ASH					1093
109.8	111.5	1.7	R					1094
111.5	111.95	0.45	C	MC				1095
111.95	112.2	0.25	CBSH					1096
112.2	112.8	0.6	R					1097
112.8	113.3	0.5	CBSH					1098
113.3	119.2	5.9	R					1099
119.2	119.6	0.4	CBSH					1100
119.6	121	1.4	R					1101
121	121.35	0.35	CBSH					1102
121.35	121.85	0.5	ND					1103
								1104
BR21RC-07							Brule	1105
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1106
0	9.3	9.3	DRIFT	DRIFT				1107
9.3	12.05	2.75	R		Starts in Gaylard	Normal stratigraphy		1108
12.05	12.4	0.35	CBSH					1109
12.4	12.6	0.2	CR					1110
12.6	13.55	0.95	C	CBA				1111
13.55	13.75	0.2	DC	CBA				1112
13.75	14.15	0.4	CR					1113
14.15	14.4	0.25	CBSH					1114
14.4	27.3	12.9	R					1115
27.3	28.25	0.95	CBSH	CBB				1116
28.25	42.8	14.55	R					1117
42.8	43.15	0.35	CBSH					1118
43.15	56.25	13.1	R					1119
56.25	56.6	0.35	DC	MM				1120
56.6	58.85	2.25	C	CCA				1121
58.85	59.25	0.4	DC	CCA				1122
59.25	59.5	0.25	CR					1123
59.5	87.55	28.05	R					1124
87.55	87.8	0.25	DC	CCB				1125

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
87.8	89.1	1.3	C	CCB				1126
89.1	89.3	0.2	DC	CCB				1127
89.3	89.4	0.1	CR					1128
89.4	89.6	0.2	CBSH					1129
89.6	101	11.4	R					1130
101	101.6	0.6	CBSH					1131
101.6	102.2	0.6	CR	MB				1132
102.2	102.8	0.6	DC	MB				1133
102.8	103.25	0.45	CR	MB				1134
103.25	103.5	0.25	CBSH					1135
103.5	103.75	0.25	R					1136
103.75	104.1	0.35	FAULT	WARGA	Probable			1137
104.1	104.11	0.01	FOLD		Starts in Gaylard	Normal / Inverted		1138
104.11	104.45	0.34	CBSH			Inverted stratigraphy		1139
104.45	105.2	0.75	CR	MB				1140
105.2	105.5	0.3	DC	MB				1141
105.5	106.5	1	C	MB				1142
106.5	106.85	0.35	DC	MB				1143
106.85	107.9	1.05	CR	MB				1144
107.9	108.2	0.3	CBSH	MB				1145
108.2	108.55	0.35	CR	MB				1146
108.55	108.8	0.25	CBSH					1147
108.8	125.7	16.9	R					1148
125.7	125.8	0.1	FAULT		Possible			1149
125.8	142.6	16.8	R		Starts in Gaylard	Inverted stratigraphy		1150
142.6	142.9	0.3	CR					1151
142.9	143.3	0.4	C	CCA				1152
143.3	143.5	0.2	FAULT		Possible			1153
143.5	143.6	0.1	DC	CCA	Starts in Gaylard	Inverted stratigraphy		1154
143.6	144.35	0.75	C	CCA				1155
144.35	144.8	0.45	CBSH					1156
144.8	145.1	0.3	FAULT		Possible			1157
145.1	145.6	0.5	C	CCA	Starts in Gaylard	Inverted stratigraphy		1158
145.6	146	0.4	ND					1159
								1160
BR21RC-08							Brule	1161
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1162
0	5.2	5.2	DRIFT	DRIFT				1163
5.2	5.75	0.55	R		Starts in Gaylard	Normal stratigraphy		1164
5.75	5.9	0.15	IRST					1165
5.9	7.5	1.6	R					1166
7.5	7.7	0.2	CBSH					1167
7.7	8	0.3	CR	MB				1168
8	8.15	0.15	CBSH	MB				1169

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
8.15	8.3	0.15	CR	MB				1170
8.3	8.6	0.3	CBSH					1171
8.6	14.3	5.7	R					1172
14.3	14.5	0.2	CBSH					1173
14.5	15	0.5	DC	MAA				1174
15	15.4	0.4	CR	MAA				1175
15.4	15.55	0.15	DC	MAA				1176
15.55	15.8	0.25	CBSH					1177
15.8	38.85	23.05	R					1178
38.85	39.2	0.35	CBSH					1179
39.2	44.5	5.3	R					1180
44.5	45.05	0.55	IRST					1181
45.05	50.4	5.35	R					1182
50.4	51.3	0.9	CBSH					1183
51.3	56.6	5.3	R					1184
56.6	56.8	0.2	IRST					1185
56.8	57.4	0.6	R					1186
57.4	57.65	0.25	CBSH					1187
57.65	57.95	0.3	CR					1188
57.95	58.2	0.25	CBSH					1189
58.2	58.5	0.3	R					1190
58.5	58.95	0.45	CBSH					1191
58.95	63	4.05	R					1192
63	65.15	2.15	CBSH					1193
65.15	65.5	0.35	CR					1194
65.5	66.55	1.05	C	MA				1195
66.55	66.7	0.15	DC	MA				1196
66.7	67.4	0.7	C	MA				1197
67.4	67.7	0.3	CR					1198
67.7	76.05	8.35	R					1199
76.05	76.3	0.25	CBSH					1200
76.3	76.6	0.3	DC	MAL				1201
76.6	76.8	0.2	CBSH					1202
76.8	101.95	25.15	R					1203
101.95	102.1	0.15	CR	MAP				1204
102.1	102.4	0.3	CBSH					1205
102.4	105.9	3.5	R					1206
105.9	106.4	0.5	IRST					1207
106.4	106.6	0.2	CBSH					1208
106.6	106.8	0.2	C	MAR				1209
106.8	107.1	0.3	CR	MAR				1210
107.1	119.85	12.75	R					1211
119.85	120	0.15	IRST					1212
120	140.9	20.9	R					1213
140.9	141.3	0.4	ND					1214
								1215

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
BR21RC-09							Brule	1216
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1217
0	9.04	9.04	DRIFT	DRIFT				1218
9.04	19.55	10.51	R		Starts in Gaylard	Normal stratigraphy		1219
19.55	19.95	0.4	CBSH					1220
19.95	20.3	0.35	R					1221
20.3	20.5	0.2	CBSH					1222
20.5	20.65	0.15	DC	MAL				1223
20.65	20.9	0.25	C	MAL				1224
20.9	21.2	0.3	CBSH					1225
21.2	23.05	1.85	R					1226
23.05	23.3	0.25	CBSH	MAP				1227
23.3	23.5	0.2	CR					1228
23.5	24.5	1	R					1229
24.5	24.95	0.45	CBSH					1230
24.95	42.7	17.75	R					1231
42.7	43.05	0.35	IRST					1232
43.05	65.95	22.9	R					1233
65.95	66.35	0.4	CBSH	MAR				1234
66.35	75.05	8.7	R					1235
75.05	75.8	0.75	CBSH					1236
75.8	79.4	3.6	R					1237
79.4	79.85	0.45	IRST					1238
79.85	80.9	1.05	R					1239
80.9	81.4	0.5	IRST					1240
81.4	89.1	7.7	R					1241
89.1	99.2	10.1	R		Top of Basal Sand			1242
99.2	100	0.8	CBSH					1243
100	102.5	2.5	R					1244
102.5	102.85	0.35	CBSH					1245
102.85	109.8	6.95	R					1246
109.8	110.15	0.35	CBSH					1247
110.15	113.15	3	R					1248
113.15	128.8	15.65	R		Top of Cadomin			1249
128.8	132.1	3.3	R		Top of Minnes			1250
132.1	132.5	0.4	CBSH					1251
132.5	133.25	0.75	R					1252
133.25	133.4	0.15	CBSH					1253
133.4	140.7	7.3	R					1254
140.7	141.2	0.5	ND					1255
								1256
BR21RC-10							Brule	1257
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1258
0	11.65	11.65	DRIFT	DRIFT				1259
11.65	16.2	4.55	R		Starts in Gaylard	Normal stratigraphy		1260
16.2	16.5	0.3	CBSH					1261
16.5	17.2	0.7	R					1262

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
17.2	17.45	0.25	CBSH					1263
17.45	19.3	1.85	R					1264
19.3	19.5	0.2	CBSH					1265
19.5	19.65	0.15	FAULT		Possible			1266
19.65	19.75	0.1	CR		Starts in Gaylard	Normal stratigraphy		1267
19.75	19.95	0.2	DC					1268
19.95	20.1	0.15	CBSH					1269
20.1	26	5.9	R					1270
26	26.4	0.4	CBSH					1271
26.4	26.65	0.25	R					1272
26.65	26.95	0.3	CBSH					1273
26.95	27.15	0.2	CR					1274
27.15	27.5	0.35	CBSH					1275
27.5	29.75	2.25	R					1276
29.75	29.9	0.15	FAULT		Possible			1277
29.9	30.1	0.2	CBSH		Starts in Gaylard	Normal stratigraphy		1278
30.1	30.3	0.2	DC					1279
30.3	30.4	0.1	CBSH					1280
30.4	30.7	0.3	R					1281
30.7	31.45	0.75	CBSH					1282
31.45	31.65	0.2	CR					1283
31.65	31.8	0.15	C	MA				1284
31.8	31.9	0.1	DC	MA				1285
31.9	32.05	0.15	C	MA				1286
32.05	32.2	0.15	DC	MA				1287
32.2	32.7	0.5	C	MA				1288
32.7	32.8	0.1	DC	MA				1289
32.8	33	0.2	C	MA				1290
33	33.2	0.2	DC	MA				1291
33.2	33.5	0.3	CR					1292
33.5	33.75	0.25	CBSH					1293
33.75	34.5	0.75	R					1294
34.5	34.8	0.3	CBSH					1295
34.8	34.9	0.1	CR					1296
34.9	35.1	0.2	CBSH					1297
35.1	35.3	0.2	CR					1298
35.3	35.5	0.2	DC					1299
35.5	35.6	0.1	CBSH					1300
35.6	37.7	2.1	R					1301
37.7	38.15	0.45	CBSH	MAL				1302
38.15	43.1	4.95	R					1303
43.1	43.45	0.35	CBSH					1304
43.45	54.2	10.75	R					1305
54.2	55.7	1.5	CBSH	MAP				1306
55.7	55.8	0.1	R					1307
55.8	55.9	0.1	ASH					1308
55.9	57.05	1.15	R					1309

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
57.05	57.55	0.5	CBSH					1310
57.55	73.6	16.05	R					1311
73.6	73.85	0.25	CBSH					1312
73.85	74	0.15	DC	MAR				1313
74	74.25	0.25	C	MAR				1314
74.25	74.6	0.35	FAULT	WARGA	Probable			1315
74.6	82.6	8	R		Starts in Gaylard	Normal stratigraphy		1316
82.6	82.85	0.25	DC	MC				1317
82.85	83.05	0.2	CR	MC				1318
83.05	83.5	0.45	R					1319
83.5	83.85	0.35	CBSH					1320
83.85	86.45	2.6	R					1321
86.45	86.6	0.15	CBSH					1322
86.6	92.3	5.7	R					1323
92.3	93.25	0.95	CBSH	MCM				1324
93.25	93.8	0.55	R					1325
93.8	94.05	0.25	CBSH	MCN				1326
94.05	101.9	7.85	R					1327
101.9	102.2	0.3	IRST					1328
102.2	102.3	0.1	FAULT		Possible			1329
102.3	102.8	0.5	CBSH		Starts in Gaylard	Normal stratigraphy		1330
102.8	103	0.2	CR					1331
103	103.1	0.1	CBSH	MC				1332
103.1	108.9	5.8	R					1333
108.9	109.1	0.2	CBSH					1334
109.1	115.8	6.7	R					1335
115.8	116	0.2	DC	MCM				1336
116	116.2	0.2	CR	MCM				1337
116.2	118.15	1.95	R					1338
118.15	118.3	0.15	CBSH	MCN				1339
118.3	126.2	7.9	R					1340
126.2	126.4	0.2	CR					1341
126.4	126.5	0.1	DC	CBA				1342
126.5	126.9	0.4	C					1343
126.9	127.1	0.2	CBSH					1344
127.1	128.6	1.5	R					1345
128.6	128.9	0.3	C	CBB				1346
128.9	129.15	0.25	CR					1347
129.15	131.2	2.05	R					1348
131.2	131.5	0.3	CBSH					1349
131.5	136.5	5	R					1350
136.5	136.6	0.1	CBSH					1351
136.6	136.75	0.15	FAULT		Possible			1352
136.75	137.15	0.4	CBSH		Starts in Gaylard	Normal stratigraphy		1353
137.15	137.55	0.4	CR					1354
137.55	151.9	14.35	R					1355
151.9	152.1	0.2	CBSH	MM				1356

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
152.1	152.85	0.75	C	CCA				1357
152.85	152.95	0.1	DC	CCA				1358
152.95	153.2	0.25	C	CCA				1359
153.2	153.6	0.4	DC	CCB				1360
153.6	154.7	1.1	C	CCB				1361
154.7	154.8	0.1	DC	CCB				1362
154.8	155	0.2	FAULT		Probable			1363
155	155.3	0.3	DC	CCB	Starts in Gaylard	Normal stratigraphy		1364
155.3	155.5	0.2	CBSH					1365
155.5	160.05	4.55	R					1366
160.05	160.25	0.2	CBSH	MB				1367
160.25	160.5	0.25	CR	MB				1368
160.5	160.95	0.45	R					1369
160.95	161.05	0.1	CBSH					1370
161.05	165.3	4.25	R					1371
165.3	165.5	0.2	CBSH					1372
165.5	165.6	0.1	CR					1373
165.6	166.3	0.7	CBSH					1374
166.3	166.65	0.35	C	MAA				1375
166.65	167.9	1.25	DC	MAA				1376
167.9	168.8	0.9	CBSH					1377
168.8	171.05	2.25	R					1378
171.05	171.2	0.15	CBSH					1379
171.2	176.1	4.9	R					1380
176.1	176.35	0.25	IRST					1381
176.35	177.75	1.4	R					1382
177.75	177.9	0.15	CBSH					1383
177.9	179.1	1.2	R					1384
179.1	179.3	0.2	CBSH					1385
179.3	181.1	1.8	R					1386
181.1	181.2	0.1	CBSH					1387
181.2	181.5	0.3	CR					1388
181.5	186.6	5.1	R					1389
186.6	187.5	0.9	CBSH					1390
187.5	190.6	3.1	R					1391
190.6	191	0.4	IRST					1392
191	195	4	R					1393
195	195.15	0.15	CBSH					1394
195.15	195.3	0.15	CR					1395
195.3	195.5	0.2	CBSH					1396
195.5	202.75	7.25	R					1397
202.75	202.85	0.1	FAULT		Possible			1398
202.85	203.1	0.25	CR		Starts in Gaylard	Normal stratigraphy		1399
203.1	203.3	0.2	CBSH					1400
203.3	203.5	0.2	ASH					1401
203.5	204.35	0.85	R					1402
204.35	204.8	0.45	CBSH					1403

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
204.8	206.15	1.35	R					1404
206.15	206.6	0.45	IRST					1405
206.6	213.7	7.1	R					1406
213.7	213.9	0.2	IRST					1407
213.9	214.95	1.05	R					1408
214.95	215.25	0.3	IRST					1409
215.25	237.4	22.15	R					1410
237.4	237.6	0.2	CBSH					1411
237.6	238.1	0.5	R					1412
238.1	238.4	0.3	CBSH					1413
238.4	241.85	3.45	R					1414
241.85	242.95	1.1	CBSH					1415
242.95	243.5	0.55	C	MA				1416
243.5	243.7	0.2	DC	MA				1417
243.7	243.95	0.25	C	MA				1418
243.95	244.2	0.25	CBSH					1419
244.2	249.3	5.1	R					1420
249.3	249.6	0.3	CR	MAL				1421
249.6	249.7	0.1	CBSH					1422
249.7	253.4	3.7	R					1423
253.4	253.75	0.35	CBSH					1424
253.75	254.15	0.4	R					1425
254.15	254.5	0.35	CBSH					1426
254.5	259.8	5.3	R					1427
259.8	260	0.2	CBSH					1428
260	260.2	0.2	CR	MAP				1429
260.2	260.35	0.15	CBSH					1430
260.35	265.2	4.85	R					1431
265.2	265.35	0.15	CBSH					1432
265.35	265.55	0.2	C	MAR				1433
265.55	265.85	0.3	DC	MAR				1434
265.85	266.05	0.2	CBSH					1435
266.05	266.2	0.15	R					1436
266.2	266.44	0.24	ND					1437
								1438
BR21RC-11							Brule	1439
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1440
0	5.6	5.6	DRIFT	DRIFT				1441
5.6	10.5	4.9	R		Starts in Gaylard	Normal stratigraphy		1442
10.5	11.3	0.8	CBSH					1443
11.3	12.4	1.1	R					1444
12.4	12.6	0.2	CBSH					1445
12.6	12.7	0.1	CR					1446
12.7	12.85	0.15	DC	MA				1447
12.85	13.3	0.45	C	MA				1448
13.3	13.5	0.2	DC	MA				1449
13.5	14.05	0.55	CR	MA				1450

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
14.05	14.15	0.1	DC	MA				1451
14.15	14.25	0.1	CR	MA				1452
14.25	14.45	0.2	DC	MA				1453
14.45	14.65	0.2	CBSH					1454
14.65	18.5	3.85	R					1455
18.5	19.45	0.95	CBSH					1456
19.45	19.7	0.25	CR					1457
19.7	20.2	0.5	R					1458
20.2	20.6	0.4	DC					1459
20.6	21.85	1.25	R					1460
21.85	22.05	0.2	CBSH	MAL				1461
22.05	22.2	0.15	DC	MAL				1462
22.2	22.4	0.2	CBSH	MAL				1463
22.4	25.2	2.8	R					1464
25.2	25.85	0.65	CBSH	MAP				1465
25.85	26	0.15	CR	MAP				1466
26	26.2	0.2	CBSH	MAP				1467
26.2	27.5	1.3	R					1468
27.5	27.8	0.3	CBSH					1469
27.8	52.35	24.55	R					1470
52.35	52.7	0.35	CR					1471
52.7	67.85	15.15	R					1472
67.85	68.35	0.5	CBSH					1473
68.35	68.45	0.1	ASH					1474
68.45	68.7	0.25	CBSH					1475
68.7	102	33.3	R					1476
102	107.8	5.8	R	Basal_Sand top				1477
107.8	108	0.2	CBSH					1478
108	108.15	0.15	DC					1479
108.15	108.3	0.15	CBSH					1480
108.3	111.25	2.95	R					1481
111.25	111.6	0.35	CBSH					1482
111.6	126.65	15.05	R					1483
126.65	127	0.35	CBSH					1484
127	128.1	1.1	R					1485
128.1	136.2	8.1	R	Cadomin top				1486
136.2	137.7	1.5	R	Minnes Top				1487
137.7	137.95	0.25	CR					1488
137.95	138.3	0.35	CBSH					1489
138.3	138.7	0.4	C					1490
138.7	138.85	0.15	CBSH					1491
138.85	140.9	2.05	R					1492
140.9	141.2	0.3	CBSH					1493
141.2	141.7	0.5	R					1494
141.7	141.95	0.25	CBSH					1495
141.95	145.8	3.85	R					1496

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
145.8	146	0.2	ND					1497
								1498
BR21RC-12							Dillon	1499
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1500
0	11.8	11.8	DRIFT	DRIFT				1501
11.8	48	36.2	R		Starts in Gaylard	Normal stratigraphy		1502
48	48.15	0.15	ASH					1503
48.15	48.2	0.05	R					1504
48.2	48.4	0.2	ASH					1505
48.4	48.8	0.4	R					1506
48.8	49.2	0.4	CBSH					1507
49.2	49.6	0.4	CR	MG				1508
49.6	50.55	0.95	CBSH					1509
50.55	53.9	3.35	R					1510
53.9	54.2	0.3	CBSH					1511
54.2	58.6	4.4	R					1512
58.6	59	0.4	CBSH					1513
59	59.3	0.3	CR	MF				1514
59.3	59.8	0.5	CBSH					1515
59.8	70.15	10.35	R					1516
70.15	70.35	0.2	C	MEA				1517
70.35	70.5	0.15	DC	MEA				1518
70.5	70.6	0.1	CBSH					1519
70.6	70.7	0.1	ASH					1520
70.7	71	0.3	R					1521
71	71.4	0.4	CBSH	MEB				1522
71.4	85.2	13.8	R					1523
85.2	85.55	0.35	DC	CAA				1524
85.55	88	2.45	C	CAA				1525
88	89.5	1.5	C	CAB				1526
89.5	89.75	0.25	DC	CAB				1527
89.75	90.15	0.4	CR					1528
90.15	91.8	1.65	C	MD				1529
91.8	92.15	0.35	DC	MD				1530
92.15	92.6	0.45	R					1531
92.6	92.95	0.35	CBSH					1532
92.95	93.4	0.45	R					1533
93.4	93.6	0.2	CBSH					1534
93.6	93.8	0.2	CR	MDH				1535
93.8	94.2	0.4	CBSH					1536
94.2	94.6	0.4	R					1537
94.6	94.9	0.3	CR	MDJ				1538
94.9	95.3	0.4	CBSH					1539
95.3	95.65	0.35	R					1540
95.65	96.15	0.5	CBSH	MDK				1541
96.15	96.5	0.35	R					1542
96.5	96.85	0.35	IRST					1543

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
96.85	97.2	0.35	R					1544
97.2	97.6	0.4	CBSH					1545
97.6	100.4	2.8	R					1546
100.4	100.65	0.25	CBSH					1547
100.65	100.85	0.2	C	MDL				1548
100.85	101	0.15	CBSH					1549
101	118.6	17.6	R					1550
118.6	118.9	0.3	IRST					1551
118.9	119	0.1	R					1552
119	119.6	0.6	CBSH	MDM				1553
119.6	126.2	6.6	R					1554
126.2	126.5	0.3	IRST					1555
126.5	137.35	10.85	R					1556
137.35	137.9	0.55	CBSH					1557
137.9	138.3	0.4	C	MC				1558
138.3	138.6	0.3	CBSH					1559
138.6	143.6	5	R					1560
143.6	143.85	0.25	CBSH					1561
143.85	144	0.15	CR	MCL				1562
144	144.2	0.2	CBSH					1563
144.2	157.05	12.85	R					1564
157.05	157.3	0.25	CBSH					1565
157.3	158.1	0.8	C	CBA				1566
158.1	158.4	0.3	DC	CBB				1567
158.4	158.85	0.45	C	CBB				1568
158.85	159	0.15	CR					1569
159	167.4	8.4	R					1570
167.4	167.65	0.25	CBSH					1571
167.65	169.45	1.8	C	CCA				1572
169.45	169.55	0.1	DC	CCA				1573
169.55	169.8	0.25	CR					1574
169.8	171.25	1.45	C	CCB				1575
171.25	171.45	0.2	CBSH					1576
171.45	171.8	0.35	R					1577
171.8	172.1	0.3	CBSH					1578
172.1	173.5	1.4	R					1579
173.5	173.7	0.2	CR	MB				1580
173.7	173.9	0.2	CBSH	MB				1581
173.9	175.95	2.05	R					1582
175.95	176.3	0.35	CBSH					1583
176.3	183	6.7	R					1584
183	183.2	0.2	CBSH	MAA				1585
183.2	183.65	0.45	ND					1586
								1587
BR21RC-13							Dillon	1588
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1589
0	18	18	DRIFT	DRIFT				1590

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
18	19	1	R		Starts in Gaylard	Normal stratigraphy		1591
19	19.15	0.15	CBSH					1592
19.15	20.1	0.95	R					1593
20.1	20.7	0.6	CBSH	MDJ				1594
20.7	22.5	1.8	R					1595
22.5	22.65	0.15	CBSH					1596
22.65	22.85	0.2	CR	MDK				1597
22.85	23.15	0.3	CBSH					1598
23.15	24	0.85	R					1599
24	24.65	0.65	CBSH	MDL				1600
24.65	43.1	18.45	R					1601
43.1	43.55	0.45	CBSH					1602
43.55	43.65	0.1	CR	MDM				1603
43.65	44.6	0.95	CBSH					1604
44.6	47.6	3	R					1605
47.6	47.7	0.1	CBSH					1606
47.7	57.3	9.6	R					1607
57.3	57.5	0.2	CBSH					1608
57.5	57.7	0.2	CR					1609
57.7	60.15	2.45	R					1610
60.15	60.6	0.45	CR					1611
60.6	61	0.4	CBSH					1612
61	61.2	0.2	CR					1613
61.2	62.2	1	C	MC				1614
62.2	62.5	0.3	DC	MC				1615
62.5	62.7	0.2	CR					1616
62.7	64.2	1.5	R					1617
64.2	64.35	0.15	ASH					1618
64.35	64.4	0.05	R					1619
64.4	64.5	0.1	ASH					1620
64.5	65.3	0.8	R					1621
65.3	65.85	0.55	CBSH					1622
65.85	74.2	8.35	R					1623
74.2	74.4	0.2	CR	MCL				1624
74.4	74.55	0.15	DC	MCL				1625
74.55	74.75	0.2	CBSH					1626
74.75	75.1	0.35	R					1627
75.1	75.85	0.75	CBSH					1628
75.85	91.2	15.35	R					1629
91.2	91.35	0.15	CBSH	MCM				1630
91.35	108.8	17.45	R					1631
108.8	109.05	0.25	DC	CBA				1632
109.05	111.8	2.75	C	CBA				1633
111.8	111.9	0.1	DC	CBB				1634
111.9	114.55	2.65	C	CBB				1635
114.55	115	0.45	CR					1636
115	115.2	0.2	CBSH					1637

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
115.2	122.3	7.1	R					1638
122.3	122.78	0.48	ND					1639
								1640
BR21RC-14							Dillon	1641
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1642
0	5.5	5.5	DRIFT	DRIFT	Starts in Gaylard	Normal stratigraphy		1643
5.5	5.95	0.45	R					1644
5.95	6.4	0.45	CBSH					1645
6.4	6.65	0.25	R					1646
6.65	6.8	0.15	CBSH					1647
6.8	6.9	0.1	CR					1648
6.9	7.3	0.4	DC	MF				1649
7.3	7.5	0.2	CR					1650
7.5	7.65	0.15	CBSH					1651
7.65	7.8	0.15	CR					1652
7.8	12.8	5	R					1653
12.8	13	0.2	CR					1654
13	13.25	0.25	DC	MEA				1655
13.25	13.35	0.1	CR					1656
13.35	13.5	0.15	DC	MEB				1657
13.5	13.7	0.2	CBSH					1658
13.7	28.5	14.8	R					1659
28.5	28.7	0.2	CBSH					1660
28.7	28.95	0.25	DC	CAA				1661
28.95	29.8	0.85	C	CAA				1662
29.8	30.5	0.7	C	CAB				1663
30.5	30.8	0.3	CR					1664
30.8	31.3	0.5	CBSH					1665
31.3	31.6	0.3	DC	MD				1666
31.6	32.4	0.8	C	MD				1667
32.4	32.65	0.25	CR					1668
32.65	33.05	0.4	CBSH					1669
33.05	33.4	0.35	CR	MDH				1670
33.4	33.65	0.25	CBSH					1671
33.65	35.7	2.05	R					1672
35.7	36.2	0.5	CBSH	MDJ				1673
36.2	39.8	3.6	R					1674
39.8	40.25	0.45	CBSH	MDK				1675
40.25	48.95	8.7	R					1676
48.95	49.2	0.25	CBSH	MDL				1677
49.2	55	5.8	R					1678
55	55.4	0.4	IRST					1679
55.4	55.6	0.2	R					1680
55.6	55.9	0.3	CBSH	MDM				1681
55.9	68.2	12.3	R					1682
68.2	72.5	4.3	R	MCD				1683
72.5	72.6	0.1	FAULT		Possible			1684

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
72.6	73.65	1.05	R	MCD	Starts in Gaylard	Normal stratigraphy		1685
73.65	75.2	1.55	R					1686
75.2	75.6	0.4	IRST					1687
75.6	77.3	1.7	R					1688
77.3	77.7	0.4	CR					1689
77.7	78.05	0.35	CBSH					1690
78.05	78.3	0.25	CR					1691
78.3	78.75	0.45	C	MC				1692
78.75	79.2	0.45	DC	MC				1693
79.2	79.8	0.6	R					1694
79.8	79.95	0.15	CBSH					1695
79.95	80.1	0.15	ASH					1696
80.1	80.35	0.25	R					1697
80.35	80.5	0.15	CBSH					1698
80.5	80.65	0.15	CR	MCB				1699
80.65	81.35	0.7	CBSH					1700
81.35	86.6	5.25	R					1701
86.6	86.85	0.25	CBSH					1702
86.85	87	0.15	DC	MCL				1703
87	87.15	0.15	CR	MCL				1704
87.15	87.6	0.45	CBSH					1705
87.6	89.2	1.6	R					1706
89.2	89.5	0.3	CBSH					1707
89.5	94.4	4.9	R					1708
94.4	94.8	0.4	CBSH					1709
94.8	97.6	2.8	R					1710
97.6	97.8	0.2	CR	MCM				1711
97.8	98	0.2	CBSH	MCM				1712
98	107.55	9.55	R					1713
107.55	107.75	0.2	DC	CBA				1714
107.75	109.1	1.35	C	CBA				1715
109.1	109.45	0.35	DC	CBB				1716
109.45	110.5	1.05	C	CBB				1717
110.5	110.75	0.25	CR					1718
110.75	111.1	0.35	CBSH					1719
111.1	119.85	8.75	R					1720
119.85	120.05	0.2	CBSH					1721
120.05	123.1	3.05	C	CCA				1722
123.1	125.7	2.6	C	CCB				1723
125.7	125.9	0.2	DC	CCB				1724
125.9	126.05	0.15	CR					1725
126.05	126.2	0.15	R					1726
126.2	126.85	0.65	CBSH					1727
126.85	127.05	0.2	CR	MB				1728
127.05	127.6	0.55	DC	MB				1729
127.6	128.05	0.45	C	MB				1730
128.05	128.5	0.45	CBSH					1731

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
128.5	133.1	4.6	R					1732
133.1	133.25	0.15	CBSH					1733
133.25	134.87	1.62	ND					1734
								1735
BR21RC-15							Brule	1736
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1737
0	10.2	10.2	DRIFT	DRIFT	Starts in Gaylard	Normal stratigraphy		1738
10.2	10.7	0.5	R					1739
10.7	12	1.3	CBSH					1740
12	12.1	0.1	ASH					1741
12.1	12.15	0.05	DC					1742
12.15	12.25	0.1	CBSH					1743
12.25	12.5	0.25	CR					1744
12.5	14	1.5	R					1745
14	15	1	CBSH					1746
15	15.7	0.7	R					1747
15.7	16.05	0.35	CBSH					1748
16.05	16.3	0.25	R					1749
16.3	17.05	0.75	CBSH					1750
17.05	17.6	0.55	R					1751
17.6	18.15	0.55	CBSH					1752
18.15	18.7	0.55	R					1753
18.7	19.2	0.5	CBSH					1754
19.2	19.6	0.4	R					1755
19.6	19.85	0.25	FAULT		Possible			1756
19.85	20.1	0.25	R		Starts in Gaylard	Normal stratigraphy		1757
20.1	20.4	0.3	CBSH					1758
20.4	20.7	0.3	R					1759
20.7	20.8	0.1	CBSH					1760
20.8	21	0.2	DC					1761
21	21.1	0.1	CBSH					1762
21.1	22.3	1.2	R					1763
22.3	22.5	0.2	CBSH					1764
22.5	26.5	4	R					1765
26.5	26.7	0.2	C					1766
26.7	27	0.3	CR					1767
27	27.2	0.2	C					1768
27.2	27.3	0.1	CR					1769
27.3	27.6	0.3	FAULT		Probable			1770
27.6	27.9	0.3	CBSH		Starts in Gaylard	Normal stratigraphy		1771
27.9	28.15	0.25	CR					1772
28.15	28.35	0.2	DC					1773
28.35	28.7	0.35	CBSH					1774
28.7	28.95	0.25	CR					1775
28.95	29.2	0.25	CBSH					1776
29.2	30.5	1.3	R					1777
30.5	30.7	0.2	CBSH					1778

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
30.7	31.1	0.4	CR					1779
31.1	31.4	0.3	CBSH					1780
31.4	31.6	0.2	FAULT		Probable			1781
31.6	31.8	0.2	CR		Starts in Gaylard	Normal stratigraphy		1782
31.8	32.45	0.65	CBSH					1783
32.45	32.55	0.1	CR					1784
32.55	32.7	0.15	DC	MA				1785
32.7	32.95	0.25	C	MA				1786
32.95	33.5	0.55	DC	MA				1787
33.5	34.3	0.8	C	MA				1788
34.3	34.7	0.4	CBSH	MA				1789
34.7	34.9	0.2	DC	MA				1790
34.9	35.2	0.3	C	MA				1791
35.2	35.3	0.1	DC	MA				1792
35.3	35.45	0.15	C	MA				1793
35.45	35.6	0.15	CBSH					1794
35.6	35.95	0.35	CR					1795
35.95	36.15	0.2	CBSH					1796
36.15	37.8	1.65	R					1797
37.8	38	0.2	CBSH					1798
38	38.25	0.25	CR					1799
38.25	38.7	0.45	DC	MAH				1800
38.7	38.95	0.25	CR	MAH				1801
38.95	39.2	0.25	DC	MAH				1802
39.2	39.4	0.2	CBSH					1803
39.4	45.5	6.1	R					1804
45.5	46.1	0.6	DC	MAL				1805
46.1	46.3	0.2	CR	MAL				1806
46.3	46.4	0.1	DC	MAL				1807
46.4	46.7	0.3	CR					1808
46.7	47.05	0.35	CBSH					1809
47.05	48.3	1.25	R					1810
48.3	49.1	0.8	CBSH					1811
49.1	61.2	12.1	R					1812
61.2	61.4	0.2	CBSH					1813
61.4	65.65	4.25	R					1814
65.65	65.8	0.15	CBSH					1815
65.8	68.65	2.85	R					1816
68.65	69.5	0.85	CBSH					1817
69.5	72	2.5	R					1818
72	72.4	0.4	CBSH					1819
72.4	72.9	0.5	R					1820
72.9	73.2	0.3	CBSH					1821
73.2	73.75	0.55	R					1822
73.75	74.05	0.3	CR	MAP				1823
74.05	74.15	0.1	CBSH					1824
74.15	74.6	0.45	R					1825

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
74.6	75	0.4	CBSH					1826
75	75.5	0.5	R					1827
75.5	75.8	0.3	CR					1828
75.8	75.9	0.1	CBSH					1829
75.9	77.5	1.6	R					1830
77.5	77.75	0.25	CBSH					1831
77.75	78	0.25	DC					1832
78	78.3	0.3	CBSH					1833
78.3	81	2.7	R					1834
81	81.3	0.3	IRST					1835
81.3	90.2	8.9	R					1836
90.2	90.3	0.1	FAULT		Possible			1837
90.3	101.5	11.2	R		Starts in Gaylard	Normal stratigraphy		1838
101.5	101.7	0.2	CBSH					1839
101.7	102.35	0.65	C	MAR				1840
102.35	102.5	0.15	CR					1841
102.5	102.7	0.2	R					1842
102.7	102.9	0.2	FAULT		Possible			1843
102.9	106.4	3.5	R		Starts in Gaylard	Normal stratigraphy		1844
106.4	106.8	0.4	IRST					1845
106.8	107.8	1	R					1846
107.8	108.5	0.7	CBSH					1847
108.5	114.2	5.7	R					1848
114.2	114.5	0.3	DC	MC				1849
114.5	115	0.5	CBSH					1850
115	115.9	0.9	R					1851
115.9	116.1	0.2	CR					1852
116.1	116.25	0.15	CBSH					1853
116.25	117.8	1.55	R					1854
117.8	118.15	0.35	CBSH					1855
118.15	120	1.85	R					1856
120	121.2	1.2	CBSH					1857
121.2	121.4	0.2	R					1858
121.4	121.7	0.3	CBSH					1859
121.7	121.95	0.25	R					1860
121.95	122.65	0.7	CBSH					1861
122.65	123.7	1.05	R					1862
123.7	123.9	0.2	CBSH					1863
123.9	128.7	4.8	R					1864
128.7	129.2	0.5	CBSH	MCM				1865
129.2	129.55	0.35	R					1866
129.55	129.7	0.15	CBSH	MCN				1867
129.7	138.05	8.35	R					1868
138.05	138.15	0.1	FAULT		Possible			1869
138.15	140.65	2.5	R		Starts in Gaylard	Normal stratigraphy		1870
140.65	141	0.35	CBSH	MC				1871
141	141.2	0.2	R					1872

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
141.2	141.9	0.7	CBSH					1873
141.9	143.3	1.4	R					1874
143.3	143.85	0.55	CBSH					1875
143.85	149.8	5.95	R					1876
149.8	150	0.2	CBSH	MCM				1877
150	150.6	0.6	R					1878
150.6	150.8	0.2	CBSH	MCN				1879
150.8	165.85	15.05	R					1880
165.85	166.1	0.25	CR					1881
166.1	166.3	0.2	C	CBA				1882
166.3	166.45	0.15	DC	CBA				1883
166.45	166.65	0.2	CBSH					1884
166.65	178	11.35	R					1885
178	178.25	0.25	DC	CBB				1886
178.25	178.4	0.15	CBSH					1887
178.4	183.4	5	R					1888
183.4	187.4	4	R					1889
187.4	187.8	0.4	DC					1890
187.8	198.45	10.65	R					1891
198.45	199.2	0.75	CR	MM				1892
199.2	199.5	0.3	R					1893
199.5	201.25	1.75	C	CCA				1894
201.25	201.6	0.35	CR					1895
201.6	201.9	0.3	DC	CCB				1896
201.9	203.4	1.5	C	CCB				1897
203.4	203.6	0.2	DC	CCB				1898
203.6	203.9	0.3	CR					1899
203.9	204.15	0.25	FAULT		Possible			1900
204.15	205.1	0.95	DC	CCB	Starts in Gaylard	Normal stratigraphy		1901
205.1	207.15	2.05	R					1902
207.15	207.35	0.2	CBSH					1903
207.35	208.9	1.55	CR	MB				1904
208.9	209.3	0.4	CBSH	MB				1905
209.3	209.6	0.3	DC	MB				1906
209.6	210	0.4	C	MB				1907
210	210.25	0.25	DC	MB				1908
210.25	210.5	0.25	C	MB				1909
210.5	211.3	0.8	CR	MB				1910
211.3	215.8	4.5	R					1911
215.8	216.05	0.25	FAULT	WARGA?	Probable			1912
216.05	220.8	4.75	R		Starts in Gaylard	Normal stratigraphy		1913
220.8	221.15	0.35	DC	MM				1914
221.15	222.3	1.15	C	CCA				1915
222.3	222.7	0.4	DC	CCA				1916
222.7	223.25	0.55	C	CCA				1917
223.25	223.5	0.25	DC	CCB				1918
223.5	224.7	1.2	C	CCB				1919

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
224.7	224.9	0.2	CR	CCB				1920
224.9	225.45	0.55	DC	CCB				1921
225.45	225.6	0.15	CR					1922
225.6	227.4	1.8	R					1923
227.4	227.75	0.35	CR					1924
227.75	231.7	3.95	R					1925
231.7	232.9	1.2	CBSH					1926
232.9	233.4	0.5	CR	MB				1927
233.4	233.9	0.5	C					1928
233.9	243.95	10.05	R					1929
243.95	244.55	0.6	CR	MAA				1930
244.55	244.75	0.2	DC	MAA				1931
244.75	245.2	0.45	CR	MAA				1932
245.2	245.35	0.15	DC	MAA				1933
245.35	245.5	0.15	CBSH					1934
245.5	254.15	8.65	R					1935
254.15	255	0.85	ND					1936
								1937
BR21RC-16							Brule	1938
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		1939
0	5.9	5.9	DRIFT	DRIFT				1940
5.9	10.6	4.7	R		Starts in Gaylard	Normal stratigraphy		1941
10.6	10.85	0.25	FAULT		Possible			1942
10.85	11	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		1943
11	11.15	0.15	C	MKB				1944
11.15	11.3	0.15	CBSH					1945
11.3	24.55	13.25	R					1946
24.55	24.8	0.25	ASH					1947
24.8	25.05	0.25	CBSH					1948
25.05	25.55	0.5	CR					1949
25.55	25.85	0.3	DC					1950
25.85	26.15	0.3	CR					1951
26.15	29.55	3.4	CBSH					1952
29.55	29.65	0.1	ASH					1953
29.65	29.9	0.25	CBSH					1954
29.9	30.2	0.3	CR	MG				1955
30.2	30.3	0.1	DC	MG				1956
30.3	30.5	0.2	CR	MG				1957
30.5	31.5	1	CBSH					1958
31.5	35.7	4.2	R					1959
35.7	35.95	0.25	CBSH	MF				1960
35.95	65.4	29.45	R					1961
65.4	65.5	0.1	CBSH					1962
65.5	65.65	0.15	CR	MEA				1963
65.65	66.05	0.4	DC	MEA				1964
66.05	66.3	0.25	CBSH					1965
66.3	66.6	0.3	R					1966

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
66.6	66.75	0.15	CBSH					1967
66.75	67.15	0.4	C	MEB				1968
67.15	67.4	0.25	CBSH					1969
67.4	69.4	2	R					1970
69.4	70	0.6	CBSH					1971
70	72.1	2.1	R					1972
72.1	73	0.9	CBSH					1973
73	80.45	7.45	R					1974
80.45	80.8	0.35	CBSH					1975
80.8	81.25	0.45	DC	CAA				1976
81.25	83.4	2.15	C	CAA				1977
83.4	83.6	0.2	DC	CAB				1978
83.6	84.85	1.25	C	CAB				1979
84.85	85.05	0.2	CR					1980
85.05	86.4	1.35	CBSH					1981
86.4	87.5	1.1	R					1982
87.5	89.6	2.1	CBSH					1983
89.6	89.7	0.1	CR					1984
89.7	90.15	0.45	CBSH					1985
90.15	90.6	0.45	R					1986
90.6	90.85	0.25	CBSH					1987
90.85	91	0.15	CR					1988
91	91.25	0.25	CBSH					1989
91.25	91.65	0.4	R					1990
91.65	91.9	0.25	CR					1991
91.9	93.1	1.2	C	MD				1992
93.1	93.25	0.15	CR					1993
93.25	93.7	0.45	CBSH					1994
93.7	102	8.3	R					1995
102	102.7	0.7	CBSH					1996
102.7	109.15	6.45	R					1997
109.15	109.4	0.25	IRST					1998
109.4	111.7	2.3	R					1999
111.7	112.2	0.5	CBSH	MDH				2000
112.2	112.7	0.5	R					2001
112.7	113.1	0.4	C	MDJ				2002
113.1	113.25	0.15	CBSH					2003
113.25	114.8	1.55	R					2004
114.8	115	0.2	CR	MDK				2005
115	115.3	0.3	C	MDK				2006
115.3	115.6	0.3	CBSH					2007
115.6	116.1	0.5	R					2008
116.1	116.65	0.55	CBSH					2009
116.65	117.4	0.75	R					2010
117.4	117.7	0.3	CBSH					2011
117.7	118.7	1	R					2012
118.7	118.85	0.15	CBSH					2013

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
118.85	120.1	1.25	R					2014
120.1	120.35	0.25	DC	MDL				2015
120.35	120.7	0.35	C	MDL				2016
120.7	120.85	0.15	CBSH					2017
120.85	121.05	0.2	R					2018
121.05	121.15	0.1	FAULT		Possible			2019
121.15	124.15	3	R		Starts in Gaylard	Normal stratigraphy		2020
124.15	124.6	0.45	CBSH					2021
124.6	126.3	1.7	R					2022
126.3	126.7	0.4	CBSH					2023
126.7	127.3	0.6	R					2024
127.3	127.5	0.2	CBSH					2025
127.5	127.85	0.35	CR					2026
127.85	127.9	0.05	CBSH					2027
127.9	128.25	0.35	ASH					2028
128.25	128.35	0.1	CBSH					2029
128.35	128.5	0.15	ASH					2030
128.5	128.85	0.35	CBSH					2031
128.85	129.1	0.25	R					2032
129.1	129.45	0.35	IRST					2033
129.45	130.9	1.45	R					2034
130.9	131.25	0.35	CBSH					2035
131.25	131.8	0.55	R					2036
131.8	132	0.2	CR					2037
132	132.2	0.2	C	MDL				2038
132.2	132.45	0.25	DC	MDL				2039
132.45	132.7	0.25	CR	MDL				2040
132.7	132.85	0.15	DC	MDL				2041
132.85	133.25	0.4	CBSH					2042
133.25	133.75	0.5	R					2043
133.75	133.85	0.1	CBSH					2044
133.85	134.1	0.25	CR	MDM				2045
134.1	134.6	0.5	CBSH					2046
134.6	134.7	0.1	ASH					2047
134.7	134.9	0.2	CR	MDN				2048
134.9	136.8	1.9	R					2049
136.8	136.9	0.1	CBSH					2050
136.9	137.1	0.2	FAULT		Possible			2051
137.1	137.3	0.2	CR	MDM	Starts in Gaylard	Normal stratigraphy		2052
137.3	137.5	0.2	CBSH					2053
137.5	139.7	2.2	R					2054
139.7	139.85	0.15	CBSH					2055
139.85	140.15	0.3	CR	MDN				2056
140.15	140.4	0.25	CBSH					2057
140.4	154.6	14.2	R					2058
154.6	157.75	3.15	R	MCD				2059
157.75	157.85	0.1	IRST	MCD				2060

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
157.85	162.35	4.5	R	MCD				2061
162.35	163.85	1.5	CBSH	MCD				2062
163.85	164.85	1	R					2063
164.85	165.4	0.55	CBSH					2064
165.4	165.6	0.2	R					2065
165.6	166.45	0.85	CBSH					2066
166.45	166.55	0.1	R					2067
166.55	167.2	0.65	IRST					2068
167.2	167.35	0.15	R					2069
167.35	169.1	1.75	CBSH					2070
169.1	169.85	0.75	CR					2071
169.85	170.3	0.45	R					2072
170.3	171.05	0.75	CBSH					2073
171.05	171.6	0.55	R					2074
171.6	172.4	0.8	CBSH					2075
172.4	173.6	1.2	R					2076
173.6	174.25	0.65	CBSH					2077
174.25	176.85	2.6	R					2078
176.85	177	0.15	CBSH					2079
177	177.3	0.3	DC					2080
177.3	177.45	0.15	CBSH					2081
177.45	191.6	14.15	R					2082
191.6	193.95	2.35	CBSH					2083
193.95	194.3	0.35	R					2084
194.3	194.5	0.2	CBSH					2085
194.5	194.7	0.2	CR					2086
194.7	194.95	0.25	CBSH					2087
194.95	200.5	5.55	R					2088
200.5	200.75	0.25	CBSH					2089
200.75	200.9	0.15	CR					2090
200.9	201.2	0.3	CBSH					2091
201.2	202.6	1.4	R					2092
202.6	202.8	0.2	CBSH					2093
202.8	203.15	0.35	C	MC				2094
203.15	203.6	0.45	DC	MC				2095
203.6	203.7	0.1	CR					2096
203.7	203.85	0.15	CBSH					2097
203.85	204.7	0.85	R					2098
204.7	204.8	0.1	ASH					2099
204.8	205	0.2	CBSH					2100
205	205.1	0.1	CR	MCB				2101
205.1	206	0.9	CBSH					2102
206	208.5	2.5	R					2103
208.5	208.8	0.3	CR	MCM				2104
208.8	209.2	0.4	R					2105
209.2	209.6	0.4	CBSH					2106
209.6	211.65	2.05	R					2107

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
211.65	211.85	0.2	FAULT		Probable			2108
211.85	212.4	0.55	CR	MCM	Starts in Gaylard	Normal stratigraphy		2109
212.4	212.55	0.15	DC	MCM				2110
212.55	212.8	0.25	CR	MCM				2111
212.8	212.9	0.1	CBSH					2112
212.9	216.6	3.7	R					2113
216.6	217	0.4	IRST					2114
217	219.7	2.7	R					2115
219.7	219.8	0.1	FAULT		Probable			2116
219.8	219.9	0.1	CBSH		Starts in Gaylard	Normal stratigraphy		2117
219.9	220.05	0.15	CR					2118
220.05	222.1	2.05	R					2119
222.1	222.35	0.25	CR					2120
222.35	222.95	0.6	C	MC				2121
222.95	223.2	0.25	CR					2122
223.2	224.1	0.9	R					2123
224.1	224.2	0.1	FAULT		Established			2124
224.2	224.45	0.25	CBSH		Starts in Gaylard	Normal stratigraphy		2125
224.45	225.55	1.1	DC	MC				2126
225.55	225.75	0.2	CR					2127
225.75	226	0.25	R					2128
226	226.2	0.2	CBSH					2129
226.2	226.35	0.15	ASH					2130
226.35	226.4	0.05	CBSH					2131
226.4	227.05	0.65	R					2132
227.05	228.1	1.05	CBSH					2133
228.1	231.1	3	R					2134
231.1	231.3	0.2	CBSH					2135
231.3	231.6	0.3	C	MCM				2136
231.6	232.1	0.5	R					2137
232.1	232.4	0.3	CBSH					2138
232.4	234.5	2.1	R					2139
234.5	234.6	0.1	CBSH					2140
234.6	242.5	7.9	R					2141
242.5	242.7	0.2	CBSH					2142
242.7	244.2	1.5	R					2143
244.2	244.7	0.5	CBSH					2144
244.7	247.45	2.75	R					2145
247.45	247.65	0.2	CBSH					2146
247.65	247.9	0.25	CR					2147
247.9	248.55	0.65	CBSH					2148
248.55	248.8	0.25	R					2149
248.8	249.95	1.15	CBSH					2150
249.95	257.6	7.65	R					2151
257.6	258.1	0.5	C	CBA				2152
258.1	258.3	0.2	DC	CBA				2153
258.3	258.55	0.25	CBSH					2154

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
258.55	264.1	5.55	R					2155
264.1	264.3	0.2	CBSH					2156
264.3	264.7	0.4	C	CBB				2157
264.7	264.9	0.2	CR					2158
264.9	284.5	19.6	R					2159
284.5	284.9	0.4	C	MM				2160
284.9	287.4	2.5	R					2161
287.4	287.6	0.2	CBSH					2162
287.6	289.85	2.25	C	CCA				2163
289.85	295	5.15	C	CCB				2164
295	295.2	0.2	DC	CCB				2165
295.2	295.5	0.3	C	CCB				2166
295.5	295.6	0.1	DC	CCB				2167
295.6	295.9	0.3	CBSH					2168
295.9	296	0.1	CR					2169
296	296.1	0.1	FAULT		Probable			2170
296.1	297.3	1.2	C	CCB	Starts in Gaylard	Normal stratigraphy		2171
297.3	297.6	0.3	DC	CCB				2172
297.6	298.9	1.3	C	CCB				2173
298.9	299.05	0.15	DC	CCB				2174
299.05	299.3	0.25	CR					2175
299.3	300.75	1.45	R					2176
300.75	300.9	0.15	CBSH					2177
300.9	301.35	0.45	CR	MB				2178
301.35	301.5	0.15	DC	MB				2179
301.5	301.95	0.45	CBSH	MB				2180
301.95	302.35	0.4	C	MB				2181
302.35	302.5	0.15	DC	MB				2182
302.5	302.6	0.1	CR	MB				2183
302.6	307.4	4.8	R					2184
307.4	307.62	0.22	ND					2185
								2186
BR21RC-17							Brule	2187
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2188
0	18.1	18.1	DRIFT	DRIFT				2189
18.1	18.25	0.15	R		Starts in Gaylard	Normal stratigraphy		2190
18.25	18.3	0.05	IRST					2191
18.3	18.4	0.1	CR	MAA				2192
18.4	18.55	0.15	DC	MAA				2193
18.55	34.05	15.5	R					2194
34.05	34.2	0.15	CR					2195
34.2	34.3	0.1	DC					2196
34.3	34.55	0.25	C					2197
34.55	34.75	0.2	CR					2198
34.75	34.9	0.15	DC					2199
34.9	35.1	0.2	CBSH					2200
35.1	36.5	1.4	R					2201

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
36.5	36.9	0.4	CBSH					2202
36.9	37.1	0.2	R					2203
37.1	37.3	0.2	FAULT		Possible			2204
37.3	37.65	0.35	DC		Starts in Gaylard	Normal stratigraphy		2205
37.65	40.75	3.1	R					2206
40.75	41	0.25	IRST					2207
41	44.05	3.05	R					2208
44.05	44.2	0.15	IRST					2209
44.2	53.5	9.3	R					2210
53.5	54	0.5	CBSH					2211
54	90.5	36.5	R					2212
90.5	90.8	0.3	CBSH					2213
90.8	90.95	0.15	FAULT		Possible			2214
90.95	95.2	4.25	R		Starts in Gaylard	Normal stratigraphy		2215
95.2	96	0.8	CBSH					2216
96	96.7	0.7	R					2217
96.7	96.9	0.2	CBSH					2218
96.9	97.15	0.25	DC	MA				2219
97.15	98.1	0.95	C	MA				2220
98.1	98.6	0.5	CR					2221
98.6	98.8	0.2	DC	MAB				2222
98.8	99.1	0.3	C	MAB				2223
99.1	99.25	0.15	CBSH					2224
99.25	104.05	4.8	R					2225
104.05	104.2	0.15	CBSH					2226
104.2	105.05	0.85	R					2227
105.05	105.2	0.15	CBSH					2228
105.2	105.45	0.25	DC	MAG				2229
105.45	106	0.55	CBSH					2230
106	106.2	0.2	DC	MAH				2231
106.2	106.35	0.15	CR	MAH				2232
106.35	106.5	0.15	DC	MAH				2233
106.5	106.65	0.15	CBSH					2234
106.65	112.2	5.55	R					2235
112.2	112.5	0.3	CBSH					2236
112.5	112.9	0.4	R					2237
112.9	113.2	0.3	DC	MAP				2238
113.2	113.4	0.2	CBSH					2239
113.4	116.05	2.65	R					2240
116.05	116.2	0.15	CBSH					2241
116.2	116.4	0.2	DC	MAR				2242
116.4	116.55	0.15	CBSH					2243
116.55	118.5	1.95	R					2244
118.5	118.65	0.15	CBSH					2245
118.65	119.3	0.65	R					2246
119.3	119.45	0.15	IRST					2247
119.45	121.65	2.2	R					2248

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
121.65	122.15	0.5	CBSH					2249
122.15	123.25	1.1	R					2250
123.25	123.6	0.35	CBSH					2251
123.6	125.3	1.7	R					2252
125.3	125.6	0.3	CBSH					2253
125.6	134.6	9	R					2254
134.6	134.95	0.35	CBSH					2255
134.95	135.1	0.15	R					2256
135.1	135.9	0.8	CBSH					2257
135.9	144.6	8.7	R					2258
144.6	144.85	0.25	CBSH					2259
144.85	145.2	0.35	CR	MAT				2260
145.2	145.3	0.1	CBSH					2261
145.3	161.6	16.3	R					2262
161.6	161.8	0.2	CBSH	MAV				2263
161.8	162.05	0.25	ASH	MAV				2264
162.05	162.15	0.1	CBSH	MAV				2265
162.15	162.25	0.1	ASH	MAV				2266
162.25	162.5	0.25	CBSH	MAV				2267
162.5	170.6	8.1	R					2268
170.6	170.75	0.15	IRST					2269
170.75	179.2	8.45	R					2270
179.2	179.6	0.4	CBSH					2271
179.6	181.65	2.05	R					2272
181.65	182	0.35	CBSH					2273
182	208.65	26.65	R					2274
208.65	213.3	4.65	R	Basal_Sand top				2275
213.3	213.45	0.15	CBSH	MAX				2276
213.45	213.65	0.2	CR	MAX				2277
213.65	215.7	2.05	R					2278
215.7	215.8	0.1	CBSH	MAY				2279
215.8	232.85	17.05	R					2280
232.85	239.7	6.85	R	Cadomin top				2281
239.7	242.9	3.2		Minnes top				2282
242.9	243.14	0.24	ND					2283
								2284
BR21RC-18							Brule	2285
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2286
0	13	13	DRIFT	DRIFT				2287
13	35.7	22.7	R		Starts in Gaylard	Normal stratigraphy		2288
35.7	35.85	0.15	DC	MEB				2289
35.85	42.1	6.25	R					2290
42.1	42.4	0.3	CBSH					2291
42.4	42.7	0.3	CR	CAA				2292
42.7	43.5	0.8	CBSH					2293
43.5	43.9	0.4	CR	CAB				2294

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
43.9	44.25	0.35	C	CAB				2295
44.25	44.85	0.6	CBSH					2296
44.85	45.15	0.3	CR					2297
45.15	46	0.85	C	MD				2298
46	46.8	0.8	DC	MD				2299
46.8	65.4	18.6	R					2300
65.4	65.75	0.35	DC	MDL				2301
65.75	102	36.25	R					2302
102	102.3	0.3	C	MC				2303
102.3	134.1	31.8	R					2304
134.1	134.4	0.3	CBSH	CBA				2305
134.4	144.5	10.1	R					2306
144.5	145	0.5	C	CBB				2307
145	170.45	25.45	R					2308
170.45	170.65	0.2	CBSH					2309
170.65	171.25	0.6	C	MM				2310
171.25	172.05	0.8	R					2311
172.05	172.25	0.2	FAULT		Probable			2312
172.25	172.9	0.65	R		Starts in Gaylard	Normal stratigraphy		2313
172.9	173.4	0.5	C	MM				2314
173.4	175.1	1.7	R					2315
175.1	177.5	2.4	C	CCA				2316
177.5	179.7	2.2	C	CCB				2317
179.7	180	0.3	CR	CCB				2318
180	180.5	0.5	DC	CCB				2319
180.5	180.9	0.4	C	CCB				2320
180.9	189.45	8.55	R					2321
189.45	190.7	1.25	CBSH					2322
190.7	191.2	0.5	R					2323
191.2	191.5	0.3	C	MB				2324
191.5	192.1	0.6	CR	MB				2325
192.1	199.2	7.1	R					2326
199.2	199.5	0.3	CBSH	MAA				2327
199.5	199.8	0.3	DC	MAA				2328
199.8	200.15	0.35	CBSH	MAA				2329
200.15	206.7	6.55	R					2330
206.7	207.25	0.55	CBSH					2331
207.25	229.3	22.05	R					2332
229.3	230.2	0.9	CBSH					2333
230.2	253.8	23.6	R					2334
253.8	254.8	1	ND					2335
								2336
BR21RC-19							Brule	2337
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2338
0	4.4	4.4	DRIFT	DRIFT				2339
4.4	8.4	4	R		Starts in Gaylard	Normal stratigraphy		2340
8.4	8.75	0.35	CBSH					2341

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
8.75	13.2	4.45	R					2342
13.2	13.55	0.35	CBSH	MF				2343
13.55	13.85	0.3	R	MF				2344
13.85	14.5	0.65	CBSH	MF				2345
14.5	18.15	3.65	R					2346
18.15	18.65	0.5	CBSH					2347
18.65	26.3	7.65	R					2348
26.3	26.75	0.45	DC	MEA				2349
26.75	26.95	0.2	CR					2350
26.95	27.2	0.25	R					2351
27.2	27.3	0.1	CBSH					2352
27.3	27.6	0.3	DC	MEB				2353
27.6	27.7	0.1	C	MEB				2354
27.7	27.95	0.25	CBSH					2355
27.95	30.1	2.15	R					2356
30.1	30.75	0.65	CBSH					2357
30.75	36.7	5.95	R					2358
36.7	36.95	0.25	CR					2359
36.95	37.2	0.25	DC	CAA				2360
37.2	39.3	2.1	C	CAA				2361
39.3	41.2	1.9	C	CAB				2362
41.2	41.4	0.2	CR					2363
41.4	41.65	0.25	CBSH					2364
41.65	41.85	0.2	R					2365
41.85	42	0.15	CBSH					2366
42	42.25	0.25	CR					2367
42.25	42.4	0.15	DC					2368
42.4	42.75	0.35	CR					2369
42.75	42.85	0.1	DC					2370
42.85	42.95	0.1	CR					2371
42.95	43.05	0.1	DC					2372
43.05	43.2	0.15	CR					2373
43.2	43.6	0.4	DC	MD				2374
43.6	43.9	0.3	C	MD				2375
43.9	44.15	0.25	DC	MD				2376
44.15	44.4	0.25	CR					2377
44.4	44.6	0.2	CBSH					2378
44.6	47.5	2.9	R					2379
47.5	47.9	0.4	CBSH	MDH				2380
47.9	48.2	0.3	R					2381
48.2	48.4	0.2	CBSH	MDJ				2382
48.4	48.6	0.2	CR	MDJ				2383
48.6	48.7	0.1	CBSH	MDJ				2384
48.7	50.2	1.5	R					2385
50.2	50.6	0.4	CBSH					2386
50.6	51.3	0.7	R					2387
51.3	51.5	0.2	CBSH	MDK				2388

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
51.5	51.7	0.2	CR	MDK				2389
51.7	51.95	0.25	CBSH	MDK				2390
51.95	54	2.05	R					2391
54	54.4	0.4	DC	MDL				2392
54.4	57.2	2.8	R					2393
57.2	57.3	0.1	FAULT		Probable			2394
57.3	59.85	2.55	R		Starts in Gaylard	Normal stratigraphy		2395
59.85	60.3	0.45	CBSH	MDK				2396
60.3	61.5	1.2	R					2397
61.5	62	0.5	CBSH					2398
62	62.25	0.25	C	MDL				2399
62.25	62.45	0.2	CR	MDL				2400
62.45	62.8	0.35	CBSH					2401
62.8	63.05	0.25	R					2402
63.05	63.4	0.35	CBSH	MDM				2403
63.4	67	3.6	R					2404
67	69.4	2.4	R	MCD				2405
69.4	69.8	0.4	CBSH	MCD				2406
69.8	70.9	1.1	R	MCD				2407
70.9	71.1	0.2	IRST	MCD				2408
71.1	71.7	0.6	R	MCD				2409
71.7	72.2	0.5	IRST	MCD				2410
72.2	72.5	0.3	R	MCD				2411
72.5	72.8	0.3	CBSH	MCD				2412
72.8	73.55	0.75	R	MCD				2413
73.55	73.95	0.4	CBSH	MCD				2414
73.95	76.9	2.95	R	MCD				2415
76.9	78.7	1.8	R					2416
78.7	79.1	0.4	CBSH					2417
79.1	80.6	1.5	R					2418
80.6	81.05	0.45	IRST					2419
81.05	82.15	1.1	R					2420
82.15	82.25	0.1	ASH					2421
82.25	82.4	0.15	R					2422
82.4	82.6	0.2	CBSH					2423
82.6	82.75	0.15	CR					2424
82.75	83	0.25	CBSH					2425
83	84.6	1.6	R					2426
84.6	85.1	0.5	C	MC				2427
85.1	85.4	0.3	DC	MC				2428
85.4	86.7	1.3	R					2429
86.7	86.8	0.1	ASH					2430
86.8	86.95	0.15	CBSH					2431
86.95	87.3	0.35	CR	MCL				2432
87.3	87.6	0.3	CBSH					2433
87.6	89.9	2.3	R					2434
89.9	90.25	0.35	IRST					2435

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
90.25	93.05	2.8	R					2436
93.05	93.35	0.3	DC	MCM				2437
93.35	93.9	0.55	CBSH					2438
93.9	101.5	7.6	R					2439
101.5	102.2	0.7	CBSH					2440
102.2	109.4	7.2	R					2441
109.4	109.6	0.2	CBSH					2442
109.6	110.15	0.55	C	CBA				2443
110.15	112.3	2.15	R					2444
112.3	112.5	0.2	CBSH					2445
112.5	113.15	0.65	C	CBB				2446
113.15	113.35	0.2	DC	CBB				2447
113.35	113.7	0.35	CBSH					2448
113.7	119.1	5.4	R					2449
119.1	119.2	0.1	CBSH					2450
119.2	119.3	0.1	FAULT		Probable			2451
119.3	119.65	0.35	C	MM	Starts in Gaylard	Normal stratigraphy		2452
119.65	121.2	1.55	R					2453
121.2	121.4	0.2	CBSH					2454
121.4	122.7	1.3	C	CCA				2455
122.7	124.2	1.5	C	CCB				2456
124.2	124.4	0.2	DC	CCB				2457
124.4	124.85	0.45	C	CCB				2458
124.85	125.1	0.25	CBSH					2459
125.1	126.1	1	R					2460
126.1	126.3	0.2	CBSH					2461
126.3	126.55	0.25	CR	MB				2462
126.55	126.8	0.25	DC	MB				2463
126.8	136.7	9.9	R					2464
136.7	137.1	0.4	IRST					2465
137.1	137.7	0.6	R					2466
137.7	138.35	0.65	CR	MAA				2467
138.35	138.6	0.25	DC	MAA				2468
138.6	139	0.4	CR	MAA				2469
139	139.55	0.55	CBSH					2470
139.55	141	1.45	R					2471
141	141.5	0.5	CBSH					2472
141.5	146.15	4.65	R					2473
146.15	146.5	0.35	CBSH					2474
146.5	150.8	4.3	R					2475
150.8	151.15	0.35	CR					2476
151.15	151.5	0.35	CBSH					2477
151.5	151.65	0.15	ASH					2478
151.65	151.8	0.15	CBSH					2479
151.8	156.2	4.4	R					2480
156.2	156.55	0.35	CBSH					2481
156.55	158.15	1.6	R					2482

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
158.15	158.35	0.2	CBSH					2483
158.35	158.55	0.2	CR					2484
158.55	158.8	0.25	CBSH					2485
158.8	166.45	7.65	R					2486
166.45	166.9	0.45	CBSH					2487
166.9	170.2	3.3	R					2488
170.2	170.9	0.7	CBSH					2489
170.9	171.12	0.22	ND					2490
								2491
BR21RC-20							Brule	2492
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2493
0	8.6	8.6	DRIFT	DRIFT				2494
8.6	20.05	11.45	R		Starts in Gaylard	Normal stratigraphy		2495
20.05	20.25	0.2	CBSH	MF				2496
20.25	29.85	9.6	R					2497
29.85	30	0.15	CBSH					2498
30	30.2	0.2	DC	MEA				2499
30.2	30.75	0.55	CBSH					2500
30.75	31	0.25	DC	MEB				2501
31	33.4	2.4	R					2502
33.4	33.85	0.45	CBSH					2503
33.85	39.9	6.05	R					2504
39.9	40.1	0.2	CR					2505
40.1	41.7	1.6	C	CAA				2506
41.7	42.7	1	C	CAB				2507
42.7	42.95	0.25	CBSH					2508
42.95	44.25	1.3	R					2509
44.25	44.6	0.35	CBSH					2510
44.6	44.85	0.25	R					2511
44.85	44.95	0.1	CBSH					2512
44.95	49.4	4.45	R					2513
49.4	49.75	0.35	CBSH					2514
49.75	52.6	2.85	R					2515
52.6	53.1	0.5	CR	MD				2516
53.1	55.15	2.05	R					2517
55.15	55.4	0.25	CBSH					2518
55.4	57	1.6	R					2519
57	57.1	0.1	IRST					2520
57.1	67.1	10	R					2521
67.1	67.4	0.3	CR	MDL				2522
67.4	67.5	0.1	CBSH					2523
67.5	67.95	0.45	FAULT		Probable			2524
67.95	68.2	0.25	R		Starts in Gaylard	Normal stratigraphy		2525
68.2	68.3	0.1	CBSH					2526
68.3	73.9	5.6	R					2527
73.9	74.2	0.3	CBSH					2528
74.2	74.5	0.3	R					2529

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
74.5	74.65	0.15	CR	MDL				2530
74.65	74.85	0.2	C	MDL				2531
74.85	75.05	0.2	CBSH					2532
75.05	76.25	1.2	R					2533
76.25	76.4	0.15	CBSH					2534
76.4	76.8	0.4	FAULT		Probable			2535
76.8	77	0.2	CBSH		Starts in Gaylard	Normal stratigraphy		2536
77	77.95	0.95	R					2537
77.95	78.05	0.1	CBSH					2538
78.05	78.65	0.6	R					2539
78.65	79	0.35	C	MDL				2540
79	80.85	1.85	R					2541
80.85	81.2	0.35	CBSH					2542
81.2	81.55	0.35	R					2543
81.55	81.75	0.2	CBSH	MDM				2544
81.75	81.9	0.15	CR	MDM				2545
81.9	82.1	0.2	CBSH	MDM				2546
82.1	82.25	0.15	ASH					2547
82.25	82.9	0.65	R					2548
82.9	83.2	0.3	IRST					2549
83.2	83.35	0.15	R					2550
83.35	83.6	0.25	CBSH					2551
83.6	83.85	0.25	R					2552
83.85	84	0.15	FAULT		Probable			2553
84	84.4	0.4	C	MDL	Starts in Gaylard	Normal stratigraphy		2554
84.4	84.9	0.5	CBSH					2555
84.9	85.2	0.3	R					2556
85.2	85.6	0.4	CBSH					2557
85.6	86.4	0.8	R					2558
86.4	87	0.6	CBSH	MDM				2559
87	87.85	0.85	R					2560
87.85	88.3	0.45	CR	MDN				2561
88.3	98.75	10.45	R					2562
98.75	99.05	0.3	CBSH					2563
99.05	99.45	0.4	R					2564
99.45	99.75	0.3	CBSH					2565
99.75	100.2	0.45	R					2566
100.2	100.5	0.3	CBSH					2567
100.5	101	0.5	R					2568
101	101.15	0.15	CBSH					2569
101.15	102.7	1.55	R					2570
102.7	103.05	0.35	CBSH					2571
103.05	104.6	1.55	R					2572
104.6	104.9	0.3	IRST					2573
104.9	105.6	0.7	R					2574
105.6	105.85	0.25	CBSH					2575
105.85	106.1	0.25	C	MC				2576

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
106.1	106.2	0.1	DC	MC				2577
106.2	106.35	0.15	C	MC				2578
106.35	106.6	0.25	CBSH					2579
106.6	107.6	1	R					2580
107.6	107.8	0.2	CBSH					2581
107.8	107.9	0.1	ASH					2582
107.9	108.7	0.8	R					2583
108.7	109.05	0.35	CBSH					2584
109.05	111.7	2.65	R					2585
111.7	112.05	0.35	CBSH					2586
112.05	112.7	0.65	R					2587
112.7	112.9	0.2	CBSH					2588
112.9	115.7	2.8	R					2589
115.7	115.9	0.2	CBSH					2590
115.9	120.3	4.4	R					2591
120.3	120.5	0.2	CBSH					2592
120.5	120.8	0.3	R					2593
120.8	121.55	0.75	CBSH					2594
121.55	122.95	1.4	R					2595
122.95	123.3	0.35	IRST					2596
123.3	127.35	4.05	R					2597
127.35	127.85	0.5	C	CBA				2598
127.85	127.9	0.05	DC	CBA				2599
127.9	134.95	7.05	R					2600
134.95	135.2	0.25	CBSH					2601
135.2	135.75	0.55	C	CBB				2602
135.75	136	0.25	CBSH					2603
136	156.45	20.45	R					2604
156.45	156.75	0.3	CR	MM				2605
156.75	157.5	0.75	R					2606
157.5	157.65	0.15	CBSH					2607
157.65	159	1.35	C	CCA				2608
159	159.65	0.65	C	CCB				2609
159.65	159.9	0.25	R					2610
159.9	160.3	0.4	FAULT		Established			2611
160.3	160.55	0.25	CBSH		Starts in Gaylard	Normal stratigraphy		2612
160.55	161.65	1.1	R					2613
161.65	161.9	0.25	CR					2614
161.9	162.75	0.85	C	CCA				2615
162.75	163.35	0.6	C	CCB				2616
163.35	163.5	0.15	FAULT		Established			2617
163.5	174.2	10.7	R		Starts in Gaylard	Normal stratigraphy		2618
174.2	174.45	0.25	C	MM				2619
174.45	176.9	2.45	R					2620
176.9	177.1	0.2	CR					2621
177.1	179.75	2.65	C	CCA				2622
179.75	181.85	2.1	C	CCB				2623

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
181.85	181.95	0.1	DC	CCB				2624
181.95	182.1	0.15	C	CCB				2625
182.1	182.45	0.35	DC	CCB				2626
182.45	184.3	1.85	R					2627
184.3	184.5	0.2	CBSH	MB				2628
184.5	184.6	0.1	CR	MB				2629
184.6	185	0.4	CBSH	MB				2630
185	185.3	0.3	DC	MB				2631
185.3	185.55	0.25	CR	MB				2632
185.55	194.85	9.3	R					2633
194.85	195.15	0.3	CBSH	MAA				2634
195.15	195.35	0.2	CR	MAA				2635
195.35	195.56		ND					2636
								2637
BR21RC-21							Dillon	2638
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2639
0	26.3	26.3	DRIFT	DRIFT				2640
26.3	27.3	1	R		Starts in Gaylard	Normal stratigraphy		2641
27.3	27.55	0.25	IRST					2642
27.55	28.6	1.05	R					2643
28.6	31.7	3.1	R					2644
31.7	32.5	0.8	CBSH	MDK				2645
32.5	41.1	8.6	R					2646
41.1	41.35	0.25	CR	MDL				2647
41.35	42	0.65	CBSH	MDL				2648
42	47.1	5.1	R					2649
47.1	47.45	0.35	CBSH	MDM				2650
47.45	47.8	0.35	R	MDM				2651
47.8	48	0.2	CBSH	MDM				2652
48	50.1	2.1	R					2653
50.1	50.4	0.3	CBSH	MDN				2654
50.4	50.5	0.1	R	MDN				2655
50.5	50.7	0.2	CBSH	MDN				2656
50.7	55.6	4.9	R					2657
55.6	55.7	0.1	CBSH					2658
55.7	59.4	3.7	R					2659
59.4	59.85	0.45	CBSH					2660
59.85	60	0.15	CR					2661
60	60.4	0.4	CBSH					2662
60.4	60.5	0.1	CR					2663
60.5	61.2	0.7	C	MC				2664
61.2	61.75	0.55	DC	MC				2665
61.75	61.9	0.15	CBSH					2666
61.9	62.7	0.8	R					2667
62.7	62.8	0.1	ASH					2668
62.8	62.9	0.1	CBSH					2669
62.9	63.6	0.7	R					2670

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
63.6	63.85	0.25	CBSH					2671
63.85	64.15	0.3	CR					2672
64.15	64.35	0.2	CBSH					2673
64.35	73.45	9.1	R					2674
73.45	73.55	0.1	CBSH	MCL				2675
73.55	73.75	0.2	DC	MCL				2676
73.75	73.9	0.15	CBSH	MCL				2677
73.9	74.8	0.9	R					2678
74.8	75.2	0.4	CBSH	MCM				2679
75.2	76.7	1.5	R					2680
76.7	76.8	0.1	CBSH	MCN				2681
76.8	77	0.2	CR	MCN				2682
77	77.55	0.55	CBSH	MCN				2683
77.55	88.55	11	R					2684
88.55	88.95	0.4	CBSH					2685
88.95	116.65	27.7	R					2686
116.65	116.85	0.2	CBSH					2687
116.85	118.7	1.85	C	CBA				2688
118.7	120.05	1.35	C	CBB				2689
120.05	120.25	0.2	CR					2690
120.25	120.7	0.45	CBSH					2691
120.7	133.05	12.35	R					2692
133.05	133.15	0.1	CBSH	MM				2693
133.15	133.5	0.35	R					2694
133.5	133.7	0.2	CBSH					2695
133.7	138	4.3	C	CCA				2696
138	142.05	4.05	C	CCB				2697
142.05	142.45	0.4	CBSH					2698
142.45	142.9	0.45	R					2699
142.9	143.7	0.8	CBSH	MB				2700
143.7	143.95	0.25	DC	MB				2701
143.95	144.1	0.15	CBSH					2702
144.1	150.1	6	R					2703
150.1	150.55	0.45	CBSH					2704
150.55	152.4	1.85	R					2705
152.4	152.5	0.1	CBSH					2706
152.5	152.72	0.22	ND					2707
								2708
TH20-14							Dillon	2709
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2710
0	1.4	1.4	R		Starts in Gaylard	Normal stratigraphy		2711
1.4	1.5	0.1	CR					2712
1.5	2.2	0.7	R					2713
2.2	2.3	0.1	CR					2714
2.3	4.05	1.75	R					2715
4.05	4.25	0.2	C					2716
4.25	4.5	0.25	CBSH					2717

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
4.5	4.95	0.45	R					2718
4.95	5.25	0.3	CR					2719
5.25	5.45	0.2	CBSH					2720
5.45	5.8	0.35	C					2721
5.8	22	16.2	R					2722
22	22.15	0.15	CBSH					2723
22.15	24.2	2.05	R					2724
24.2	24.4	0.2	CBSH					2725
24.4	26.15	1.75	C	CBA				2726
26.15	28.8	2.65	C	CBB				2727
28.8	30	1.2	ND					2728
								2729
TH20-21							Brule	2730
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2731
0	3.95	3.95	R		Starts in Gaylard	Normal stratigraphy		2732
3.95	4.2	0.25	DC					2733
4.2	12.35	8.15	R					2734
12.35	12.7	0.35	ASH					2735
12.7	12.8	0.1	R					2736
12.8	13.05	0.25	CBSH					2737
13.05	13.3	0.25	CR	MG				2738
13.3	13.65	0.35	DC	MG				2739
13.65	13.95	0.3	CR	MG				2740
13.95	14.05	0.1	DC	MG				2741
14.05	14.2	0.15	CR	MG				2742
14.2	14.3	0.1	DC	MG				2743
14.3	14.9	0.6	CBSH					2744
14.9	15	0.1	CR					2745
15	15.25	0.25	CBSH					2746
15.25	17.05	1.8	R					2747
17.05	17.2	0.15	CBSH					2748
17.2	18.4	1.2	R					2749
18.4	18.7	0.3	CBSH					2750
18.7	18.9	0.2	R					2751
18.9	19.2	0.3	ASH					2752
19.2	19.4	0.2	R					2753
19.4	19.8	0.4	CR	MF				2754
19.8	21.4	1.6	R					2755
21.4	21.65	0.25	CBSH					2756
21.65	24.75	3.1	R					2757
24.75	24.9	0.15	CR					2758
24.9	27.65	2.75	R					2759
27.65	28	0.35	CR	MEA				2760
28	29.35	1.35	R					2761
29.35	30	0.65	ND					2762
								2763
								2764

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
TH20-23							Brule	2765
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2766
0	5.1	5.1	R		Starts in Gaylard	Normal stratigraphy		2767
5.1	5.35	0.25	CR					2768
5.35	5.55	0.2	C	MEA				2769
5.55	6.15	0.6	CBSH					2770
6.15	6.4	0.25	C	MEB				2771
6.4	9.5	3.1	R					2772
9.5	9.8	0.3	CBSH					2773
9.8	9.95	0.15	CR					2774
9.95	10.2	0.25	CBSH					2775
10.2	10.4	0.2	CR					2776
10.4	10.8	0.4	CBSH					2777
10.8	10.95	0.15	DC					2778
10.95	12.75	1.8	R					2779
12.75	13	0.25	CBSH					2780
13	14.8	1.8	R					2781
14.8	15.05	0.25	CBSH					2782
15.05	15.2	0.15	DC	CA				2783
15.2	17.95	2.75	C	CA				2784
17.95	18.05	0.1	DC	CA				2785
18.05	18.15	0.1	C					2786
18.15	18.35	0.2	CR					2787
18.35	18.55	0.2	CBSH					2788
18.55	19.1	0.55	R					2789
19.1	19.45	0.35	CBSH					2790
19.45	19.55	0.1	CR					2791
19.55	30	10.45	ND					2792
								2793
TH20-24							Brule	2794
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2795
0	1.6	1.6	R		Starts in Gaylard	Normal stratigraphy		2796
1.6	1.8	0.2	ASH					2797
1.8	2.1	0.3	CBSH					2798
2.1	2.75	0.65	CR					2799
2.75	3.2	0.45	C	MD				2800
3.2	3.5	0.3	DC	MD				2801
3.5	3.7	0.2	CR	MD				2802
3.7	4.3	0.6	C	MD				2803
4.3	4.6	0.3	R					2804
4.6	4.8	0.2	ASH					2805
4.8	4.9	0.1	R					2806
4.9	5.2	0.3	C					2807
5.2	5.4	0.2	CBSH					2808
5.4	5.6	0.2	R					2809
5.6	5.9	0.3	ASH					2810
5.9	5.95	0.05	R					2811

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
5.95	6.1	0.15	CBSH					2812
6.1	7.1	1	R					2813
7.1	7.3	0.2	C					2814
7.3	7.75	0.45	CBSH					2815
7.75	8.2	0.45	R					2816
8.2	8.35	0.15	DC					2817
8.35	13.35	5	R					2818
13.35	30	16.65	ND					2819
								2820
TH20-25							Brule	2821
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2822
0	0.85	0.85	R		Starts in Gaylard	Normal stratigraphy		2823
0.85	0.95	0.1	C	MEA				2824
0.95	1.5	0.55	CR					2825
1.5	1.6	0.1	C	MEB				2826
1.6	1.9	0.3	CBSH					2827
1.9	4.8	2.9	R					2828
4.8	4.95	0.15	DC					2829
4.95	5	0.05	CR					2830
5	5.15	0.15	DC					2831
5.15	5.3	0.15	R					2832
5.3	5.6	0.3	CR					2833
5.6	6.1	0.5	R					2834
6.1	6.3	0.2	CR					2835
6.3	7.4	1.1	R					2836
7.4	7.55	0.15	CR					2837
7.55	11.25	3.7	R					2838
11.25	11.65	0.4	CBSH					2839
11.65	11.9	0.25	CR					2840
11.9	12.1	0.2	DC	CA				2841
12.1	15.25	3.15	C	CA				2842
15.25	15.35	0.1	DC	CA				2843
15.35	15.6	0.25	CR					2844
15.6	16.25	0.65	CBSH					2845
16.25	16.7	0.45	R					2846
16.7	17.8	1.1	CBSH					2847
17.8	18	0.2	R					2848
18	18.75	0.75	CBSH					2849
18.75	18.9	0.15	DC	MD				2850
18.9	19.05	0.15	C	MD				2851
19.05	19.15	0.1	DC	MD				2852
19.15	19.25	0.1	C	MD				2853
19.25	19.4	0.15	DC	MD				2854
19.4	19.5	0.1	CR	MD				2855
19.5	19.65	0.15	DC	MD				2856
19.65	19.85	0.2	CR					2857
19.85	19.95	0.1	DC					2858

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
19.95	20.25	0.3	CBSH					2859
20.25	20.6	0.35	R					2860
20.6	21.05	0.45	CBSH					2861
21.05	24.65	3.6	R					2862
24.65	30	5.35	ND					2863
								2864
TH20-26							Dillon	2865
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2866
0	1.3	1.3	DRIFT	DRIFT				2867
1.3	1.6	0.3	R		Starts in Gaylard	Normal stratigraphy		2868
1.6	1.7	0.1	DC					2869
1.7	1.9	0.2	C					2870
1.9	12.55	10.65	R					2871
12.55	12.85	0.3	C	MM				2872
12.85	13.4	0.55	R					2873
13.4	13.7	0.3	FAULT		Probable			2874
13.7	13.85	0.15	R		Starts in Gaylard	Normal stratigraphy		2875
13.85	14	0.15	C	MM				2876
14	15.05	1.05	R					2877
15.05	17.45	2.4	FAULT		Probable			2878
17.45	18.1	0.65	C		Starts in Gaylard	Normal stratigraphy		2879
18.1	18.2	0.1	R					2880
18.2	18.4	0.2	DC					2881
18.4	18.8	0.4	R					2882
18.8	18.95	0.15	CR					2883
18.95	21.3	2.35	FAULT		Probable			2884
21.3	22.04	0.74	R		Starts in Gaylard	Normal stratigraphy		2885
22.04	30	7.96	ND					2886
								2887
TH20-32							Brule	2888
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2889
0	9.45	9.45	R		Starts in Gaylard	Normal stratigraphy		2890
9.45	9.75	0.3	CBSH					2891
9.75	10.6	0.85	R					2892
10.6	10.8	0.2	CBSH					2893
10.8	11.25	0.45	R					2894
11.25	11.45	0.2	C	MM				2895
11.45	12.3	0.85	R					2896
12.3	12.45	0.15	CBSH					2897
12.45	12.8	0.35	R					2898
12.8	13	0.2	CBSH					2899
13	15.1	2.1	C	CCA				2900
15.1	18.2	3.1	C	CCB				2901
18.2	30	11.8	ND					2902
								2903
TH20-33							Brule	2904
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2905

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
0	0.5	0.5	R		Starts in Gaylard	Normal stratigraphy		2906
0.5	2	1.5	CBSH					2907
2	2.1	0.1	CR					2908
2.1	3	0.9	CBSH					2909
3	3.4	0.4	R					2910
3.4	4.05	0.65	CBSH					2911
4.05	4.7	0.65	R					2912
4.7	5.2	0.5	CBSH					2913
5.2	5.9	0.7	R					2914
5.9	6.05	0.15	CBSH					2915
6.05	6.4	0.35	CR	MM				2916
6.4	6.55	0.15	DC	MM				2917
6.55	6.7	0.15	CBSH					2918
6.7	8.2	1.5	R					2919
8.2	8.4	0.2	CR					2920
8.4	11.75	3.35	C	CCA				2921
11.75	14.7	2.95	C	CCB				2922
14.7	14.95	0.25	CBSH					2923
14.95	15.7	0.75	R					2924
15.7	30	14.3	ND					2925
								2926
TH20-34							Brule	2927
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2928
0	5.25	5.25	R		Starts in Gaylard	Normal stratigraphy		2929
5.25	5.6	0.35	CBSH	CBA				2930
5.6	6.65	1.05	R					2931
6.65	6.85	0.2	CBSH	CBB				2932
6.85	17.5	10.65	R					2933
17.5	17.6	0.1	ASH					2934
17.6	17.8	0.2	CBSH					2935
17.8	17.95	0.15	C	MM				2936
17.95	18.05	0.1	FAULT		Probable			2937
18.05	18.25	0.2	DC	MM	Starts in Gaylard	Normal stratigraphy		2938
18.25	18.4	0.15	CBSH	MM				2939
18.4	18.8	0.4	R	MM				2940
18.8	19.05	0.25	DC	MM				2941
19.05	19.35	0.3	R					2942
19.35	19.65	0.3	CR					2943
19.65	20.05	0.4	C	CCA				2944
20.05	20.4	0.35	DC	CCA				2945
20.4	22.35	1.95	C	CCA				2946
22.35	25.2	2.85	C	CCB				2947
25.2	25.6	0.4	CBSH					2948
25.6	25.9	0.3	R					2949
25.9	26	0.1	CR					2950
26	26.55	0.55	CBSH					2951
26.55	26.7	0.15	CR					2952

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
26.7	26.8	0.1	R					2953
26.8	27	0.2	CR					2954
27	27.3	0.3	C	MB				2955
27.3	27.5	0.2	DC	MB				2956
27.5	27.75	0.25	CBSH					2957
27.75	28.55	0.8	R					2958
28.55	28.7	0.15	CR					2959
28.7	29	0.3	R					2960
29	29.2	0.2	CR					2961
29.2	29.4	0.2	CBSH					2962
29.4	29.65	0.25	R					2963
29.65	29.8	0.15	CR					2964
29.8	30.1	0.3	CBSH					2965
30.1	30.58	0.48	ND					2966
								2967
TH20-35							Brule	2968
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		2969
0	11.35	11.35	R		Starts in Gaylard	Normal stratigraphy		2970
11.35	11.5	0.15	DC	MM				2971
11.5	11.7	0.2	C	MM				2972
11.7	11.95	0.25	CR	MM				2973
11.95	13.8	1.85	R					2974
13.8	13.9	0.1	CBSH					2975
13.9	14.2	0.3	C					2976
14.2	14.4	0.2	CBSH					2977
14.4	15	0.6	R					2978
15	15.2	0.2	CBSH					2979
15.2	17.75	2.55	C	CCA				2980
17.75	19.8	2.05	C	CCB				2981
19.8	20.25	0.45	DC	CCB				2982
20.25	20.35	0.1	C	CCB				2983
20.35	20.55	0.2	CR					2984
20.55	20.75	0.2	CBSH					2985
20.75	20.9	0.15	R					2986
20.9	21.3	0.4	CBSH					2987
21.3	21.4	0.1	CR					2988
21.4	21.7	0.3	CBSH					2989
21.7	22.3	0.6	CR	MB				2990
22.3	22.45	0.15	DC	MB				2991
22.45	22.6	0.15	CR	MB				2992
22.6	22.75	0.15	DC	MB				2993
22.75	23	0.25	CBSH					2994
23	24.2	1.2	R					2995
24.2	24.35	0.15	CR					2996
24.35	24.6	0.25	R					2997
24.6	24.9	0.3	CBSH					2998
24.9	25.7	0.8	R					2999

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
25.7	26	0.3	CR					3000
26	27	1	R					3001
27	27.5	0.5	CBSH					3002
27.5	27.6	0.1	DC					3003
27.6	27.85	0.25	CBSH					3004
27.85	28.15	0.3	DC					3005
28.15	28.3	0.15	CBSH					3006
28.3	28.6	0.3	CR					3007
28.6	29.1	0.5	CBSH					3008
29.1	29.35	0.25	DC	MAA				3009
29.35	29.5	0.15	CR	MAA				3010
29.5	29.6	0.1	DC	MAA				3011
29.6	30	0.4	CBSH	MAA				3012
30	30.4	0.4	C	MAA				3013
30.4	30.75	0.35	DC	MAA				3014
30.75	31.22	0.47	ND					3015
								3016
TH20-56							Brule	3017
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3018
0	1.1	1.1	R		Starts in Gaylard	Normal stratigraphy		3019
1.1	1.2	0.1	C					3020
1.2	3.45	2.25	R					3021
3.45	3.6	0.15	CBSH					3022
3.6	4.5	0.9	R					3023
4.5	4.6	0.1	CR					3024
4.6	5.25	0.65	R					3025
5.25	5.4	0.15	CBSH					3026
5.4	6.15	0.75	R					3027
6.15	6.25	0.1	ASH					3028
6.25	6.55	0.3	CBSH					3029
6.55	7.3	0.75	R					3030
7.3	7.5	0.2	CR					3031
7.5	8.3	0.8	R					3032
8.3	8.55	0.25	CBSH					3033
8.55	8.75	0.2	C	MM				3034
8.75	8.9	0.15	CBSH					3035
8.9	9.15	0.25	CR					3036
9.15	9.3	0.15	CBSH					3037
9.3	10.6	1.3	R					3038
10.6	10.85	0.25	DC	CCA				3039
10.85	13.1	2.25	C	CCA				3040
13.1	15.6	2.5	C	CCB				3041
15.6	15.75	0.15	DC	CCB				3042
15.75	15.85	0.1	C	CCB				3043
15.85	15.95	0.1	DC	CCB				3044
15.95	16.1	0.15	C	CCB				3045
16.1	16.3	0.2	CBSH					3046

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
16.3	16.8	0.5	R					3047
16.8	30	13.2	ND					3048
								3049
TH20-64							Brule	3050
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3051
0	1.1	1.1	R		Starts in Gaylard	Normal stratigraphy		3052
1.1	1.4	0.3	C	CBB				3053
1.4	4.75	3.35	R					3054
4.75	4.95	0.2	CR					3055
4.95	5.15	0.2	DC					3056
5.15	6.8	1.65	R					3057
6.8	7.2	0.4	CBSH					3058
7.2	12.05	4.85	R					3059
12.05	12.3	0.25	CBSH					3060
12.3	12.4	0.1	DC	MM				3061
12.4	13.15	0.75	R					3062
13.15	13.35	0.2	CBSH					3063
13.35	14.5	1.15	R					3064
14.5	14.7	0.2	DC	CCA				3065
14.7	16.5	1.8	C	CCA				3066
16.5	19.1	2.6	C	CCB				3067
19.1	30	10.9	ND					3068
								3069
TH20-78							Brule	3070
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3071
0	1.3	1.3	R		Starts in Gaylard	Normal stratigraphy		3072
1.3	1.45	0.15	CR					3073
1.45	3.45	2	R					3074
3.45	3.65	0.2	CBSH					3075
3.65	4.7	1.05	R					3076
4.7	5	0.3	CBSH					3077
5	5.9	0.9	R					3078
5.9	6.1	0.2	CBSH					3079
6.1	6.5	0.4	R					3080
6.5	6.65	0.15	CR					3081
6.65	6.85	0.2	CBSH					3082
6.85	7.3	0.45	R					3083
7.3	7.45	0.15	CBSH					3084
7.45	8.4	0.95	R					3085
8.4	8.6	0.2	CBSH					3086
8.6	9.1	0.5	R					3087
9.1	9.5	0.4	CBSH					3088
9.5	10.3	0.8	R					3089
10.3	10.55	0.25	DC	MM				3090
10.55	11.05	0.5	CBSH					3091
11.05	12.4	1.35	R					3092
12.4	12.6	0.2	CBSH					3093

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
12.6	15.5	2.9	C	CCA				3094
15.5	16.45	0.95	C	CCB				3095
16.45	16.55	0.1	ASH	CCB				3096
16.55	18	1.45	C	CCB				3097
18	18.3	0.3	DC	CCB				3098
18.3	18.4	0.1	C	CCB				3099
18.4	18.5	0.1	DC	CCB				3100
18.5	19.05	0.55	C	CCB				3101
19.05	19.25	0.2	CR					3102
19.25	19.7	0.45	R					3103
19.7	20	0.3	CBSH					3104
20	20.15	0.15	R					3105
20.15	20.3	0.15	CBSH					3106
20.3	20.6	0.3	R					3107
20.6	20.8	0.2	CBSH					3108
20.8	21	0.2	DC	MB				3109
21	21.1	0.1	CR	MB				3110
21.1	21.15	0.05	DC	MB				3111
21.15	30	8.85	ND					3112
								3113
TH20-98							Brule	3114
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3115
0	2.4	2.4	DEBRIS	DEBRIS				3116
2.4	2.6	0.2	R		Starts in Gaylard	Normal stratigraphy		3117
2.6	2.7	0.1	DC					3118
2.7	6.1	3.4	R					3119
6.1	6.3	0.2	DC	MM				3120
6.3	6.4	0.1	CR	MM				3121
6.4	6.7	0.3	DC	MM				3122
6.7	6.85	0.15	CR	MM				3123
6.85	7	0.15	DC	MM				3124
7	7.25	0.25	CR	MM				3125
7.25	7.4	0.15	CBSH					3126
7.4	7.65	0.25	CR					3127
7.65	7.9	0.25	DC					3128
7.9	8.4	0.5	CBSH					3129
8.4	8.6	0.2	R					3130
8.6	8.8	0.2	DC					3131
8.8	9.9	1.1	R					3132
9.9	10.15	0.25	CR					3133
10.15	10.3	0.15	DC					3134
10.3	10.75	0.45	CBSH					3135
10.75	10.9	0.15	CR					3136
10.9	11.1	0.2	CBSH					3137
11.1	11.75	0.65	R					3138
11.75	11.95	0.2	DC					3139
11.95	12.3	0.35	R					3140

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
12.3	12.5	0.2	CBSH					3141
12.5	15.3	2.8	C	CCA				3142
15.3	18.3	3	C	CCB				3143
18.3	18.4	0.1	DC	CCB				3144
18.4	18.65	0.25	C	CCB				3145
18.65	19.15	0.5	CBSH					3146
19.15	19.8	0.65	R					3147
19.8	19.95	0.15	CBSH					3148
19.95	20.2	0.25	CR	MB				3149
20.2	20.3	0.1	CBSH	MB				3150
20.3	20.5	0.2	CR	MB				3151
20.5	20.7	0.2	C	MB				3152
20.7	20.9	0.2	CR	MB				3153
20.9	21.1	0.2	CBSH					3154
21.1	23.9	2.8	R					3155
23.9	24.05	0.15	CBSH					3156
24.05	24.3	0.25	R					3157
24.3	24.6	0.3	CBSH					3158
24.6	30	5.4	ND					3159
								3160
TH20-99							Brule	3161
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3162
0	1.75	1.75	R		Starts in Gaylard	Normal stratigraphy		3163
1.75	1.9	0.15	CR					3164
1.9	3.3	1.4	R					3165
3.3	3.45	0.15	CBSH					3166
3.45	5.45	2	R					3167
5.45	5.65	0.2	CBSH					3168
5.65	5.8	0.15	R					3169
5.8	5.95	0.15	CBSH					3170
5.95	10.45	4.5	R					3171
10.45	10.6	0.15	CBSH					3172
10.6	18.8	8.2	R					3173
18.8	19	0.2	CBSH					3174
19	19.25	0.25	R					3175
19.25	19.5	0.25	CBSH	MM				3176
19.5	19.65	0.15	CR	MM				3177
19.65	21.1	1.45	R					3178
21.1	21.3	0.2	CBSH					3179
21.3	21.4	0.1	DC	CCA				3180
21.4	24.5	3.1	C	CCA				3181
24.5	29.15	4.65	C	CCB				3182
29.15	29.35	0.2	DC	CCB				3183
29.35	29.65	0.3	C	CCB				3184
29.65	30.4	0.75	CBSH					3185
30.4	30.65	0.25	R					3186
30.65	31.14	0.49	ND					3187

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
								3188
TH20-107							Dillon	3189
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3190
0	0.25	0.25	R		Starts in Gaylard	Normal stratigraphy		3191
0.25	1.3	1.05	C	CBB				3192
1.3	1.8	0.5	R					3193
1.8	2.1	0.3	CBSH					3194
2.1	3.6	1.5	R					3195
3.6	3.8	0.2	CBSH					3196
3.8	13.4	9.6	R					3197
13.4	13.9	0.5	CBSH	MM				3198
13.9	14.2	0.3	R					3199
14.2	14.45	0.25	CBSH					3200
14.45	14.6	0.15	R					3201
14.6	14.9	0.3	CBSH					3202
14.9	17.2	2.3	R					3203
17.2	17.85	0.65	CBSH					3204
17.85	18.05	0.2	DC	CCA				3205
18.05	20.7	2.65	C	CCA				3206
20.7	23.75	3.05	C	CCB				3207
23.75	24.1	0.35	CBSH					3208
24.1	24.3	0.2	R					3209
24.3	24.75	0.45	CBSH					3210
24.75	24.85	0.1	CR	MB				3211
24.85	24.95	0.1	CBSH	MB				3212
24.95	25.2	0.25	CR	MB				3213
25.2	25.35	0.15	DC	MB				3214
25.35	25.5	0.15	C	MB				3215
25.5	25.65	0.15	CR	MB				3216
25.65	25.75	0.1	DC	MB				3217
25.75	26	0.25	CR	MB				3218
26	26.6	0.6	CBSH					3219
26.6	26.7	0.1	R					3220
26.7	26.9	0.2	CBSH					3221
26.9	27.4	0.5	R					3222
27.4	27.7	0.3	CBSH					3223
27.7	28.4	0.7	R					3224
28.4	30	1.6	ND					3225
								3226
TH20-110							Dillon	3227
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3228
0	1.1	1.1	R		Starts in Gaylard	Normal stratigraphy		3229
1.1	1.2	0.1	C					3230
1.2	1.4	0.2	CBSH					3231
1.4	1.85	0.45	CR					3232
1.85	2.2	0.35	CBSH					3233
2.2	2.35	0.15	CR					3234

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
2.35	2.5	0.15	CBSH					3235
2.5	2.6	0.1	CR					3236
2.6	3.05	0.45	R					3237
3.05	3.6	0.55	CBSH					3238
3.6	3.8	0.2	C					3239
3.8	4.9	1.1	R					3240
4.9	5.05	0.15	CBSH					3241
5.05	5.7	0.65	R					3242
5.7	6.05	0.35	CBSH					3243
6.05	9.5	3.45	R					3244
9.5	9.7	0.2	CBSH					3245
9.7	9.85	0.15	DC	CBA				3246
9.85	10.7	0.85	C	CBA				3247
10.7	10.8	0.1	CR					3248
10.8	11.35	0.55	R					3249
11.35	12.25	0.9	C	CBB				3250
12.25	12.4	0.15	DC	CBB				3251
12.4	12.65	0.25	CBSH					3252
12.65	12.9	0.25	R					3253
12.9	13.35	0.45	CBSH					3254
13.35	14.3	0.95	R					3255
14.3	14.4	0.1	CBSH					3256
14.4	26.7	12.3	R					3257
26.7	26.85	0.15	CBSH	MM				3258
26.85	27.1	0.25	R					3259
27.1	30	2.9	ND					3260
								3261
TH20-117							Dillon	3262
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3263
0	1.1	1.1	DEBRIS	DEBRIS				3264
1.1	1.3	0.2	CBSH		Starts in Gaylard	Normal stratigraphy		3265
1.3	1.5	0.2	R					3266
1.5	1.7	0.2	CBSH					3267
1.7	2.35	0.65	R					3268
2.35	2.5	0.15	CBSH					3269
2.5	2.7	0.2	R					3270
2.7	2.8	0.1	CBSH					3271
2.8	4.8	2	R					3272
4.8	5	0.2	CBSH					3273
5	5.35	0.35	R					3274
5.35	5.55	0.2	CBSH					3275
5.55	6.5	0.95	C	CBA				3276
6.5	6.6	0.1	DC	CBA				3277
6.6	6.7	0.1	C	CBA				3278
6.7	7.1	0.4	CR					3279
7.1	7.95	0.85	C	CBB				3280
7.95	8.15	0.2	DC	CBB				3281

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
8.15	8.85	0.7	CBSH					3282
8.85	9.7	0.85	R					3283
9.7	9.9	0.2	CBSH					3284
9.9	14.7	4.8	R					3285
14.7	14.8	0.1	CBSH	MM				3286
14.8	19.3	4.5	R					3287
19.3	19.4	0.1	CBSH					3288
19.4	21.05	1.65	R					3289
21.05	21.25	0.2	CBSH					3290
21.25	23.65	2.4	R					3291
23.65	23.8	0.15	CBSH					3292
23.8	24.2	0.4	R					3293
24.2	24.45	0.25	CBSH					3294
24.45	24.7	0.25	DC	CCA				3295
24.7	26.6	1.9	C	CCA				3296
26.6	28.05	1.45	C	CCB				3297
28.05	30	1.95	ND					3298
								3299
TH20-118							Dillon	3300
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3301
0	0.9	0.9	DEBRIS	DEBRIS				3302
0.9	1.2	0.3	CR		Starts in Gaylard	Normal stratigraphy		3303
1.2	1.5	0.3	R					3304
1.5	1.95	0.45	CBSH					3305
1.95	4.05	2.1	R					3306
4.05	4.2	0.15	CBSH					3307
4.2	4.65	0.45	R					3308
4.65	4.85	0.2	CR					3309
4.85	5.25	0.4	R					3310
5.25	5.4	0.15	CR					3311
5.4	6.9	1.5	R					3312
6.9	7.15	0.25	CR					3313
7.15	7.4	0.25	R					3314
7.4	7.55	0.15	CBSH					3315
7.55	8.6	1.05	R					3316
8.6	8.8	0.2	CR					3317
8.8	9	0.2	CBSH					3318
9	9.6	0.6	R					3319
9.6	9.7	0.1	CBSH					3320
9.7	9.85	0.15	R					3321
9.85	10.1	0.25	CBSH					3322
10.1	10.55	0.45	R					3323
10.55	10.75	0.2	CBSH					3324
10.75	11.75	1	R					3325
11.75	11.9	0.15	ASH					3326
11.9	13.05	1.15	C	CBA				3327
13.05	13.2	0.15	CR					3328

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
13.2	13.45	0.25	DC	CBB				3329
13.45	14.45	1	C	CBB				3330
14.45	14.75	0.3	CR					3331
14.75	15	0.25	CBSH					3332
15	17.3	2.3	R					3333
17.3	17.5	0.2	CBSH					3334
17.5	18.4	0.9	R					3335
18.4	18.75	0.35	CBSH					3336
18.75	19.05	0.3	CR	MM				3337
19.05	19.2	0.15	C	MM				3338
19.2	19.5	0.3	CBSH					3339
19.5	19.8	0.3	R					3340
19.8	20	0.2	CBSH					3341
20	21.1	1.1	R					3342
21.1	21.55	0.45	CBSH					3343
21.55	30	8.45	ND					3344
								3345
TH20-124							Dillon	3346
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3347
0	1	1	R		Starts in Gaylard	Normal stratigraphy		3348
1	1.15	0.15	C	MEA				3349
1.15	1.4	0.25	CR					3350
1.4	1.7	0.3	C	MEB				3351
1.7	1.9	0.2	CBSH					3352
1.9	3.95	2.05	R					3353
3.95	4.15	0.2	CBSH					3354
4.15	4.75	0.6	R					3355
4.75	4.95	0.2	CR					3356
4.95	5.5	0.55	R					3357
5.5	5.85	0.35	CBSH					3358
5.85	7.35	1.5	R					3359
7.35	7.6	0.25	CR					3360
7.6	9.8	2.2	R					3361
9.8	9.9	0.1	CBSH					3362
9.9	10.15	0.25	R					3363
10.15	10.95	0.8	CBSH					3364
10.95	13.1	2.15	R					3365
13.1	13.6	0.5	CBSH					3366
13.6	14.3	0.7	R					3367
14.3	14.5	0.2	CR					3368
14.5	17.45	2.95	C	CA				3369
17.45	17.7	0.25	CR					3370
17.7	18.15	0.45	CBSH					3371
18.15	18.4	0.25	CR					3372
18.4	18.55	0.15	C	MD				3373
18.55	18.65	0.1	DC	MD				3374
18.65	18.95	0.3	C	MD				3375

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
18.95	19.1	0.15	DC	MD				3376
19.1	19.25	0.15	C	MD				3377
19.25	30	10.75	ND					3378
								3379
TH20-125							Dillon	3380
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3381
0	2	2	DEBRIS	DEBRIS				3382
2	2.15	0.15	CR		Starts in Gaylard	Normal stratigraphy		3383
2.15	2.3	0.15	DC					3384
2.3	2.6	0.3	R					3385
2.6	2.9	0.3	CR					3386
2.9	3.1	0.2	ASH					3387
3.1	3.3	0.2	DC	CBA				3388
3.3	4.3	1	C	CBA				3389
4.3	4.5	0.2	DC	CBA				3390
4.5	4.65	0.15	CR					3391
4.65	5.6	0.95	C	CBB				3392
5.6	6.1	0.5	CR					3393
6.1	6.55	0.45	CBSH					3394
6.55	6.8	0.25	R					3395
6.8	7.05	0.25	CBSH					3396
7.05	7.3	0.25	R					3397
7.3	7.4	0.1	CBSH					3398
7.4	7.85	0.45	R					3399
7.85	8.05	0.2	CR					3400
8.05	8.4	0.35	R					3401
8.4	8.6	0.2	C					3402
8.6	8.75	0.15	CBSH					3403
8.75	9.1	0.35	R					3404
9.1	9.3	0.2	CBSH					3405
9.3	9.5	0.2	C	MM				3406
9.5	11.3	1.8	R					3407
11.3	11.4	0.1	CR					3408
11.4	12.5	1.1	R					3409
12.5	12.8	0.3	CBSH					3410
12.8	13.45	0.65	R					3411
13.45	13.75	0.3	CBSH					3412
13.75	14.4	0.65	R					3413
14.4	14.7	0.3	CBSH					3414
14.7	17.4	2.7	R					3415
17.4	17.7	0.3	CBSH					3416
17.7	18.05	0.35	R					3417
18.05	18.25	0.2	CBSH					3418
18.25	18.55	0.3	R					3419
18.55	19	0.45	CBSH					3420
19	19.15	0.15	R					3421
19.15	19.25	0.1	CBSH					3422

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
19.25	19.85	0.6	R					3423
19.85	20	0.15	CBSH					3424
20	20.1	0.1	R					3425
20.1	20.2	0.1	CBSH					3426
20.2	20.4	0.2	CR					3427
20.4	21.6	1.2	R					3428
21.6	21.8	0.2	CBSH					3429
21.8	23.75	1.95	C	CCA				3430
23.75	27.1	3.35	C	CCB				3431
27.1	27.3	0.2	CR					3432
27.3	27.6	0.3	CBSH					3433
27.6	27.75	0.15	R					3434
27.75	27.95	0.2	CBSH					3435
27.95	28.3	0.35	CR	MB				3436
28.3	28.55	0.25	C	MB				3437
28.55	28.75	0.2	CR	MB				3438
28.75	28.95	0.2	CBSH					3439
28.95	29.2	0.25	R					3440
29.2	29.5	0.3	CBSH					3441
29.5	30	0.5	ND					3442
								3443
TH20-127							Dillon	3444
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3445
0	1	1	R	MCD	Starts in Gaylard	Normal stratigraphy		3446
1	1.2	0.2	C	MCD				3447
1.2	2.1	0.9	R	MCD				3448
2.1	2.3	0.2	ASH	MCD				3449
2.3	2.6	0.3	C	MCD				3450
2.6	2.9	0.3	R	MCD				3451
2.9	20.1	17.2	R					3452
20.1	20.3	0.2	CR					3453
20.3	20.4	0.1	CBSH					3454
20.4	20.5	0.1	CR					3455
20.5	22.95	2.45	R					3456
22.95	23.25	0.3	ASH					3457
23.25	23.65	0.4	R					3458
23.65	23.9	0.25	CR					3459
23.9	24.2	0.3	DC	MC				3460
24.2	24.85	0.65	C	MC				3461
24.85	25.2	0.35	DC	MC				3462
25.2	28.55	3.35	R					3463
28.55	28.8	0.25	CR					3464
28.8	29.8	1	R					3465
29.8	30	0.2	CBSH					3466
30	30.2	0.2	CR					3467
30.2	32.7	2.5	R					3468
32.7	32.9	0.2	CR					3469

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
32.9	34.4	1.5	R					3470
34.4	34.89	0.49	ND					3471
								3472
TH20-128							Dillon	3473
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3474
0	0.9	0.9	R		Starts in Gaylard	Normal stratigraphy		3475
0.9	1.2	0.3	ASH					3476
1.2	1.55	0.35	C					3477
1.55	1.6	0.05	R					3478
1.6	1.75	0.15	CR					3479
1.75	2.1	0.35	R					3480
2.1	2.35	0.25	CR					3481
2.35	2.6	0.25	CBSH					3482
2.6	2.7	0.1	C	MC				3483
2.7	2.85	0.15	CR	MC				3484
2.85	3.1	0.25	DC	MC				3485
3.1	3.7	0.6	C	MC				3486
3.7	4.8	1.1	R					3487
4.8	4.9	0.1	DC					3488
4.9	5.15	0.25	R					3489
5.15	5.3	0.15	C					3490
5.3	7.3	2	R					3491
7.3	7.4	0.1	C					3492
7.4	8.1	0.7	R					3493
8.1	8.2	0.1	C					3494
8.2	14.25	6.05	R					3495
14.25	14.5	0.25	CBSH					3496
14.5	19.45	4.95	R					3497
19.45	19.8	0.35	CBSH					3498
19.8	21.1	1.3	R					3499
21.1	21.4	0.3	CR					3500
21.4	25.2	3.8	R					3501
25.2	25.9	0.7	CBSH					3502
25.9	27.7	1.8	R					3503
27.7	27.85	0.15	CR					3504
27.85	28.6	0.75	R					3505
28.6	30	1.4	ND					3506
								3507
TH20-135							Dillon	3508
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3509
0	1.85	1.85	DEBRIS	DEBRIS				3510
1.85	2	0.15	CR		Starts in Gaylard	Normal stratigraphy		3511
2	2.15	0.15	R					3512
2.15	2.45	0.3	CR					3513
2.45	2.6	0.15	C					3514
2.6	2.8	0.2	CR					3515
2.8	3.1	0.3	R					3516

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
3.1	3.55	0.45	CR					3517
3.55	3.7	0.15	CBSH					3518
3.7	3.95	0.25	DC	MD				3519
3.95	4.7	0.75	C	MD				3520
4.7	4.85	0.15	DC	MD				3521
4.85	5.05	0.2	C	MD				3522
5.05	5.25	0.2	DC					3523
5.25	5.5	0.25	CBSH					3524
5.5	5.65	0.15	C					3525
5.65	6.1	0.45	CBSH					3526
6.1	6.25	0.15	CR					3527
6.25	10.8	4.55	R					3528
10.8	11.55	0.75	CR					3529
11.55	12.1	0.55	R					3530
12.1	12.3	0.2	CBSH					3531
12.3	12.45	0.15	C					3532
12.45	12.7	0.25	CBSH					3533
12.7	23.9	11.2	R					3534
23.9	24	0.1	CBSH					3535
24	24.8	0.8	C	MDL				3536
24.8	25.15	0.35	DC	MDL				3537
25.15	25.2	0.05	C	MDL				3538
25.2	30	4.8	ND					3539
								3540
TH20-136							Dillon	3541
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3542
0	4.6	4.6	R		Starts in Gaylard	Normal stratigraphy		3543
4.6	4.7	0.1	CBSH					3544
4.7	4.85	0.15	C					3545
4.85	5.4	0.55	CBSH					3546
5.4	5.5	0.1	C	MD				3547
5.5	5.6	0.1	DC	MD				3548
5.6	5.8	0.2	C	MD				3549
5.8	6	0.2	CBSH					3550
6	6.3	0.3	R					3551
6.3	6.45	0.15	C					3552
6.45	6.6	0.15	R					3553
6.6	7.35	0.75	CBSH					3554
7.35	7.55	0.2	R					3555
7.55	7.7	0.15	CBSH					3556
7.7	7.8	0.1	C					3557
7.8	8	0.2	CR					3558
8	8.3	0.3	DC					3559
8.3	8.5	0.2	R					3560
8.5	9.05	0.55	CR					3561
9.05	9.3	0.25	R					3562
9.3	9.45	0.15	C					3563

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
9.45	9.6	0.15	CBSH					3564
9.6	9.95	0.35	CR					3565
9.95	10.1	0.15	C					3566
10.1	10.35	0.25	CBSH					3567
10.35	10.45	0.1	CR					3568
10.45	10.9	0.45	CBSH					3569
10.9	11	0.1	C					3570
11	11.45	0.45	CR					3571
11.45	12.3	0.85	CBSH					3572
12.3	12.4	0.1	CR					3573
12.4	12.6	0.2	CBSH					3574
12.6	13	0.4	CR					3575
13	13.15	0.15	C					3576
13.15	13.55	0.4	CBSH					3577
13.55	13.65	0.1	DC					3578
13.65	14.45	0.8	CBSH					3579
14.45	14.95	0.5	R					3580
14.95	15.1	0.15	DC					3581
15.1	23.7	8.6	R					3582
23.7	23.9	0.2	CR					3583
23.9	24.1	0.2	C	MDL				3584
24.1	30	5.9	ND					3585
								3586
TH20-138							Dillon	3587
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3588
0	3.4	3.4	R		Starts in Gaylard	Normal stratigraphy		3589
3.4	3.7	0.3	C	CA				3590
3.7	3.8	0.1	CR	CA				3591
3.8	4.4	0.6	C	CA				3592
4.4	4.5	0.1	CR	CA				3593
4.5	4.7	0.2	C	CA				3594
4.7	4.8	0.1	R					3595
4.8	5.1	0.3	CR					3596
5.1	5.95	0.85	C	MD				3597
5.95	6.1	0.15	R					3598
6.1	6.4	0.3	CBSH					3599
6.4	7.4	1	R					3600
7.4	7.8	0.4	CBSH					3601
7.8	7.9	0.1	CR					3602
7.9	8.4	0.5	CBSH					3603
8.4	9.95	1.55	R					3604
9.95	10.4	0.45	CBSH					3605
10.4	10.55	0.15	DC					3606
10.55	10.7	0.15	CBSH					3607
10.7	10.8	0.1	CR					3608
10.8	10.95	0.15	R					3609
10.95	11.1	0.15	CBSH					3610

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
11.1	11.3	0.2	R					3611
11.3	11.4	0.1	CR					3612
11.4	12	0.6	CBSH					3613
12	21.05	9.05	R					3614
21.05	30	8.95	ND					3615
								3616
TH20-142							Dillon	3617
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3618
0	2.5	2.5	DEBRIS	DEBRIS				3619
2.5	3.3	0.8	CBSH		Starts in Gaylard	Normal stratigraphy		3620
3.3	3.5	0.2	CR	MM				3621
3.5	3.7	0.2	C	MM				3622
3.7	3.95	0.25	DC	MM				3623
3.95	4.75	0.8	CBSH					3624
4.75	4.9	0.15	DC					3625
4.9	5.25	0.35	CBSH					3626
5.25	6.9	1.65	R					3627
6.9	7.2	0.3	CBSH					3628
7.2	7.3	0.1	CR					3629
7.3	7.55	0.25	CBSH					3630
7.55	25.5	17.95	R					3631
25.5	25.75	0.25	CR					3632
25.75	26.55	0.8	R					3633
26.55	26.7	0.15	CR					3634
26.7	28.4	1.7	R					3635
28.4	29.3	0.9	CBSH					3636
29.3	31.5	2.2	R					3637
31.5	31.7	0.2	CBSH					3638
31.7	34.45	2.75	C	CC				3639
34.45	34.69	0.24	ND					3640
								3641
TH20-200							Dillon	3642
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3643
0	0.6	0.6	DEBRIS	DEBRIS				3644
0.6	1.5	0.9	CBSH		Starts in Gaylard	Normal stratigraphy		3645
1.5	1.9	0.4	R					3646
1.9	2.1	0.2	C					3647
2.1	2.3	0.2	CR					3648
2.3	2.45	0.15	CBSH					3649
2.45	2.55	0.1	CR					3650
2.55	2.75	0.2	CBSH					3651
2.75	2.95	0.2	CR					3652
2.95	3.15	0.2	CBSH					3653
3.15	3.3	0.15	CR					3654
3.3	3.4	0.1	C					3655
3.4	3.8	0.4	CR					3656
3.8	4	0.2	CBSH					3657

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
4	4.3	0.3	R					3658
4.3	4.4	0.1	CBSH					3659
4.4	4.8	0.4	R					3660
4.8	6	1.2	CBSH					3661
6	6.2	0.2	R					3662
6.2	7.65	1.45	CBSH					3663
7.65	8.1	0.45	R					3664
8.1	8.35	0.25	CBSH					3665
8.35	8.45	0.1	DC					3666
8.45	8.6	0.15	CBSH					3667
8.6	9.4	0.8	R					3668
9.4	9.5	0.1	CBSH					3669
9.5	10	0.5	R					3670
10	10.2	0.2	CBSH					3671
10.2	10.7	0.5	R					3672
10.7	10.9	0.2	CR					3673
10.9	11.05	0.15	CBSH					3674
11.05	11.25	0.2	CR					3675
11.25	14	2.75	C	CAA				3676
14	14.1	0.1	DC	CAB				3677
14.1	14.7	0.6	C	CAB				3678
14.7	15	0.3	CBSH					3679
15	15.15	0.15	CR					3680
15.15	15.25	0.1	CBSH					3681
15.25	15.5	0.25	CR					3682
15.5	15.6	0.1	C	MD				3683
15.6	15.7	0.1	CR	MD				3684
15.7	17.2	1.5	C	MD				3685
17.2	17.35	0.15	DC	MD				3686
17.35	18.2	0.85	CBSH					3687
18.2	18.3	0.1	CR	MDH				3688
18.3	19.9	1.6	CBSH					3689
19.9	20	0.1	R					3690
20	20.5	0.5	CBSH					3691
20.5	20.6	0.1	C	MDJ				3692
20.6	20.8	0.2	CR					3693
20.8	21	0.2	CBSH					3694
21	21.4	0.4	CR					3695
21.4	21.6	0.2	CBSH					3696
21.6	21.8	0.2	R					3697
21.8	21.9	0.1	CBSH					3698
21.9	22.05	0.15	R					3699
22.05	22.4	0.35	CBSH					3700
22.4	22.9	0.5	R					3701
22.9	23	0.1	CR					3702
23	23.5	0.5	CBSH					3703
23.5	23.7	0.2	CR					3704

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
23.7	23.95	0.25	IRST					3705
23.95	24.05	0.1	R					3706
24.05	24.2	0.15	DC	MDK				3707
24.2	24.45	0.25	CR					3708
24.45	24.9	0.45	R					3709
24.9	25.2	0.3	CBSH					3710
25.2	25.8	0.6	R					3711
25.8	26.4	0.6	CBSH					3712
26.4	26.55	0.15	CR					3713
26.55	26.8	0.25	R					3714
26.8	27	0.2	DC					3715
27	27.9	0.9	R					3716
27.9	28.3	0.4	CR					3717
28.3	28.5	0.2	CBSH					3718
28.5	28.8	0.3	ASH					3719
28.8	30.35	1.55	CBSH					3720
30.35	30.9	0.55	R					3721
30.9	31.3	0.4	CBSH					3722
31.3	31.4	0.1	R					3723
31.4	31.95	0.55	CBSH					3724
31.95	32.05	0.1	CR					3725
32.05	32.75	0.7	CBSH					3726
32.75	33.21	0.46	ND					3727
								3728
TH20-201							Dillon	3729
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3730
0	0.85	0.85	DEBRIS	DEBRIS				3731
0.85	1	0.15	CR		Starts in Gaylard	Normal stratigraphy		3732
1	1.4	0.4	CBSH					3733
1.4	1.5	0.1	CR					3734
1.5	1.9	0.4	CBSH					3735
1.9	2.6	0.7	R					3736
2.6	2.8	0.2	CBSH					3737
2.8	2.9	0.1	CR					3738
2.9	3.35	0.45	CBSH					3739
3.35	4.25	0.9	R					3740
4.25	4.7	0.45	CBSH					3741
4.7	4.9	0.2	R					3742
4.9	6.2	1.3	CBSH					3743
6.2	6.4	0.2	CR					3744
6.4	7.1	0.7	CBSH					3745
7.1	7.2	0.1	CR					3746
7.2	8.05	0.85	R					3747
8.05	8.2	0.15	CR					3748
8.2	8.4	0.2	CBSH					3749
8.4	9.1	0.7	R					3750
9.1	9.2	0.1	CBSH					3751

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
9.2	9.3	0.1	R					3752
9.3	9.8	0.5	CBSH					3753
9.8	10.1	0.3	R					3754
10.1	10.25	0.15	CBSH					3755
10.25	10.45	0.2	R					3756
10.45	11.1	0.65	CBSH					3757
11.1	11.45	0.35	R					3758
11.45	11.8	0.35	CBSH					3759
11.8	12.35	0.55	R					3760
12.35	12.55	0.2	CBSH					3761
12.55	12.7	0.15	R					3762
12.7	12.8	0.1	CR					3763
12.8	13.2	0.4	R					3764
13.2	13.4	0.2	DC					3765
13.4	14.15	0.75	R					3766
14.15	14.55	0.4	CBSH					3767
14.55	15	0.45	R					3768
15	15.1	0.1	DC					3769
15.1	15.25	0.15	CBSH					3770
15.25	15.5	0.25	CR					3771
15.5	18.15	2.65	C	CAA				3772
18.15	18.35	0.2	DC	CAB				3773
18.35	19	0.65	C	CAB				3774
19	19.1	0.1	CR					3775
19.1	19.2	0.1	DC					3776
19.2	19.35	0.15	CBSH					3777
19.35	19.5	0.15	CR					3778
19.5	19.6	0.1	CBSH					3779
19.6	20.85	1.25	C	MD				3780
20.85	21	0.15	DC	MD				3781
21	21.5	0.5	C	MD				3782
21.5	21.75	0.25	CBSH					3783
21.75	21.85	0.1	CR					3784
21.85	22.5	0.65	CBSH					3785
22.5	22.6	0.1	CR	MDH				3786
22.6	22.75	0.15	CBSH	MDH				3787
22.75	22.9	0.15	CR	MDH				3788
22.9	23.7	0.8	CBSH					3789
23.7	23.8	0.1	CR					3790
23.8	24.45	0.65	CBSH					3791
24.45	24.5	0.05	DC	MDJ				3792
24.5	24.6	0.1	CR	MDJ				3793
24.6	25	0.4	DC	MDJ				3794
25	25.25	0.25	CBSH					3795
25.25	25.8	0.55	CR					3796
25.8	25.95	0.15	CBSH					3797
25.95	26.15	0.2	R					3798

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
26.15	26.4	0.25	CBSH					3799
26.4	26.9	0.5	R					3800
26.9	27.15	0.25	CBSH					3801
27.15	27.5	0.35	R					3802
27.5	27.8	0.3	CBSH					3803
27.8	28.7	0.9	R					3804
28.7	28.85	0.15	CBSH					3805
28.85	29	0.15	DC	MDK				3806
29	29.1	0.1	CBSH					3807
29.1	29.2	0.1	CR					3808
29.2	30	0.8	R					3809
30	30.2	0.2	CR					3810
30.2	30.55	0.35	R					3811
30.55	30.7	0.15	CR					3812
30.7	31	0.3	R					3813
31	31.2	0.2	CBSH					3814
31.2	31.3	0.1	CR					3815
31.3	31.65	0.35	CBSH					3816
31.65	32.35	0.7	R					3817
32.35	32.5	0.15	CBSH					3818
32.5	33	0.5	R					3819
33	33.15	0.15	CR					3820
33.15	33.4	0.25	CBSH					3821
33.4	33.6	0.2	R					3822
33.6	34	0.4	CBSH					3823
34	34.51	0.51	ND					3824
								3825
TH20-202							Dillon	3826
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3827
0	0.9	0.9	DEBRIS	DEBRIS				3828
0.9	1.7	0.8	CBSH		Starts in Gaylard	Normal stratigraphy		3829
1.7	1.8	0.1	DC	MEA				3830
1.8	2.2	0.4	CBSH					3831
2.2	2.35	0.15	DC	MEB				3832
2.35	2.7	0.35	CBSH					3833
2.7	3.1	0.4	R					3834
3.1	3.2	0.1	CBSH					3835
3.2	3.65	0.45	R					3836
3.65	4.1	0.45	CBSH					3837
4.1	4.2	0.1	CR					3838
4.2	4.5	0.3	CBSH					3839
4.5	4.6	0.1	CR					3840
4.6	5.4	0.8	CBSH					3841
5.4	6.4	1	R					3842
6.4	6.55	0.15	CR					3843
6.55	6.85	0.3	CBSH					3844
6.85	7.05	0.2	R					3845

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.05	7.2	0.15	CR					3846
7.2	7.35	0.15	R					3847
7.35	7.5	0.15	CBSH					3848
7.5	7.95	0.45	R					3849
7.95	8.15	0.2	CBSH					3850
8.15	8.25	0.1	R					3851
8.25	8.1	-0.15	CBSH					3852
8.1	9.4	1.3	R					3853
9.4	10.1	0.7	CBSH					3854
10.1	10.35	0.25	R					3855
10.35	10.5	0.15	CBSH					3856
10.5	10.6	0.1	R					3857
10.6	10.8	0.2	CBSH					3858
10.8	11	0.2	CR					3859
11	11.2	0.2	CBSH					3860
11.2	12.45	1.25	R					3861
12.45	12.8	0.35	DC					3862
12.8	12.9	0.1	C	CAA				3863
12.9	13.05	0.15	DC	CAA				3864
13.05	15.15	2.1	C	CAA				3865
15.15	15.75	0.6	C	CAB				3866
15.75	15.9	0.15	CR					3867
15.9	16	0.1	DC					3868
16	16.5	0.5	CBSH					3869
16.5	16.75	0.25	CR					3870
16.75	18.3	1.55	C	MD				3871
18.3	18.4	0.1	DC	MD				3872
18.4	19.8	1.4	CBSH					3873
19.8	20	0.2	CR					3874
20	20.25	0.25	CBSH					3875
20.25	20.4	0.15	R					3876
20.4	20.95	0.55	CBSH					3877
20.95	21.1	0.15	R					3878
21.1	21.5	0.4	CBSH					3879
21.5	21.65	0.15	CR					3880
21.65	21.95	0.3	DC	MDJ				3881
21.95	22.1	0.15	CBSH					3882
22.1	22.4	0.3	CR					3883
22.4	22.6	0.2	CBSH					3884
22.6	22.8	0.2	R					3885
22.8	22.9	0.1	CBSH					3886
22.9	23.6	0.7	R					3887
23.6	23.7	0.1	CBSH					3888
23.7	23.9	0.2	R					3889
23.9	24.3	0.4	CBSH					3890
24.3	24.6	0.3	R					3891
24.6	24.8	0.2	CBSH					3892

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
24.8	24.9	0.1	DC	MDK				3893
24.9	25.15	0.25	CBSH					3894
25.15	26.4	1.25	R					3895
26.4	26.6	0.2	CBSH					3896
26.6	26.85	0.25	CR					3897
26.85	27.7	0.85	R					3898
27.7	28	0.3	CBSH					3899
28	28.2	0.2	R					3900
28.2	28.3	0.1	CBSH					3901
28.3	28.6	0.3	R					3902
28.6	28.7	0.1	CBSH					3903
28.7	29.95	1.25	R					3904
29.95	30.1	0.15	CBSH					3905
30.1	30.35	0.25	R					3906
30.35	30.5	0.15	CBSH					3907
30.5	30.7	0.2	R					3908
30.7	31.3	0.6	CBSH					3909
31.3	32.45	1.15	R					3910
32.45	32.96	0.51	ND					3911
								3912
TH20-203							Dillon	3913
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		3914
0	0.95	0.95	DEBRIS	DEBRIS				3915
0.95	1.35	0.5	CBSH		Starts in Gaylard	Normal stratigraphy		3916
1.35	1.5	0.15	CR					3917
1.5	1.6	0.1	CBSH					3918
1.6	1.85	0.25	R					3919
1.85	2.8	0.95	CBSH					3920
2.8	3	0.2	CR					3921
3	3.55	0.55	R					3922
3.55	3.7	0.15	CBSH					3923
3.7	3.9	0.2	DC					3924
3.9	4	0.1	CBSH					3925
4	4.1	0.1	CR					3926
4.1	4.7	0.6	R					3927
4.7	5	0.3	CBSH					3928
5	5.1	0.1	R					3929
5.1	5.3	0.2	DC					3930
5.3	5.45	0.15	CBSH					3931
5.45	6.1	0.65	R					3932
6.1	6.2	0.1	CBSH					3933
6.2	6.65	0.45	R					3934
6.65	6.9	0.25	DC					3935
6.9	7.05	0.15	CBSH					3936
7.05	7.3	0.25	R					3937
7.3	7.4	0.1	CBSH					3938
7.4	7.75	0.35	R					3939

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.75	7.85	0.1	CBSH					3940
7.85	8.3	0.45	R					3941
8.3	8.5	0.2	CBSH					3942
8.5	8.65	0.15	R					3943
8.65	8.9	0.25	CR					3944
8.9	10.4	1.5	R					3945
10.4	10.6	0.2	CBSH					3946
10.6	10.75	0.15	CR					3947
10.75	11.85	1.1	R					3948
11.85	12.2	0.35	CBSH					3949
12.2	12.55	0.35	DC					3950
12.55	13.8	1.25	R					3951
13.8	14.1	0.3	CBSH					3952
14.1	14.75	0.65	R					3953
14.75	14.9	0.15	CR					3954
14.9	15.1	0.2	R					3955
15.1	15.2	0.1	CBSH					3956
15.2	15.8	0.6	R					3957
15.8	15.9	0.1	CBSH					3958
15.9	16.25	0.35	R					3959
16.25	16.4	0.15	CR					3960
16.4	16.75	0.35	C	CAA				3961
16.75	16.9	0.15	DC	CAA				3962
16.9	18.35	1.45	C	CAA				3963
18.35	19.7	1.35	C	CAB				3964
19.7	19.9	0.2	DC	CAB				3965
19.9	20.05	0.15	CBSH					3966
20.05	20.15	0.1	DC					3967
20.15	20.3	0.15	CBSH					3968
20.3	20.5	0.2	CR					3969
20.5	20.75	0.25	DC	MD				3970
20.75	21.9	1.15	C	MD				3971
21.9	22	0.1	DC	MD				3972
22	22.15	0.15	C	MD				3973
22.15	22.4	0.25	CBSH					3974
22.4	22.7	0.3	R					3975
22.7	23.05	0.35	CBSH					3976
23.05	23.2	0.15	R					3977
23.2	23.4	0.2	CBSH					3978
23.4	23.85	0.45	CR	MDH				3979
23.85	24.45	0.6	CBSH					3980
24.45	25.05	0.6	R					3981
25.05	25.3	0.25	CBSH					3982
25.3	25.55	0.25	DC	MDJ				3983
25.55	25.85	0.3	CR					3984
25.85	26.1	0.25	CBSH					3985
26.1	26.25	0.15	CR					3986

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
26.25	26.5	0.25	CBSH					3987
26.5	27.6	1.1	R					3988
27.6	28.5	0.9	CBSH					3989
28.5	28.7	0.2	R					3990
28.7	28.95	0.25	CBSH					3991
28.95	29.25	0.3	DC	MDK				3992
29.25	29.9	0.65	CBSH					3993
29.9	30.3	0.4	R					3994
30.3	30.45	0.15	CBSH					3995
30.45	32.1	1.65	R					3996
32.1	32.3	0.2	CBSH					3997
32.3	33.6	1.3	R					3998
33.6	33.85	0.25	CBSH					3999
33.85	34	0.15	CR					4000
34	34.48	0.48	ND					4001
								4002
TH20-204							Dillon	4003
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4004
0	0.7	0.7	DEBRIS	DEBRIS				4005
0.7	1	0.3	CR		Starts in Gaylard	Normal stratigraphy		4006
1	1.5	0.5	CBSH					4007
1.5	2.3	0.8	R					4008
2.3	2.8	0.5	CBSH					4009
2.8	3	0.2	DC	MEA				4010
3	3.2	0.2	CR	MEA				4011
3.2	3.35	0.15	CBSH					4012
3.35	3.55	0.2	R					4013
3.55	3.85	0.3	CBSH					4014
3.85	4.05	0.2	DC	MEB				4015
4.05	4.45	0.4	CBSH					4016
4.45	4.9	0.45	R					4017
4.9	5	0.1	CBSH					4018
5	5.15	0.15	R					4019
5.15	5.35	0.2	CBSH					4020
5.35	11.05	5.7	R					4021
11.05	11.15	0.1	CBSH					4022
11.15	11.95	0.8	R					4023
11.95	12.1	0.15	CBSH					4024
12.1	19.5	7.4	R					4025
19.5	19.6	0.1	CBSH					4026
19.6	20.1	0.5	DC	CAA				4027
20.1	22.25	2.15	C	CAA				4028
22.25	22.6	0.35	C	CAB				4029
22.6	22.75	0.15	DC	CAB				4030
22.75	22.95	0.2	CR					4031
22.95	23.25	0.3	R					4032
23.25	23.5	0.25	CBSH					4033

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
23.5	24.1	0.6	CR					4034
24.1	24.3	0.2	DC	MD				4035
24.3	25.3	1	C	MD				4036
25.3	25.5	0.2	CR					4037
25.5	25.6	0.1	CBSH					4038
25.6	25.85	0.25	R					4039
25.85	26.7	0.85	CBSH					4040
26.7	26.8	0.1	CR	MDH				4041
26.8	27.3	0.5	CBSH					4042
27.3	27.4	0.1	R					4043
27.4	27.65	0.25	CBSH					4044
27.65	28	0.35	R					4045
28	28.25	0.25	CBSH					4046
28.25	28.4	0.15	DC	MDJ				4047
28.4	28.9	0.5	CR					4048
28.9	29.2	0.3	CBSH					4049
29.2	30.9	1.7	R					4050
30.9	31.15	0.25	CBSH					4051
31.15	31.25	0.1	DC	MDK				4052
31.25	31.45	0.2	CR	MDK				4053
31.45	33.7	2.25	R					4054
33.7	34.05	0.35	ND					4055
								4056
TH21-01							Dillon	4057
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4058
0	0.65	0.65	DEBRIS	DEBRIS				4059
0.65	0.85	0.2	R		Starts in Gaylard	Normal stratigraphy		4060
0.85	1.2	0.35	CR					4061
1.2	1.7	0.5	CBSH					4062
1.7	2.35	0.65	C	MC				4063
2.35	2.8	0.45	CBSH					4064
2.8	2.9	0.1	R					4065
2.9	3.2	0.3	CBSH					4066
3.2	3.7	0.5	R					4067
3.7	3.8	0.1	CBSH					4068
3.8	4.1	0.3	R					4069
4.1	4.2	0.1	CBSH					4070
4.2	5.05	0.85	R					4071
5.05	5.15	0.1	ASH					4072
5.15	5.3	0.15	CR					4073
5.3	5.8	0.5	C	MCL				4074
5.8	5.9	0.1	R					4075
5.9	6.3	0.4	CBSH					4076
6.3	6.4	0.1	R					4077
6.4	6.5	0.1	CBSH					4078
6.5	7	0.5	R					4079
7	7.25	0.25	CBSH					4080

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.25	7.5	0.25	R					4081
7.5	7.6	0.1	CBSH					4082
7.6	7.7	0.1	CR	MCM				4083
7.7	7.85	0.15	R					4084
7.85	7.95	0.1	CBSH					4085
7.95	9.65	1.7	R					4086
9.65	9.85	0.2	CBSH					4087
9.85	11.4	1.55	R					4088
11.4	11.5	0.1	CBSH					4089
11.5	13.35	1.85	R					4090
13.35	13.55	0.2	CBSH					4091
13.55	13.9	0.35	R					4092
13.9	14.1	0.2	CBSH					4093
14.1	14.3	0.2	R					4094
14.3	14.4	0.1	ASH					4095
14.4	16.75	2.35	R					4096
16.75	17	0.25	CBSH					4097
17	17.2	0.2	R					4098
17.2	17.6	0.4	CBSH					4099
17.6	19.9	2.3	R					4100
19.9	20.05	0.15	CBSH					4101
20.05	21.65	1.6	R					4102
21.65	21.9	0.25	CR					4103
21.9	22	0.1	C					4104
22	22.2	0.2	CBSH					4105
22.2	22.3	0.1	R					4106
22.3	22.55	0.25	CBSH					4107
22.55	22.65	0.1	CR					4108
22.65	22.8	0.15	CBSH					4109
22.8	23.2	0.4	R					4110
23.2	23.35	0.15	CR					4111
23.35	23.6	0.25	CBSH					4112
23.6	23.75	0.15	R					4113
23.75	24.1	0.35	CBSH					4114
24.1	24.5	0.4	R					4115
24.5	24.85	0.35	CBSH					4116
24.85	26	1.15	R					4117
26	26.2	0.2	ASH					4118
26.2	26.7	0.5	CBSH					4119
26.7	28.1	1.4	C	CBA				4120
28.1	28.55	0.45	DC	CBB				4121
28.55	28.7	0.15	C	CBB				4122
28.7	28.88	0.18	ND					4123
								4124
TH21-02							Dillon	4125
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4126
0	0.75	0.75	DEBRIS	DEBRIS				4127

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
0.75	1.7	0.95	CBSH		Starts in Gaylard	Normal stratigraphy		4128
1.7	2.2	0.5	R					4129
2.2	2.4	0.2	CBSH					4130
2.4	2.7	0.3	R					4131
2.7	3.1	0.4	CBSH					4132
3.1	3.9	0.8	R					4133
3.9	4.1	0.2	CBSH					4134
4.1	4.6	0.5	R					4135
4.6	5.1	0.5	CBSH					4136
5.1	5.2	0.1	CR					4137
5.2	5.4	0.2	CBSH					4138
5.4	5.5	0.1	CR					4139
5.5	6	0.5	CBSH					4140
6	6.3	0.3	CR					4141
6.3	6.5	0.2	DC	CAA				4142
6.5	7.4	0.9	C	CAA				4143
7.4	8.75	1.35	C	CAB				4144
8.75	9.3	0.55	CBSH					4145
9.3	10.65	1.35	C	MD				4146
10.65	10.8	0.15	DC	MD				4147
10.8	11.5	0.7	CBSH					4148
11.5	11.7	0.2	DC					4149
11.7	12.5	0.8	CBSH					4150
12.5	12.75	0.25	C					4151
12.75	13.1	0.35	CBSH					4152
13.1	13.2	0.1	C					4153
13.2	13.4	0.2	ND					4154
								4155
TH21-03							Dillon	4156
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4157
0	0.9	0.9	DEBRIS	DEBRIS				4158
0.9	1	0.1	CR		Starts in Gaylard	Normal stratigraphy		4159
1	1.15	0.15	CBSH					4160
1.15	1.4	0.25	R					4161
1.4	1.5	0.1	CBSH					4162
1.5	2.05	0.55	R					4163
2.05	2.3	0.25	CBSH					4164
2.3	2.45	0.15	CR					4165
2.45	2.9	0.45	CBSH					4166
2.9	3.2	0.3	CR					4167
3.2	5.05	1.85	C	CAA				4168
5.05	6.4	1.35	C	CAB				4169
6.4	6.7	0.3	CR					4170
6.7	6.9	0.2	CBSH					4171
6.9	7.05	0.15	C					4172
7.05	7.25	0.2	CR					4173
7.25	7.55	0.3	CBSH					4174

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.55	7.7	0.15	C					4175
7.7	7.85	0.15	CBSH					4176
7.85	8	0.15	CR					4177
8	8.25	0.25	CBSH					4178
8.25	8.4	0.15	CR					4179
8.4	9.6	1.2	C	MD				4180
9.6	9.85	0.25	CBSH					4181
9.85	10.25	0.4	R					4182
10.25	10.44	0.19	ND					4183
								4184
TH21-04							Dillon	4185
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4186
0	1	1	DEBRIS	DEBRIS				4187
1	1.2	0.2	CR		Starts in Gaylard	Normal stratigraphy		4188
1.2	2	0.8	R					4189
2	2.2	0.2	DC					4190
2.2	2.6	0.4	R					4191
2.6	2.75	0.15	CBSH					4192
2.75	2.95	0.2	R					4193
2.95	3.1	0.15	DC					4194
3.1	3.25	0.15	CBSH					4195
3.25	3.55	0.3	CR					4196
3.55	4.7	1.15	C	CAA				4197
4.7	5.4	0.7	C	CAB				4198
5.4	5.5	0.1	CR					4199
5.5	5.6	0.1	DC					4200
5.6	6.05	0.45	CBSH					4201
6.05	6.25	0.2	C					4202
6.25	6.5	0.25	CR					4203
6.5	6.65	0.15	R					4204
6.65	6.9	0.25	CBSH					4205
6.9	8.75	1.85	C	MD				4206
8.75	9.05	0.3	DC	MD				4207
9.05	9.2	0.15	C	MD				4208
9.2	9.4	0.2	CR					4209
9.4	9.7	0.3	CBSH					4210
9.7	9.9	0.2	CR					4211
9.9	9.95	0.05	CBSH					4212
9.95	10.05	0.1	CR					4213
10.05	10.15	0.1	CBSH					4214
								4215
TH21-05							Dillon	4216
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4217
0	0.85	0.85	DEBRIS	DEBRIS				4218
0.85	1.25	0.4	CBSH		Starts in Gaylard	Normal stratigraphy		4219
1.25	3.4	2.15	R					4220
3.4	3.6	0.2	CBSH					4221

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
3.6	4.1	0.5	R					4222
4.1	4.3	0.2	C	MEA				4223
4.3	4.4	0.1	DC	MEA				4224
4.4	4.6	0.2	C	MEA				4225
4.6	5	0.4	CR	MEA				4226
5	5.2	0.2	C	MEA				4227
5.2	5.3	0.1	CR					4228
5.3	5.45	0.15	CBSH					4229
5.45	5.85	0.4	CR					4230
5.85	6.1	0.25	R					4231
6.1	6.35	0.25	CBSH					4232
6.35	6.7	0.35	DC	MEB				4233
6.7	7.05	0.35	C	MEB				4234
7.05	7.3	0.25	CBSH					4235
7.3	7.9	0.6	R					4236
7.9	8.2	0.3	CBSH					4237
8.2	9.6	1.4	R					4238
9.6	10.1	0.5	CBSH					4239
10.1	11.8	1.7	R					4240
11.8	11.9	0.1	CBSH					4241
11.9	12.2	0.3	R					4242
12.2	12.4	0.2	CR					4243
12.4	12.55	0.15	CBSH					4244
12.55	13.4	0.85	R					4245
13.4	13.7	0.3	CBSH					4246
13.7	13.8	0.1	ASH					4247
13.8	13.9	0.1	CR					4248
13.9	14.25	0.35	CBSH					4249
14.25	15.25	1	R					4250
15.25	15.4	0.15	CBSH					4251
15.4	16.6	1.2	R					4252
16.6	16.7	0.1	CBSH					4253
16.7	17.2	0.5	R					4254
17.2	17.35	0.15	CBSH					4255
17.35	17.9	0.55	R					4256
17.9	18	0.1	CR					4257
18	18.1	0.1	CBSH					4258
18.1	18.55	0.45	R					4259
18.55	18.9	0.35	CBSH					4260
18.9	19.75	0.85	R					4261
19.75	20	0.25	CBSH					4262
20	20.5	0.5	R					4263
20.5	21.2	0.7	CBSH					4264
21.2	22	0.8	R					4265
22	22.1	0.1	CBSH					4266
22.1	22.6	0.5	R					4267
22.6	22.8	0.2	CR					4268

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
22.8	23.8	1	C	CAA				4269
23.8	23.95	0.15	DC	CAA				4270
23.95	24.3	0.35	CR					4271
24.3	24.4	0.1	C					4272
24.4	24.5	0.1	CBSH					4273
24.5	24.6	0.1	CR					4274
24.6	24.8	0.2	CBSH					4275
24.8	25	0.2	C	CAB				4276
25	25.4	0.4	CBSH	CAB				4277
25.4	25.5	0.1	CR	CAB				4278
25.5	25.7	0.2	DC	CAB				4279
25.7	25.8	0.1	CR	CAB				4280
25.8	26.05	0.25	C	CAB				4281
26.05	26.5	0.45	CBSH					4282
26.5	26.75	0.25	CR	MD				4283
26.75	27	0.25	DC	MD				4284
27	27.3	0.3	CBSH					4285
27.3	27.55	0.25	R					4286
27.55	27.75	0.2	CBSH					4287
27.75	28.3	0.55	R					4288
28.3	28.82	0.52	ND					4289
								4290
TH21-06							Dillon	4291
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4292
0	0.9	0.9	CBSH		Starts in Gaylard	Normal stratigraphy		4293
0.9	1.1	0.2	CR					4294
1.1	1.45	0.35	C	MEA				4295
1.45	1.7	0.25	ASH	MEA				4296
1.7	1.9	0.2	C	MEA				4297
1.9	2	0.1	CBSH					4298
2	2.1	0.1	CR					4299
2.1	2.35	0.25	CBSH					4300
2.35	2.4	0.05	CR					4301
2.4	2.8	0.4	CBSH					4302
2.8	2.9	0.1	R					4303
2.9	3.3	0.4	CBSH					4304
3.3	3.5	0.2	CR					4305
3.5	3.65	0.15	DC	MEB				4306
3.65	3.9	0.25	CR	MEB				4307
3.9	4.1	0.2	C	MEB				4308
4.1	4.25	0.15	CBSH					4309
4.25	4.4	0.15	CR					4310
4.4	5.8	1.4	R					4311
5.8	6.05	0.25	CR					4312
6.05	7.1	1.05	R					4313
7.1	7.3	0.2	CBSH					4314
7.3	7.4	0.1	R					4315

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.4	7.6	0.2	CBSH					4316
7.6	8.15	0.55	R					4317
8.15	8.45	0.3	CBSH					4318
8.45	9.2	0.75	R					4319
9.2	9.4	0.2	CBSH					4320
9.4	10.4	1	R					4321
10.4	10.6	0.2	CR					4322
10.6	11	0.4	CBSH					4323
11	11.4	0.4	CR					4324
11.4	11.6	0.2	CBSH					4325
11.6	11.8	0.2	C					4326
11.8	11.9	0.1	CR					4327
11.9	12.25	0.35	CBSH					4328
12.25	13.2	0.95	R					4329
13.2	13.3	0.1	CR					4330
13.3	13.5	0.2	CBSH					4331
13.5	13.9	0.4	CR					4332
13.9	14	0.1	DC					4333
14	14.35	0.35	CBSH					4334
14.35	17.3	2.95	R					4335
17.3	17.75	0.45	CBSH					4336
17.75	20.2	2.45	R					4337
20.2	20.45	0.25	CBSH					4338
20.45	20.6	0.15	CR					4339
20.6	22.3	1.7	C	CAA				4340
22.3	22.5	0.2	DC	CAB				4341
22.5	22.68	0.18	ND					4342
								4343
TH21-07							Dillon	4344
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4345
0	0.6	0.6	R		Starts in Gaylard	Normal stratigraphy		4346
0.6	1	0.4	CBSH					4347
1	1.3	0.3	R					4348
1.3	1.5	0.2	CBSH					4349
1.5	2.25	0.75	R					4350
2.25	2.45	0.2	CBSH					4351
2.45	2.9	0.45	R					4352
2.9	3.2	0.3	CBSH					4353
3.2	4.35	1.15	R					4354
4.35	4.8	0.45	CBSH					4355
4.8	5.3	0.5	R					4356
5.3	5.7	0.4	CBSH					4357
5.7	5.8	0.1	CR					4358
5.8	6.5	0.7	R					4359
6.5	6.6	0.1	CBSH					4360
6.6	6.85	0.25	R					4361
6.85	7.15	0.3	CBSH					4362

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.15	8.95	1.8	R					4363
8.95	9.05	0.1	CBSH					4364
9.05	9.5	0.45	R					4365
9.5	9.7	0.2	DC	MEA				4366
9.7	9.9	0.2	CR	MEA				4367
9.9	10.4	0.5	R					4368
10.4	10.5	0.1	C	MEB				4369
10.5	10.6	0.1	DC	MEB				4370
10.6	10.85	0.25	C	MEB				4371
10.85	11	0.15	CR					4372
11	13.3	2.3	R					4373
13.3	13.4	0.1	CBSH					4374
13.4	14.85	1.45	R					4375
14.85	15	0.15	CBSH					4376
15	15.1	0.1	R					4377
15.1	15.2	0.1	CBSH					4378
15.2	15.35	0.15	R					4379
15.35	15.75	0.4	CBSH					4380
15.75	16.1	0.35	R					4381
16.1	16.25	0.15	CBSH					4382
16.25	16.6	0.35	R					4383
16.6	16.8	0.2	CBSH					4384
16.8	17.3	0.5	R					4385
17.3	17.4	0.1	CBSH					4386
17.4	17.55	0.15	DC					4387
17.55	17.8	0.25	CR					4388
17.8	18.9	1.1	R					4389
18.9	19.6	0.7	CBSH					4390
19.6	22.7	3.1	R					4391
22.7	22.8	0.1	CBSH					4392
22.8	25.05	2.25	R					4393
25.05	25.4	0.35	CBSH					4394
25.4	25.65	0.25	CR					4395
25.65	27.2	1.55	C	CAA				4396
27.2	28.05	0.85	C	CAB				4397
28.05	28.3	0.25	DC	CAB				4398
28.3	28.5	0.2	CBSH					4399
28.5	28.6	0.1	ASH					4400
28.6	29.25	0.65	CBSH					4401
29.25	29.4	0.15	CBSH					4402
29.4	29.5	0.1	R					4403
29.5	30	0.5	CBSH					4404
30	30.1	0.1	CR					4405
30.1	30.8	0.7	CBSH					4406
30.8	31.3	0.5	R					4407
31.3	31.5	0.2	ND					4408
								4409

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
TH21-09							Dillon	4410
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4411
0	0.2	0.2	DEBRIS	DEBRIS				4412
0.2	0.5	0.3	CBSH		Starts in Gaylard	Normal stratigraphy		4413
0.5	0.7	0.2	CR					4414
0.7	1.2	0.5	CBSH					4415
1.2	1.3	0.1	ASH					4416
1.3	1.5	0.2	R					4417
1.5	1.7	0.2	C					4418
1.7	2.05	0.35	CBSH					4419
2.05	2.2	0.15	C					4420
2.2	2.7	0.5	R					4421
2.7	2.8	0.1	DC					4422
2.8	2.9	0.1	CBSH					4423
2.9	3.05	0.15	CR					4424
3.05	3.2	0.15	CBSH					4425
3.2	3.65	0.45	R					4426
3.65	3.9	0.25	C					4427
3.9	5.2	1.3	R					4428
5.2	5.45	0.25	CBSH					4429
5.45	8	2.55	R					4430
8	8.15	0.15	CBSH					4431
8.15	8.7	0.55	R					4432
8.7	9.1	0.4	CBSH					4433
9.1	9.65	0.55	R					4434
9.65	9.8	0.15	CBSH					4435
9.8	10.3	0.5	R					4436
10.3	10.5	0.2	CR					4437
10.5	10.9	0.4	R					4438
10.9	11.1	0.2	CBSH					4439
11.1	14.4	3.3	R					4440
14.4	14.6	0.2	ND					4441
								4442
TH21-13							Dillon	4443
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4444
0	0.15	0.15	DEBRIS	DEBRIS				4445
0.15	0.35	0.2	R		Starts in Gaylard	Normal stratigraphy		4446
0.35	0.75	0.4	CBSH					4447
0.75	0.9	0.15	R					4448
0.9	1	0.1	CBSH					4449
1	1.2	0.2	CR					4450
1.2	1.55	0.35	R					4451
1.55	1.9	0.35	CBSH					4452
1.9	3	1.1	R					4453
3	3.2	0.2	CBSH					4454
3.2	3.4	0.2	R					4455
3.4	3.5	0.1	CBSH					4456

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
3.5	4.7	1.2	R					4457
4.7	5	0.3	CBSH					4458
5	5.7	0.7	R					4459
5.7	5.8	0.1	ASH					4460
5.8	8.2	2.4	R					4461
8.2	8.4	0.2	CBSH					4462
8.4	10.9	2.5	R					4463
10.9	11	0.1	CBSH					4464
11	11.6	0.6	R					4465
11.6	11.7	0.1	CBSH					4466
11.7	12.25	0.55	R					4467
12.25	12.55	0.3	CBSH					4468
12.55	12.85	0.3	R					4469
12.85	13	0.15	ASH					4470
13	13.4	0.4	R					4471
13.4	13.6	0.2	CBSH					4472
13.6	13.85	0.25	R					4473
13.85	15.4	1.55	C	CBA				4474
15.4	15.85	0.45	DC	CBB				4475
15.85	16.7	0.85	C	CBB				4476
16.7	16.9	0.2	DC	CBB				4477
16.9	17.5	0.6	CBSH					4478
17.5	17.7	0.2	R					4479
17.7	17.8	0.1	CBSH					4480
17.8	18.15	0.35	R					4481
18.15	18.3	0.15	CBSH					4482
18.3	21.25	2.95	R					4483
21.25	21.5	0.25	ASH					4484
21.5	21.8	0.3	R					4485
21.8	21.9	0.1	CBSH					4486
21.9	22.25	0.35	DC	CCA				4487
22.25	24.8	2.55	C	CCA				4488
24.8	25.6	0.8	C	CCB				4489
25.6	31.3	5.7	ND					4490
								4491
TH21-14							Dillon	4492
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4493
0	0.1	0.1	DEBRIS	DEBRIS				4494
0.1	1.35	1.25	CBSH		Starts in Gaylard	Normal stratigraphy		4495
1.35	1.5	0.15	DC					4496
1.5	1.7	0.2	CR					4497
1.7	1.9	0.2	CBSH					4498
1.9	2.15	0.25	CR					4499
2.15	2.4	0.25	DC					4500
2.4	2.65	0.25	C					4501
2.65	3	0.35	DC					4502
3	3.7	0.7	CR					4503

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
3.7	3.8	0.1	C					4504
3.8	4	0.2	CR					4505
4	4.05	0.05	CBSH					4506
4.05	4.2	0.15	CR					4507
4.2	4.9	0.7	CBSH					4508
4.9	5.25	0.35	CR					4509
5.25	5.8	0.55	CBSH					4510
5.8	6.7	0.9	R					4511
6.7	7	0.3	CR					4512
7	7.4	0.4	R					4513
7.4	7.55	0.15	CBSH					4514
7.55	7.8	0.25	R					4515
7.8	7.95	0.15	CBSH					4516
7.95	8.1	0.15	DC	CBA				4517
8.1	9.4	1.3	C	CBA				4518
9.4	9.85	0.45	DC	CBB				4519
9.85	10.15	0.3	C	CBB				4520
10.15	14.2	4.05	ND					4521
								4522
TH21-15							Dillon	4523
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4524
0	0.2	0.2	DEBRIS	DEBRIS				4525
0.2	0.4	0.2	R		Starts in Gaylard	Normal stratigraphy		4526
0.4	0.5	0.1	CBSH					4527
0.5	0.6	0.1	CR					4528
0.6	0.7	0.1	CBSH					4529
0.7	1.15	0.45	CR					4530
1.15	1.25	0.1	DC					4531
1.25	1.35	0.1	C					4532
1.35	1.45	0.1	DC					4533
1.45	1.6	0.15	C					4534
1.6	1.85	0.25	DC					4535
1.85	2	0.15	C					4536
2	2.2	0.2	CBSH					4537
2.2	2.35	0.15	CR					4538
2.35	2.6	0.25	CBSH					4539
2.6	2.85	0.25	CR					4540
2.85	2.95	0.1	DC					4541
2.95	3.1	0.15	CR					4542
3.1	3.4	0.3	CBSH					4543
3.4	3.7	0.3	R					4544
3.7	3.95	0.25	CR					4545
3.95	4.35	0.4	CBSH					4546
4.35	5.8	1.45	R					4547
5.8	6.05	0.25	CBSH					4548
6.05	6.35	0.3	R					4549
6.35	6.55	0.2	CR					4550

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
6.55	6.9	0.35	R					4551
6.9	7	0.1	CBSH					4552
7	7.35	0.35	R					4553
7.35	7.5	0.15	CBSH					4554
7.5	10.05	2.55	R					4555
10.05	10.15	0.1	CBSH					4556
10.15	12.8	2.65	ND					4557
								4558
TH21-16							Dillon	4559
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4560
0	0.2	0.2	DEBRIS	DEBRIS				4561
0.2	0.65	0.45	CBSH		Starts in Gaylard	Normal stratigraphy		4562
0.65	1	0.35	R					4563
1	1.15	0.15	CBSH					4564
1.15	1.4	0.25	CR					4565
1.4	1.85	0.45	C					4566
1.85	1.95	0.1	CR					4567
1.95	2.05	0.1	DC					4568
2.05	2.2	0.15	CBSH					4569
2.2	2.4	0.2	CR					4570
2.4	2.6	0.2	C					4571
2.6	2.7	0.1	DC					4572
2.7	3.35	0.65	C					4573
3.35	3.55	0.2	DC					4574
3.55	3.75	0.2	CR					4575
3.75	4.05	0.3	CBSH					4576
4.05	4.25	0.2	C					4577
4.25	5	0.75	R					4578
5	5.15	0.15	CBSH					4579
5.15	5.35	0.2	CR					4580
5.35	5.95	0.6	R					4581
5.95	6.2	0.25	DC					4582
6.2	6.55	0.35	CBSH					4583
6.55	7.15	0.6	R					4584
7.15	7.3	0.15	CBSH					4585
7.3	7.5	0.2	R					4586
7.5	7.7	0.2	DC					4587
7.7	7.95	0.25	R					4588
7.95	8.05	0.1	CBSH					4589
8.05	8.3	0.25	R					4590
8.3	8.7	0.4	CBSH					4591
8.7	9	0.3	DC					4592
9	9.25	0.25	CBSH					4593
9.25	9.55	0.3	R					4594
9.55	9.7	0.15	CR					4595
9.7	10.15	0.45	R					4596
10.15	14.4	4.25	ND					4597

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
								4598
TH21-17							Dillon	4599
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4600
0	0.2	0.2	DEBRIS	DEBRIS				4601
0.2	0.6	0.4	R		Starts in Gaylard	Normal stratigraphy		4602
0.6	1	0.4	CBSH					4603
1	1.2	0.2	C					4604
1.2	1.3	0.1	CBSH					4605
1.3	1.65	0.35	DC					4606
1.65	1.9	0.25	CBSH					4607
1.9	3.55	1.65	R					4608
3.55	3.75	0.2	DC					4609
3.75	3.95	0.2	R					4610
3.95	4.15	0.2	CBSH					4611
4.15	4.3	0.15	R					4612
4.3	4.55	0.25	CBSH					4613
4.55	4.75	0.2	DC					4614
4.75	5.1	0.35	CBSH					4615
5.1	6.4	1.3	R					4616
6.4	6.95	0.55	CBSH					4617
6.95	7.5	0.55	R					4618
7.5	7.65	0.15	CR					4619
7.65	7.95	0.3	R					4620
7.95	8.05	0.1	CBSH					4621
8.05	8.4	0.35	R					4622
8.4	8.55	0.15	CBSH					4623
8.55	9.9	1.35	R					4624
9.9	10.1	0.2	CBSH					4625
10.1	10.3	0.2	R					4626
10.3	10.5	0.2	CR					4627
10.5	11.9	1.4	ND					4628
								4629
TH21-18							Dillon	4630
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4631
0	0.2	0.2	DEBRIS	DEBRIS				4632
0.2	0.45	0.25	R		Starts in Gaylard	Normal stratigraphy		4633
0.45	0.55	0.1	C					4634
0.55	0.9	0.35	CR					4635
0.9	1	0.1	CBSH					4636
1	1.1	0.1	CR					4637
1.1	1.7	0.6	C					4638
1.7	1.9	0.2	CR					4639
1.9	2	0.1	C					4640
2	2.2	0.2	DC					4641
2.2	2.6	0.4	CBSH					4642
2.6	3	0.4	R					4643
3	3.2	0.2	CBSH					4644

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
3.2	3.35	0.15	R					4645
3.35	3.55	0.2	CBSH					4646
3.55	3.75	0.2	C					4647
3.75	4.1	0.35	CBSH					4648
4.1	4.25	0.15	DC					4649
4.25	4.55	0.3	CBSH					4650
4.55	4.7	0.15	R					4651
4.7	4.9	0.2	CR					4652
4.9	6.7	1.8	R					4653
6.7	6.9	0.2	DC					4654
6.9	7.1	0.2	CBSH					4655
7.1	7.75	0.65	R					4656
7.75	7.9	0.15	CR					4657
7.9	8.1	0.2	CBSH					4658
8.1	9.4	1.3	R					4659
9.4	9.5	0.1	CBSH					4660
9.5	10.2	0.7	R					4661
10.2	10.45	0.25	CBSH					4662
10.45	11.45	1	R					4663
11.45	11.55	0.1	CBSH					4664
11.55	11.65	0.1	R					4665
11.65	11.9	0.25	CR					4666
11.9	13.4	1.5	C	CBA				4667
13.4	13.88	0.48	ND					4668
								4669
TH21-19							Dillon	4670
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4671
0	0.3	0.3	DEBRIS	DEBRIS				4672
0.3	0.95	0.65	R		Starts in Gaylard	Normal stratigraphy		4673
0.95	1.1	0.15	CBSH					4674
1.1	1.5	0.4	R					4675
1.5	1.7	0.2	CR					4676
1.7	2.4	0.7	R					4677
2.4	2.55	0.15	CBSH					4678
2.55	3.1	0.55	R					4679
3.1	3.5	0.4	CBSH					4680
3.5	3.7	0.2	R					4681
3.7	3.95	0.25	CBSH	MC				4682
3.95	4.1	0.15	R					4683
4.1	4.35	0.25	CBSH					4684
4.35	6.1	1.75	R					4685
6.1	6.25	0.15	CBSH					4686
6.25	6.5	0.25	C	MCL				4687
6.5	6.8	0.3	CR					4688
6.8	6.95	0.15	CBSH					4689
6.95	7.1	0.15	CR					4690
7.1	7.25	0.15	CBSH					4691

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.25	8.1	0.85	R					4692
8.1	8.5	0.4	CBSH	MCM				4693
8.5	10.2	1.7	R					4694
10.2	10.4	0.2	CBSH					4695
10.4	10.8	0.4	R					4696
10.8	10.95	0.15	CBSH					4697
10.95	11.3	0.35	R					4698
11.3	11.9	0.6	CBSH					4699
11.9	14.4	2.5	R					4700
14.4	14.7	0.3	CBSH					4701
14.7	15.75	1.05	R					4702
15.75	15.9	0.15	CBSH					4703
15.9	16.15	0.25	R					4704
16.15	16.35	0.2	CR					4705
16.35	17.45	1.1	R					4706
17.45	17.65	0.2	CBSH					4707
17.65	18.5	0.85	R					4708
18.5	18.6	0.1	CBSH					4709
18.6	18.85	0.25	R					4710
18.85	19.6	0.75	CBSH					4711
19.6	20.35	0.75	R					4712
20.35	20.5	0.15	CBSH					4713
20.5	20.95	0.45	R					4714
20.95	21.3	0.35	CBSH					4715
21.3	24.75	3.45	R					4716
24.75	24.9	0.15	CBSH					4717
24.9	25.2	0.3	R					4718
25.2	25.7	0.5	ND					4719
								4720
TH21-20							Dillon	4721
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4722
0	0.2	0.2	DEBRIS	DEBRIS				4723
0.2	0.8	0.6	R		Starts in Gaylard	Normal stratigraphy		4724
0.8	1.6	0.8	C	MC				4725
1.6	1.9	0.3	CBSH					4726
1.9	2.2	0.3	R					4727
2.2	2.3	0.1	CBSH					4728
2.3	3.2	0.9	R					4729
3.2	3.65	0.45	CBSH					4730
3.65	3.75	0.1	CR					4731
3.75	3.8	0.05	CBSH					4732
3.8	4.1	0.3	C	MCL				4733
4.1	4.7	0.6	CBSH					4734
4.7	5.3	0.6	R					4735
5.3	5.95	0.65	CBSH	MCM				4736
5.95	10.15	4.2	R					4737
10.15	10.4	0.25	CBSH					4738

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
10.4	10.65	0.25	R					4739
10.65	10.9	0.25	CBSH					4740
10.9	12.15	1.25	R					4741
12.15	12.4	0.25	IRST					4742
12.4	16.9	4.5	R					4743
16.9	17.2	0.3	CR					4744
17.2	17.4	0.2	CBSH					4745
17.4	17.85	0.45	R					4746
17.85	18	0.15	CBSH					4747
18	18.9	0.9	R					4748
18.9	19.2	0.3	CBSH					4749
19.2	22	2.8	R					4750
22	30.5	8.5	ND					4751
								4752
TH21-21							Dillon	4753
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4754
0	0.35	0.35	DEBRIS	DEBRIS				4755
0.35	0.4	0.05	CR		Starts in Gaylard	Normal stratigraphy		4756
0.4	0.8	0.4	R					4757
0.8	1.1	0.3	CBSH					4758
1.1	1.75	0.65	C	MC				4759
1.75	2	0.25	R					4760
2	2.15	0.15	CBSH					4761
2.15	2.3	0.15	R					4762
2.3	2.5	0.2	CBSH					4763
2.5	2.75	0.25	C	MCL				4764
2.75	2.85	0.1	DC	MCL				4765
2.85	3.5	0.65	CBSH					4766
3.5	3.9	0.4	R					4767
3.9	4.1	0.2	CBSH					4768
4.1	4.25	0.15	CR	MCM				4769
4.25	4.35	0.1	CBSH					4770
4.35	4.5	0.15	R					4771
4.5	4.6	0.1	CBSH					4772
4.6	6.6	2	R					4773
6.6	6.9	0.3	CR					4774
6.9	7	0.1	CBSH					4775
7	7.8	0.8	R					4776
7.8	7.95	0.15	CBSH					4777
7.95	8.9	0.95	R					4778
8.9	9.05	0.15	CBSH					4779
9.05	11.15	2.1	R					4780
11.15	11.5	0.35	CBSH					4781
11.5	11.8	0.3	R					4782
11.8	12	0.2	CBSH					4783
12	12.4	0.4	R					4784
12.4	12.7	0.3	CBSH					4785

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
12.7	14.35	1.65	R					4786
14.35	14.5	0.15	CBSH					4787
14.5	14.7	0.2	R					4788
14.7	15.2	0.5	CBSH					4789
15.2	18.95	3.75	R					4790
18.95	19.1	0.15	CR					4791
19.1	21.3	2.2	R					4792
21.3	21.5	0.2	CBSH					4793
21.5	21.95	0.45	R					4794
21.95	22.35	0.4	CBSH					4795
22.35	22.85	0.5	ND					4796
								4797
TH21-22							Dillon	4798
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4799
0	0.7	0.7	DEBRIS	DEBRIS				4800
0.7	0.9	0.2	R		Starts in Gaylard	Normal stratigraphy		4801
0.9	1.05	0.15	CBSH					4802
1.05	2.9	1.85	R					4803
2.9	3.1	0.2	CR					4804
3.1	4.1	1	CBSH					4805
4.1	4.7	0.6	R					4806
4.7	4.9	0.2	CBSH					4807
4.9	5.25	0.35	R					4808
5.25	7	1.75	C	CBA				4809
7	7.15	0.15	DC	CBB				4810
7.15	8.1	0.95	C	CBB				4811
8.1	8.3	0.2	DC	CBB				4812
8.3	8.45	0.15	CR					4813
8.45	9	0.55	CBSH					4814
9	9.1	0.1	R					4815
9.1	9.35	0.25	CBSH					4816
9.35	10	0.65	R					4817
10	10.5	0.5	CBSH					4818
10.5	10.9	0.4	R					4819
10.9	11	0.1	CBSH					4820
11	11.65	0.65	R					4821
11.65	11.95	0.3	CBSH					4822
11.95	12.45	0.5	R					4823
12.45	13	0.55	ND					4824
								4825
TH21-23							Dillon	4826
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4827
0	0.3	0.3	DEBRIS	DEBRIS				4828
0.3	0.95	0.65	R		Starts in Gaylard	Normal stratigraphy		4829
0.95	1.2	0.25	CBSH					4830
1.2	1.5	0.3	R					4831
1.5	1.8	0.3	CBSH					4832

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
1.8	2.2	0.4	R					4833
2.2	3	0.8	CBSH					4834
3	3.1	0.1	R					4835
3.1	3.2	0.1	CBSH					4836
3.2	3.55	0.35	R					4837
3.55	4.05	0.5	CBSH					4838
4.05	4.8	0.75	R					4839
4.8	4.9	0.1	CBSH					4840
4.9	6.1	1.2	R					4841
6.1	7.85	1.75	C	CBA				4842
7.85	8	0.15	DC	CBB				4843
8	9.1	1.1	C	CBB				4844
9.1	9.3	0.2	DC	CBB				4845
9.3	9.45	0.15	CBSH					4846
9.45	9.6	0.15	CR					4847
9.6	10	0.4	R					4848
10	10.2	0.2	CBSH					4849
10.2	11.2	1	ND					4850
								4851
TH21-24							Dillon	4852
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4853
0	0.35	0.35	DEBRIS	DEBRIS				4854
0.35	2	1.65	R		Starts in Gaylard	Normal stratigraphy		4855
2	2.4	0.4	CBSH					4856
2.4	2.65	0.25	CR					4857
2.65	2.85	0.2	R					4858
2.85	3	0.15	CBSH					4859
3	3.15	0.15	R					4860
3.15	3.65	0.5	CBSH					4861
3.65	3.85	0.2	R					4862
3.85	4	0.15	CBSH					4863
4	4.4	0.4	R					4864
4.4	4.7	0.3	CBSH					4865
4.7	5.05	0.35	R					4866
5.05	5.2	0.15	CR					4867
5.2	5.98	0.78	R					4868
5.98	6.15	0.17	CBSH					4869
6.15	6.5	0.35	R					4870
6.5	6.7	0.2	CBSH					4871
6.7	8.45	1.75	C	CBA				4872
8.45	8.6	0.15	DC	CBB				4873
8.6	9.55	0.95	C	CBB				4874
9.55	9.8	0.25	DC	CBB				4875
9.8	10.05	0.25	CR					4876
10.05	10.3	0.25	CBSH					4877
10.3	11.5	1.2	ND					4878
								4879

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
BR21RC-22							Dillon	4880
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4881
0	2.85	2.85	DEBRIS	DRIFT				4882
2.85	12.9	10.05	TILL	DRIFT				4883
12.9	14.2	1.3	CBSH		Starts in Gaylard	Normal stratigraphy		4884
14.2	18.6	4.4	R					4885
18.6	18.7	0.1	CBSH					4886
18.7	26.85	8.15	R					4887
26.85	29	2.15	C	CBA				4888
29	30.3	1.3	C	CBB				4889
30.3	30.5	0.2	DC	CBB				4890
30.5	31.5	1	C	CBB				4891
31.5	31.6	0.1	DC	CBB				4892
31.6	32	0.4	C	CBB				4893
32	32.1	0.1	CR					4894
32.1	32.2	0.1	DC					4895
32.2	32.3	0.1	CR					4896
32.3	32.45	0.15	DC					4897
32.45	32.6	0.15	CBSH					4898
32.6	34.65	2.05	R					4899
34.65	34.8	0.15	CBSH					4900
34.8	47.65	12.85	R					4901
47.65	47.75	0.1	FAULT		Possible			4902
47.75	59.7	11.95	R		Starts in Gaylard	Normal stratigraphy		4903
59.7	59.85	0.15	CR					4904
59.85	65.35	5.5	C	CCA				4905
65.35	71.15	5.8	C	CCB				4906
71.15	71.4	0.25	CBSH					4907
71.4	71.9	0.5	R					4908
71.9	72.45	0.55	CBSH					4909
72.45	72.7	0.25	DC	MB				4910
72.7	72.9	0.2	C	MB				4911
72.9	73.05	0.15	CBSH					4912
73.05	79.3	6.25	R					4913
79.3	79.65	0.35	CBSH					4914
79.65	80.1	0.45	ND					4915
								4916
BR21RC-23							Dillon	4917
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		4918
0	14.85	14.85	DUMP	DRIFT				4919
14.85	16.9	2.05	TILL	DRIFT				4920
16.9	18	1.1	R		Starts in Gaylard	Normal stratigraphy		4921
18	18.2	0.2	CBSH					4922
18.2	29.3	11.1	R					4923
29.3	29.7	0.4	CBSH					4924
29.7	30.5	0.8	CR	MAA				4925
30.5	30.7	0.2	CBSH	MAA				4926

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
30.7	30.8	0.1	CR	MAA				4927
30.8	30.9	0.1	CBSH	MAA				4928
30.9	31.1	0.2	CR	MAA				4929
31.1	31.3	0.2	CBSH					4930
31.3	36	4.7	R					4931
36	36.5	0.5	CBSH					4932
36.5	37.45	0.95	R					4933
37.45	37.75	0.3	CBSH					4934
37.75	41.1	3.35	R					4935
41.1	41.3	0.2	CR					4936
41.3	42	0.7	FAULT		Probable			4937
42	48.7	6.7	R		Starts in Gaylard	Normal stratigraphy		4938
48.7	48.9	0.2	FAULT		Probable			4939
48.9	51.15	2.25	R		Starts in Gaylard	Normal stratigraphy		4940
51.15	51.35	0.2	CBSH					4941
51.35	51.5	0.15	CR					4942
51.5	51.7	0.2	CBSH					4943
51.7	52.25	0.55	R					4944
52.25	52.35	0.1	CBSH					4945
52.35	52.5	0.15	R					4946
52.5	52.6	0.1	CBSH					4947
52.6	57	4.4	R					4948
57	57.2	0.2	CBSH					4949
57.2	58.3	1.1	R					4950
58.3	58.5	0.2	CBSH					4951
58.5	58.6	0.1	CR					4952
58.6	60.7	2.1	R					4953
60.7	60.9	0.2	CR					4954
60.9	61.05	0.15	DC					4955
61.05	61.2	0.15	CBSH					4956
61.2	61.9	0.7	R					4957
61.9	62	0.1	CBSH					4958
62	62.8	0.8	R					4959
62.8	63	0.2	CBSH					4960
63	63.15	0.15	CR					4961
63.15	63.5	0.35	R					4962
63.5	63.85	0.35	CBSH					4963
63.85	86	22.15	R					4964
86	86.5	0.5	IRST					4965
86.5	96.7	10.2	R					4966
96.7	97	0.3	CBSH					4967
97	98.1	1.1	R					4968
98.1	98.3	0.2	DC	MA				4969
98.3	99.95	1.65	C	MA				4970
99.95	100.1	0.15	DC	MAB				4971
100.1	101.4	1.3	C	MAB				4972
101.4	106.3	4.9	R					4973

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
106.3	106.45	0.15	CBSH					4974
106.45	106.6	0.15	R					4975
106.6	106.8	0.2	CBSH					4976
106.8	107	0.2	DC	MAG				4977
107	107.2	0.2	CBSH					4978
107.2	107.35	0.15	R					4979
107.35	107.5	0.15	CBSH					4980
107.5	107.65	0.15	DC	MAH				4981
107.65	107.9	0.25	CR	MAH				4982
107.9	108.15	0.25	CBSH					4983
108.15	109.7	1.55	R					4984
109.7	110.05	0.35	CBSH					4985
110.05	110.5	0.45	R					4986
110.5	110.7	0.2	CBSH					4987
110.7	110.9	0.2	DC	MAL				4988
110.9	111.1	0.2	CR					4989
111.1	111.2	0.1	DC	MAP				4990
111.2	111.3	0.1	CR	MAP				4991
111.3	112.4	1.1	DC	MAP				4992
112.4	114.4	2	R					4993
114.4	114.5	0.1	CBSH					4994
114.5	114.75	0.25	CR	MAR				4995
114.75	115	0.25	CBSH					4996
115	128.4	13.4	R					4997
128.4	128.9	0.5	ND					4998
								4999
BR21RC-24							Dillon	5000
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5001
0	7.8	7.8	COLLUVIUM	DRIFT				5002
7.8	8.4	0.6	R		Starts in Gaylard	Normal stratigraphy		5003
8.4	9.4	1	DC	MDH				5004
9.4	9.55	0.15	C	MDH				5005
9.55	10	0.45	DC	MDH				5006
10	11	1	C	MDH				5007
11	11.75	0.75	CR					5008
11.75	12.4	0.65	R					5009
12.4	12.6	0.2	CBSH	MDJ				5010
12.6	13.4	0.8	R					5011
13.4	13.55	0.15	CBSH	MDK				5012
13.55	16.15	2.6	R					5013
16.15	16.3	0.15	CR					5014
16.3	17.1	0.8	C	MDL				5015
17.1	17.35	0.25	DC	MDL				5016
17.35	17.55	0.2	CR					5017
17.55	17.85	0.3	CBSH					5018
17.85	22.65	4.8	R					5019

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
22.65	22.8	0.15	CBSH					5020
22.8	35.05	12.25	R					5021
35.05	35.4	0.35	CBSH					5022
35.4	42.2	6.8	R					5023
42.2	42.65	0.45	CBSH					5024
42.65	43.05	0.4	R					5025
43.05	43.25	0.2	CBSH					5026
43.25	44.75	1.5	R					5027
44.75	45.1	0.35	CBSH					5028
45.1	47.15	2.05	R					5029
47.15	49.2	2.05	R	MCD				5030
49.2	49.55	0.35	CBSH	MCD				5031
49.55	55.3	5.75	R	MCD				5032
55.3	56.3	1	R					5033
56.3	56.5	0.2	CBSH					5034
56.5	59.4	2.9	R					5035
59.4	59.95	0.55	CBSH					5036
59.95	66.4	6.45	R					5037
66.4	66.5	0.1	CBSH					5038
66.5	69.7	3.2	R					5039
69.7	70.15	0.45	CBSH					5040
70.15	71.3	1.15	R					5041
71.3	71.5	0.2	CBSH					5042
71.5	72	0.5	C	MC				5043
72	72.15	0.15	CR	MC				5044
72.15	72.25	0.1	DC	MC				5045
72.25	72.35	0.1	FAULT		Probable			5046
72.35	72.5	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		5047
72.5	75.2	2.7	R					5048
75.2	75.5	0.3	IRST					5049
75.5	76.05	0.55	R					5050
76.05	76.25	0.2	CBSH					5051
76.25	76.45	0.2	C	MC				5052
76.45	77.1	0.65	DC	MC				5053
77.1	77.4	0.3	CR					5054
77.4	77.55	0.15	ASH					5055
77.55	77.6	0.05	CBSH					5056
77.6	77.75	0.15	R					5057
77.75	78.15	0.4	CBSH					5058
78.15	81.3	3.15	R					5059
81.3	81.5	0.2	CBSH					5060
81.5	81.7	0.2	DC	MCL				5061
81.7	81.8	0.1	C	MCL				5062
81.8	82	0.2	DC	MCL				5063
82	82.2	0.2	CBSH					5064
82.2	88.2	6	R					5065
88.2	88.5	0.3	CBSH	MCM				5066

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
88.5	88.9	0.4	R					5067
88.9	89	0.1	FAULT		Possible			5068
89	111.6	22.6	R		Starts in Gaylard	Normal stratigraphy		5069
111.6	112.1	0.5	CBSH	MCN				5070
112.1	118.15	6.05	R					5071
118.15	118.3	0.15	CBSH					5072
118.3	119.85	1.55	C	CBA				5073
119.85	120.8	0.95	C	CBB				5074
120.8	121	0.2	DC	CBB				5075
121	122.05	1.05	R					5076
122.05	122.2	0.15	CBSH					5077
122.2	122.65	0.45	C	MM				5078
122.65	123	0.35	CBSH					5079
123	123.2	0.2	DC	CCA				5080
123.2	125	1.8	C	CCA				5081
125	128.4	3.4	C	CCB				5082
128.4	128.55	0.15	CBSH					5083
128.55	129.8	1.25	R					5084
129.8	130.25	0.45	CBSH	MB				5085
130.25	130.45	0.2	DC	MB				5086
130.45	130.5	0.05	CBSH	MB				5087
130.5	130.6	0.1	FAULT		Possible			5088
130.6	141.25	10.65	R		Starts in Gaylard	Normal stratigraphy		5089
141.25	141.6	0.35	CBSH					5090
141.6	141.85	0.25	R					5091
141.85	142.9	1.05	DC	MAA				5092
142.9	143.6	0.7	CBSH					5093
143.6	145.35	1.75	R					5094
145.35	146.45	1.1	CBSH					5095
146.45	148.2	1.75	R					5096
148.2	148.6	0.4	CBSH					5097
148.6	153.2	4.6	R					5098
153.2	153.45	0.25	CBSH					5099
153.45	153.6	0.15	CR					5100
153.6	153.8	0.2	CBSH					5101
153.8	154.2	0.4	R					5102
154.2	154.35	0.15	CBSH					5103
154.35	157.25	2.9	R					5104
157.25	157.5	0.25	IRST					5105
157.5	158.7	1.2	R					5106
158.7	159.05	0.35	CBSH					5107
159.05	159.85	0.8	R					5108
159.85	160	0.15	CBSH					5109
160	160.4	0.4	CR					5110
160.4	161.75	1.35	R					5111
161.75	162	0.25	ASH					5112
162	162.4	0.4	CBSH					5113

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
162.4	188.35	25.95	R					5114
188.35	188.7	0.35	CBSH					5115
188.7	189.55	0.85	R					5116
189.55	189.9	0.35	IRST					5117
189.9	196.65	6.75	R					5118
196.65	197.05	0.4	CBSH					5119
197.05	198.05	1	C	MA				5120
198.05	198.3	0.25	DC	MA				5121
198.3	198.8	0.5	CBSH					5122
198.8	199.5	0.7	C	MAB				5123
199.5	201.4	1.9	R					5124
201.4	201.6	0.2	CBSH					5125
201.6	201.85	0.25	DC	MAG				5126
201.85	202	0.15	CR					5127
202	202.2	0.2	CBSH					5128
202.2	202.3	0.1	CR					5129
202.3	202.5	0.2	DC	MAH				5130
202.5	207.4	4.9	R					5131
207.4	207.95	0.55	CR					5132
207.95	208.4	0.45	DC	MAP				5133
208.4	208.6	0.2	CBSH					5134
208.6	232.1	23.5	R					5135
232.1	232.5	0.4	CBSH	MAS				5136
232.5	232.6	0.1	CR	MAS				5137
232.6	232.85	0.25	CBSH	MAS				5138
232.85	244.8	11.95	R					5139
244.8	245.2	0.4	CBSH	MAT				5140
245.2	248.1	2.9	R					5141
248.1	248.62	0.52	ND					5142
								5143
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5144
BR21RC-25							Dillon	5145
0	11.85	11.85	DRIFT	DRIFT				5146
11.85	12.8	0.95	R		Starts in Gaylard	Normal stratigraphy		5147
12.8	12.9	0.1	CBSH					5148
12.9	13	0.1	R					5149
13	13.3	0.3	CBSH					5150
13.3	16.1	2.8	R					5151
16.1	16.35	0.25	CBS					5152
16.35	18.5	2.15	C	MDH				5153
18.5	18.75	0.25	CBSH					5154
18.75	24.15	5.4	R					5155
24.15	24.35	0.2	CBSH					5156
24.35	25.05	0.7	C	MDL				5157
25.05	25.15	0.1	DC	MDL				5158
25.15	25.3	0.15	C	MDL				5159
25.3	25.5	0.2	CR					5160

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
25.5	25.6	0.1	R					5161
25.6	26.1	0.5	CBSH					5162
26.1	29.15	3.05	R					5163
29.15	29.3	0.15	CBSH					5164
29.3	32.4	3.1	R					5165
32.4	32.6	0.2	CBSH					5166
32.6	41.05	8.45	R					5167
41.05	41.2	0.15	CBSH					5168
41.2	42.6	1.4	R					5169
42.6	44	1.4	R	MCD				5170
44	44.35	0.35	CBSH					5171
444.35	58.6	14.25	R					5172
58.6	58.8	0.2	CBSH					5173
58.8	59	0.2	CR					5174
59	62.65	3.65	R					5175
62.65	63.2	0.55	CBSH					5176
63.2	63.8	0.6	R					5177
63.8	64.1	0.3	CR					5178
64.1	64.5	0.4	CBSH					5179
64.5	64.7	0.2	CR					5180
64.7	64.9	0.2	CBSH					5181
64.9	65.15	0.25	R					5182
65.15	65.3	0.15	CBSH					5183
65.3	66.5	1.2	R					5184
66.5	66.6	0.1	CBSH					5185
66.6	66.7	0.1	R					5186
66.7	67.2	0.5	CBSH					5187
67.2	70.7	3.5	R					5188
70.7	71.05	0.35	CBSH					5189
71.05	71.3	0.25	R					5190
71.3	71.65	0.35	CBSH					5191
71.65	72.6	0.95	R					5192
72.6	73.2	0.6	C	MC				5193
73.2	73.3	0.1	DC	MCB				5194
73.3	73.35	0.05	CBSH					5195
73.35	73.5	0.15	FAULT		Possible			5196
73.5	73.65	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		5197
73.65	74.9	1.25	R					5198
74.9	75.15	0.25	FAULT		Probable			5199
75.15	78	2.85	R		Starts in Gaylard	Normal stratigraphy		5200
78	78.2	0.2	CBSH					5201
78.2	78.85	0.65	DC	MC				5202
78.85	79	0.15	CBSH					5203
79	79.2	0.2	ASH					5204
79.2	79.4	0.2	CBSH					5205
79.4	79.8	0.4	CR	MCB				5206
79.8	79.9	0.1	DC	MCB				5207

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
79.9	80.3	0.4	CBSH					5208
80.3	80.45	0.15	R					5209
80.45	80.8	0.35	CBSH					5210
80.8	83	2.2	R					5211
83	83.3	0.3	CBSH					5212
83.3	83.5	0.2	CR					5213
83.5	83.7	0.2	C	MCL				5214
83.7	83.95	0.25	DC	MCL				5215
83.95	84.2	0.25	CBSH					5216
84.2	85.25	1.05	R					5217
85.25	85.7	0.45	CBSH					5218
85.7	90.15	4.45	R					5219
90.15	90.4	0.25	CBSH	MCM				5220
90.4	108.85	18.45	R					5221
108.85	109.4	0.55	CBSH	MCN				5222
109.4	114.3	4.9	R					5223
114.3	114.5	0.2	CBSH					5224
114.5	115.85	1.35	C	CBA				5225
115.85	116	0.15	DC	CBB				5226
116	117	1	C	CBB				5227
117	117.2	0.2	DC	CBB				5228
117.2	117.35	0.15	CBSH					5229
117.35	117.95	0.6	R					5230
117.95	118.15	0.2	CBSH					5231
118.15	118.7	0.55	C	MM				5232
118.7	119	0.3	CBSH					5233
119	119.15	0.15	CR					5234
119.15	121.7	2.55	C	CCA				5235
121.7	124.3	2.6	C	CCB				5236
124.3	124.5	0.2	CBSH					5237
124.5	126.7	2.2	R					5238
126.7	126.95	0.25	CBSH					5239
126.95	127.3	0.35	CR	MB				5240
127.3	127.5	0.2	DC	MB				5241
127.5	137	9.5	R					5242
137	137.2	0.2	CBSH					5243
137.2	137.35	0.15	CR					5244
137.35	137.45	0.1	CBSH					5245
137.45	137.8	0.35	R					5246
137.8	138.05	0.25	DC	MAA				5247
138.05	138.2	0.15	CR	MAA				5248
138.2	138.6	0.4	DC	MAA				5249
138.6	138.8	0.2	CR	MAA				5250
138.8	138.95	0.15	CBSH	MAA				5251
138.95	139.3	0.35	CR	MAA				5252
139.3	139.45	0.15	CBSH					5253
139.45	142.3	2.85	R					5254

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
142.3	142.45	0.15	CBSH					5255
142.45	142.6	0.15	R					5256
142.6	143.3	0.7	CBSH					5257
143.3	143.45	0.15	CR					5258
143.45	143.55	0.1	CBSH					5259
143.55	144.75	1.2	R					5260
144.75	145.1	0.35	CBSH					5261
145.1	146.25	1.15	R					5262
146.25	146.6	0.35	IRST					5263
146.6	147.8	1.2	R					5264
147.8	148	0.2	CBSH					5265
148	148.15	0.15	DC					5266
148.15	148.35	0.2	CBSH					5267
148.35	153.55	5.2	R					5268
153.55	153.75	0.2	CBSH					5269
153.75	156.45	2.7	R					5270
156.45	156.8	0.35	CR					5271
156.8	181.25	24.45	R					5272
181.25	181.7	0.45	CBSH					5273
181.7	190.7	9	R					5274
190.7	190.95	0.25	CBSH					5275
190.95	191.2	0.25	DC	MA				5276
191.2	192.25	1.05	C	MA				5277
192.25	192.35	0.1	DC	MA				5278
192.35	192.5	0.15	C	MA				5279
192.5	192.6	0.1	CR					5280
192.6	193	0.4	CBSH					5281
193	193.1	0.1	DC	MAB				5282
193.1	194	0.9	C	MAB				5283
194	195.7	1.7	R					5284
195.7	196	0.3	CBSH					5285
196	196.4	0.4	CR	MAG				5286
196.4	196.6	0.2	CBSH					5287
196.6	196.9	0.3	DC	MAH				5288
196.9	197	0.1	FAULT		Established			5289
197	197.15	0.15	CBSH		Starts in Gaylard	Normal stratigraphy		5290
197.15	199	1.85	R					5291
199	199.15	0.15	CBSH					5292
199.15	199.25	0.1	CR	MAG				5293
199.25	199.4	0.15	DC	MAG				5294
199.4	199.7	0.3	CR	MAG				5295
199.7	200	0.3	DC	MAH				5296
200	200.2	0.2	C	MAH				5297
200.2	200.35	0.15	CBSH					5298
200.35	206.9	6.55	R					5299
206.9	207	0.1	IRST					5300

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
207	212.3	5.3	R					5301
212.3	212.7	0.4	FAULT		Possible			5302
212.7	213.4	0.7	R		Starts in Gaylard	Unknown stratigraphy		5303
213.4	213.91	0.51	ND					5304
								5305
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5306
BR21RC-26							Dillon	5307
0	7.75	7.75	DRIFT	DRIFT				5308
7.75	8.85	1.1	R		Starts in Gaylard	Normal stratigraphy		5309
8.85	9.1	0.25	CBSH					5310
9.1	9.4	0.3	C	MDH				5311
9.4	9.5	0.1	DC	MDH				5312
9.5	9.6	0.1	C	MDH				5313
9.6	9.85	0.25	DC	MDH				5314
9.85	11.85	2	C	MDH				5315
11.85	13.5	1.65	R					5316
13.5	13.8	0.3	CBSH					5317
13.8	14.7	0.9	R					5318
14.7	15.15	0.45	CBSH					5319
15.15	16.8	1.65	R					5320
16.8	17	0.2	CBSH					5321
17	18	1	C	MDL				5322
18	18.25	0.25	CR					5323
18.25	18.85	0.6	CBSH					5324
18.85	19.5	0.65	R					5325
19.5	19.75	0.25	CBSH					5326
19.75	21.7	1.95	R					5327
21.7	21.8	0.1	CBSH					5328
21.8	22	0.2	R					5329
22	22.15	0.15	CBSH					5330
22.15	22.35	0.2	R					5331
22.35	22.5	0.15	CBSH					5332
22.5	24.65	2.15	R					5333
24.65	24.8	0.15	CBSH					5334
24.8	26.4	1.6	R					5335
26.4	26.5	0.1	CBSH					5336
26.5	32.3	5.8	R					5337
32.3	32.4	0.1	CBSH					5338
32.4	35.3	2.9	R					5339
35.3	35.4	0.1	CBSH					5340
35.4	37.7	2.3	R					5341
37.7	38.8	1.1	R	MCD				5342
38.8	39.05	0.25	CBSH					5343
39.05	39.2	0.15	CR					5344
39.2	46.3	7.1	R					5345
46.3	46.4	0.1	CBSH					5346

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
46.4	46.9	0.5	R					5347
46.9	47	0.1	ASH					5348
47	50.45	3.45	R					5349
50.45	50.6	0.15	CBSH					5350
50.6	53.7	3.1	R					5351
53.7	53.85	0.15	CBSH					5352
53.85	54.1	0.25	DC	MC				5353
54.1	54.2	0.1	CBSH					5354
54.2	55	0.8	R					5355
55	55.4	0.4	CBSH					5356
55.4	57.25	1.85	R					5357
57.25	57.6	0.35	CBSH					5358
57.6	58.05	0.45	R					5359
58.05	58.4	0.35	CR	MCL				5360
58.4	58.8	0.4	CBSH					5361
58.8	58.9	0.1	FAULT		Possible			5362
58.9	59.15	0.25	CBSH		Starts in Gaylard	Normal stratigraphy		5363
59.15	60.75	1.6	R					5364
60.75	61	0.25	CBSH					5365
61	64.1	3.1	R					5366
64.1	64.4	0.3	CBSH					5367
64.4	65.15	0.75	R					5368
65.15	65.3	0.15	CBSH					5369
65.3	66.05	0.75	R					5370
66.05	66.2	0.15	CBSH					5371
66.2	66.4	0.2	DC	MDH				5372
66.4	66.6	0.2	CR					5373
66.6	66.85	0.25	CBSH					5374
66.85	66.95	0.1	CR					5375
66.95	67.05	0.1	DC	MDL				5376
67.05	67.1	0.05	CR	MDL				5377
67.1	67.3	0.2	C	MDL				5378
67.3	67.55	0.25	CBSH					5379
67.55	69.1	1.55	R	MCD				5380
69.1	73.25	4.15	R					5381
73.25	73.4	0.15	CBSH					5382
73.4	73.55	0.15	C	MC				5383
73.55	74.1	0.55	DC	MC				5384
74.1	74.15	0.05	CR	MC				5385
74.15	74.25	0.1	DC	MC				5386
74.25	74.5	0.25	ASH					5387
74.5	74.6	0.1	R					5388
74.6	74.75	0.15	CBSH					5389
74.75	75.1	0.35	CR	MCB				5390
75.1	77.7	2.6	R					5391
77.7	77.9	0.2	CR					5392
77.9	78.15	0.25	CBSH					5393

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
78.15	78.85	0.7	R					5394
78.85	78.9	0.05	CBSH					5395
78.9	79.05	0.15	CR					5396
79.05	79.25	0.2	C	MCL				5397
79.25	79.4	0.15	DC	MCL				5398
79.4	79.6	0.2	CBSH					5399
79.6	84.3	4.7	R					5400
84.3	84.45	0.15	CBSH					5401
84.45	85.3	0.85	R					5402
85.3	85.65	0.35	CBSH	MCM				5403
85.65	100.4	14.75	R					5404
100.4	100.55	0.15	CBSH	MCN				5405
100.55	105.2	4.65	R					5406
105.2	105.35	0.15	CBSH					5407
105.35	106.8	1.45	C	CBA				5408
106.8	106.95	0.15	DC	CBB				5409
106.95	107.85	0.9	C	CBB				5410
107.85	108.1	0.25	DC	CBB				5411
108.1	108.3	0.2	CBSH					5412
108.3	108.95	0.65	R					5413
108.95	109.15	0.2	CBSH					5414
109.15	109.6	0.45	C	MM				5415
109.6	109.75	0.15	CR					5416
109.75	110.1	0.35	R					5417
110.1	113.25	3.15	C	CCA				5418
113.25	114.7	1.45	C	CCB				5419
114.7	114.95	0.25	DC	CCB				5420
114.95	115.1	0.15	C	CCB				5421
115.1	115.2	0.1	DC	CCB				5422
115.2	115.3	0.1	C	CCB				5423
115.3	115.45	0.15	DC	CCB				5424
115.45	116.2	0.75	C	CCB				5425
116.2	116.4	0.2	CBSH					5426
116.4	118.45	2.05	R					5427
118.45	118.7	0.25	CBSH					5428
118.7	118.95	0.25	CR					5429
118.95	119.1	0.15	DC	MB				5430
119.1	119.3	0.2	C	MB				5431
119.3	119.5	0.2	CBSH					5432
119.5	130.1	10.6	R					5433
130.1	130.35	0.25	CSH					5434
130.35	130.55	0.2	CR					5435
130.55	130.85	0.3	R					5436
130.85	131.1	0.25	CBSH					5437
131.1	131.3	0.2	DC	MAA				5438
131.3	131.4	0.1	CR	MAA				5439
131.4	131.5	0.1	C	MAA				5440

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
131.5	131.55	0.05	DC	MAA				5441
131.55	131.7	0.15	C	MAA				5442
131.7	131.9	0.2	DC	MAA				5443
131.9	132.4	0.5	CR					5444
132.4	132.6	0.2	CBSH					5445
132.6	134.65	2.05	R					5446
134.65	134.8	0.15	CBSH					5447
134.8	134.95	0.15	R					5448
134.95	135.3	0.35	CBSH					5449
135.3	135.45	0.15	R					5450
135.45	135.65	0.2	CBSH					5451
135.65	135.8	0.15	CR					5452
135.8	136	0.2	CBSH					5453
136	137.2	1.2	R					5454
137.2	137.7	0.5	CBSH					5455
137.7	139.3	1.6	R					5456
139.3	139.55	0.25	IRST					5457
139.55	140.7	1.15	R					5458
140.7	140.85	0.15	CBSH					5459
140.85	141.05	0.2	CR					5460
141.05	141.25	0.2	CBSH					5461
141.25	147.1	5.85	R					5462
147.1	147.2	0.1	CBSH					5463
147.2	147.35	0.15	CR					5464
147.35	149.8	2.45	R					5465
149.8	150.05	0.25	CBSH					5466
150.05	150.3	0.25	CR					5467
150.3	151.3	1	R					5468
151.3	151.8	0.5	CBSH					5469
151.8	159.2	7.4	R					5470
159.2	159.3	0.1	CBSH					5471
159.3	160.76	1.46	R					5472
160.76	160.9	0.14	CBSH					5473
160.9	164.58	3.68	R					5474
164.58	165.06	0.48	ND					5475
								5476
BR21RC-27							Dillon	5477
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5478
0	5.45	5.45	DRIFT	DRIFT				5479
5.45	14.6	9.15	R		Starts in Gaylard	Normal stratigraphy		5480
14.6	15.1	0.5	R	MCD				5481
15.1	15.2	0.1	CBSH	MCD				5482
15.2	15.35	0.15	R	MCD				5483
15.35	22.75	7.4	R					5484
22.75	23.1	0.35	CBSH					5485
23.1	28.75	5.65	R					5486
28.75	28.85	0.1	CBSH					5487

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
28.85	30.05	1.2	R					5488
30.05	30.15	0.1	CBSH					5489
30.15	30.6	0.45	R					5490
30.6	30.7	0.1	CBSH					5491
30.7	30.9	0.2	ASH					5492
30.9	31	0.1	CBSH					5493
31	31.2	0.2	R					5494
31.2	31.55	0.35	CBSH					5495
31.55	34.8	3.25	R					5496
34.8	35.1	0.3	CBSH					5497
35.1	38.05	2.95	R					5498
38.05	38.3	0.25	CR	MC				5499
38.3	38.4	0.1	CBSH					5500
38.4	38.7	0.3	R					5501
38.7	39	0.3	CBSH					5502
39	40.05	1.05	R					5503
40.05	40.2	0.15	CBSH					5504
40.2	40.3	0.1	CR	MCB				5505
40.3	40.5	0.2	CBSH					5506
40.5	42.3	1.8	R					5507
42.3	43	0.7	CBSH					5508
43	43.15	0.15	CR	MCL				5509
43.15	43.4	0.25	CBSH					5510
43.4	43.55	0.15	R					5511
43.55	43.85	0.3	CBSH					5512
43.85	44.9	1.05	R					5513
44.9	45	0.1	FAULT		Possible			5514
45	45.3	0.3	R		Starts in Gaylard	Normal stratigraphy		5515
45.3	45.6	0.3	CBSH					5516
45.6	48.2	2.6	R					5517
48.2	48.6	0.4	CBSH					5518
48.6	49.05	0.45	R					5519
49.05	49.2	0.15	CBSH					5520
49.2	50.85	1.65	R					5521
50.85	50.95	0.1	CBSH					5522
50.95	51.1	0.15	C	MDH				5523
51.1	51.3	0.2	CBSH					5524
51.3	52	0.7	R					5525
52	52.2	0.2	C	MDL				5526
52.2	52.35	0.15	DC	MDL				5527
52.35	52.5	0.15	CR					5528
52.5	52.7	0.2	CBSH					5529
52.7	52.8	0.1	R					5530
52.8	53.2	0.4	R	MCD				5531
53.2	62.3	9.1	R					5532
62.3	62.5	0.2	CBSH					5533
62.5	62.7	0.2	C	MC				5534

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
62.7	62.85	0.15	CR	MC				5535
62.85	63.15	0.3	DC	MC				5536
63.15	63.3	0.15	C	MC				5537
63.3	63.5	0.2	CR					5538
63.5	64.1	0.6	CBSH					5539
64.1	64.2	0.1	CR	MCB				5540
64.2	64.5	0.3	CBSH					5541
64.5	65.45	0.95	R					5542
65.45	66.3	0.85	CBSH					5543
66.3	66.6	0.3	CR					5544
66.6	66.8	0.2	C	MCL				5545
66.8	67	0.2	CR					5546
67	67.65	0.65	CBSH					5547
67.65	71.3	3.65	R					5548
71.3	71.4	0.1	CBSH					5549
71.4	71.5	0.1	R					5550
71.5	72.45	0.95	CBSH	MCM				5551
72.45	72.95	0.5	R					5552
72.95	73.35	0.4	CBSH					5553
73.35	96.7	23.35	R					5554
96.7	96.9	0.2	CBSH					5555
96.9	97.4	0.5	CR	MCN				5556
97.4	97.65	0.25	CBSH					5557
97.65	102.3	4.65	R					5558
102.3	102.5	0.2	CBSH					5559
102.5	104	1.5	C	CBA				5560
104	104.45	0.45	DC	CBB				5561
104.45	105.3	0.85	C	CBB				5562
105.3	105.55	0.25	DC	CBB				5563
105.55	105.75	0.2	CBSH					5564
105.75	106.75	1	R					5565
106.75	107.3	0.55	C	MM				5566
107.3	107.7	0.4	CBSH					5567
107.7	107.9	0.2	DC	CCA				5568
107.9	108.05	0.15	CBSH	CCA				5569
108.05	108.2	0.15	DC	CCA				5570
108.2	110.45	2.25	C	CCA				5571
110.45	113.8	3.35	C	CCB				5572
113.8	114	0.2	CBSH					5573
114	115.35	1.35	R					5574
115.35	115.7	0.35	CBSH					5575
115.7	116.1	0.4	DC	MB				5576
116.1	127.2	11.1	R					5577
127.2	127.5	0.3	CBSH					5578
127.5	127.8	0.3	C	MAA				5579
127.8	128.5	0.7	DC	MAA				5580
128.5	128.75	0.25	C	MAA				5581

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
128.75	129.25	0.5	DC	MAA				5582
129.25	129.5	0.25	CR	MAA				5583
129.5	129.7	0.2	DC	MAA				5584
129.7	131.15	1.45	R					5585
131.15	132.25	1.1	CBSH					5586
132.25	132.4	0.15	CR					5587
132.4	132.85	0.45	CBSH					5588
132.85	133	0.45	CR					5589
133	133.2	0.2	CBSH					5590
133.2	136.9	3.7	R					5591
136.9	137.2	0.3	DC					5592
137.2	137.45	0.25	CBSH					5593
137.45	142.8	5.35	R					5594
142.8	143.25	0.45	CBSH					5595
143.25	143.5	0.25	DC					5596
143.5	143.75	0.25	CBSH					5597
143.75	145.1	1.35	R					5598
145.1	145.15	0.05	CBSH					5599
145.15	145.3	0.15	ASH					5600
145.3	146.5	1.2	R					5601
146.5	146.6	0.1	CBSH					5602
146.6	146.7	0.1	R					5603
146.7	146.9	0.2	CBSH					5604
146.9	153.7	6.8	R					5605
153.7	154	0.3	CBSH					5606
154	154.2	0.2	CR					5607
154.2	157.05	2.85	R					5608
157.05	157.2	0.15	CR					5609
157.2	157.4	0.2	CBSH					5610
157.4	157.8	0.4	CR					5611
157.8	158	0.2	CBSH					5612
158	158.55	0.55	R					5613
158.55	158.7	0.15	CBSH					5614
158.7	160.7	2	R					5615
160.7	161	0.3	CBSH					5616
161	161.1	0.1	ASH					5617
161.1	161.3	0.2	R					5618
161.3	161.4	0.1	CBSH					5619
161.4	163.5	2.1	R					5620
163.5	163.7	0.2	IRST					5621
163.7	186.35	22.65	R					5622
186.35	186.6	0.25	CBSH					5623
186.6	199.3	12.7	R					5624
199.3	199.6	0.3	CBSH					5625
199.6	199.9	0.3	DC	MA				5626
199.9	201.3	1.4	C	MA				5627
201.3	201.5	0.2	CR					5628

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
201.5	201.7	0.2	R					5629
201.7	201.95	0.25	CBSH					5630
201.95	202.7	0.75	C	MAB				5631
202.7	202.85	0.15	CBSH					5632
202.85	204.85	2	R					5633
204.85	205.05	0.2	CBSH					5634
205.05	205.3	0.25	CR	MAG				5635
205.3	205.65	0.35	CBSH	MAG				5636
205.65	206	0.35	CR	MAG				5637
206	206.2	0.2	CBSH					5638
206.2	208.35	2.15	R					5639
208.35	208.5	0.15	CBSH					5640
208.5	208.95	0.45	CR					5641
208.95	209.3	0.35	DC	MAH				5642
209.3	209.5	0.2	C	MAH				5643
209.5	209.7	0.2	CBSH					5644
209.7	219.5	9.8	R					5645
219.5	219.93	0.43	ND					5646
								5647
BR21RC-28							Dillon	5648
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5649
0	5.1	5.1	DRIFT	DRIFT				5650
5.1	29.2	17.1	R		Starts in Gaylard	Normal stratigraphy		5651
29.2	30.5	1.3	R	MCD				5652
30.5	30.7	0.2	CR					5653
30.7	30.85	0.15	CBSH					5654
30.85	43.05	12.2	R					5655
43.05	43.5	0.45	CBSH					5656
43.5	45.7	2.2	R					5657
45.7	45.8	0.1	CR					5658
45.8	46.1	0.3	CBSH					5659
46.1	46.4	0.3	R					5660
46.4	46.5	0.1	CBSH					5661
46.5	49.45	2.95	R					5662
49.45	49.9	0.45	CBSH					5663
49.9	53.3	3.4	R					5664
53.3	53.85	0.55	CBSH					5665
53.85	54	0.15	DC	MC				5666
54	54.1	0.1	R	MC				5667
54.1	54.35	0.25	DC	MC				5668
54.35	55.05	0.7	R					5669
55.05	55.2	0.15	CR	MCB				5670
55.2	55.4	0.2	CBSH					5671
55.4	57.9	2.5	R					5672
57.9	58	0.1	CBSH					5673
58	58.15	0.15	CR	MCL				5674
58.15	61	2.85	R					5675

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
61	61.15	0.15	CBSH	MCM				5676
61.15	61.3	0.15	R	MCM				5677
61.3	61.4	0.1	CBSH	MCM				5678
61.4	62.4	1	R					5679
62.4	62.6	0.2	FAULT		Probable			5680
62.6	65.2	2.6	R		Starts in Gaylard	Normal stratigraphy		5681
65.2	65.4	0.2	CBSH					5682
65.4	65.5	0.1	DC	MDH				5683
65.5	65.85	0.35	C	MDH				5684
65.85	66.9	1.05	R					5685
66.9	67.1	0.2	CBSH					5686
67.1	67.4	0.3	C	MDL				5687
67.4	67.8	0.4	CR					5688
67.8	68	0.2	CBSH					5689
68	70.7	2.7	R	MCD				5690
70.7	82.4	11.7	R					5691
82.4	82.65	0.25	CBSH					5692
82.65	82.85	0.2	DC	MC				5693
82.85	82.95	0.1	CR	MC				5694
82.95	83.1	0.15	DC	MC				5695
83.1	83.2	0.1	CR	MC				5696
83.2	83.4	0.2	DC	MC				5697
83.4	83.5	0.1	CR	MC				5698
83.5	83.6	0.1	DC	MC				5699
83.6	83.8	0.2	CBSH					5700
83.8	83.95	0.15	R					5701
83.95	84.3	0.35	CBSH					5702
84.3	84.8	0.5	CR	MCB				5703
84.8	85.2	0.4	R					5704
85.2	85.35	0.15	CBSH					5705
85.35	87.1	1.75	R					5706
87.1	87.35	0.25	CBSH					5707
87.35	87.75	0.4	DC	MCL				5708
87.75	88	0.25	CBSH					5709
88	92.15	4.15	R					5710
92.15	92.3	0.15	CBSH	MCM				5711
92.3	92.85	0.55	R	MCM				5712
92.85	93	0.15	CBSH	MCM				5713
93	107.6	14.6	R					5714
107.6	108.2	0.6	CBSH	MCN				5715
108.2	109.5	1.3	R					5716
109.5	109.6	0.1	CR					5717
109.6	109.75	0.15	CBSH					5718
109.75	110	0.25	FAULT		Probable			5719
110	110.2	0.2	CR	MCN	Starts in Gaylard	Normal stratigraphy		5720
110.2	110.3	0.1	CBSH	MCN				5721
110.3	110.5	0.2	C	MCN				5722

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
110.5	110.85	0.35	DC	MCN				5723
110.85	111.15	0.3	CBSH					5724
111.15	111.9	0.75	R					5725
111.9	112.1	0.2	CBSH					5726
112.1	113.6	1.5	C	CBA				5727
113.6	114.1	0.5	DC	CBB				5728
114.1	115	0.9	C	CBB				5729
115	115.1	0.1	CBSH					5730
115.1	115.25	0.15	CR					5731
115.25	116.1	0.85	R					5732
116.1	116.4	0.3	CBSH					5733
116.4	116.7	0.3	C	MM				5734
116.7	116.95	0.25	CR					5735
116.95	117.2	0.25	CBSH					5736
117.2	117.4	0.2	DC	CCA				5737
117.4	122.6	5.2	C	CCA				5738
122.6	130.9	8.3	C	CCB				5739
130.9	131	0.1	CR					5740
131	131.3	0.3	FAULT		Established			5741
131.3	132.4	1.1	R		Starts in Gaylard	Normal stratigraphy		5742
132.4	132.7	0.3	CBSH					5743
132.7	133.4	0.7	C	MM				5744
133.4	133.6	0.2	CR					5745
133.6	134	0.4	CBSH					5746
134	137	3	C	CCA				5747
137	140.85	3.85	C	CCB				5748
140.85	141	0.15	FAULT		Probable			5749
141	141.8	0.8	C	CCB	Starts in Gaylard	Normal stratigraphy		5750
141.8	142.2	0.4	DC	CCB				5751
142.2	142.45	0.25	C	CCB				5752
142.45	143.95	1.5	CR					5753
143.95	144.3	0.35	R					5754
144.3	144.5	0.2	CR	MB				5755
144.5	144.7	0.2	DC	MB				5756
144.7	144.85	0.15	CBSH					5757
144.85	157.7	12.85	R					5758
157.7	158.15	0.45	CBSH					5759
158.15	158.4	0.25	R					5760
158.4	158.65	0.25	CBSH					5761
158.65	158.75	0.1	DC	MAA				5762
158.75	158.9	0.15	CR	MAA				5763
158.9	159.15	0.25	DC	MAA				5764
159.15	159.4	0.25	C	MAA				5765
159.4	159.6	0.2	DC	MAA				5766
159.6	160.2	0.6	CR					5767
160.2	160.4	0.2	CBSH					5768
160.4	162.9	2.5	R					5769

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
162.9	163.2	0.3	CBSH					5770
163.2	163.3	0.1	R					5771
163.3	163.4	0.1	CBSH					5772
163.4	163.6	0.2	R					5773
163.6	163.7	0.1	CBSH					5774
163.7	164.8	1.1	R					5775
164.8	165.15	0.35	IRST					5776
165.15	165.25	0.1	R					5777
165.25	165.55	0.3	CBSH					5778
165.55	169.1	3.55	R					5779
169.1	169.4	0.3	CBSH					5780
169.4	169.55	0.15	CR					5781
169.55	169.8	0.25	CBSH					5782
169.8	175.5	5.7	R					5783
175.5	175.75	0.25	CBSH					5784
175.75	175.9	0.15	CR					5785
175.9	176.1	0.2	CBSH					5786
176.1	177.3	1.2	R					5787
177.3	177.45	0.15	CBSH					5788
177.45	177.7	0.25	CR					5789
177.7	177.9	0.2	CBSH					5790
177.9	179.3	1.4	R					5791
179.3	179.7	0.4	CBSH					5792
179.7	182.4	2.7	R					5793
182.4	182.85	0.45	CBSH					5794
182.85	184.45	1.6	R					5795
184.45	184.7	0.25	ASH					5796
184.7	185	0.3	CR					5797
185	185.2	0.2	CBSH					5798
185.2	195.3	10.1	R					5799
195.3	195.5	0.2	IRST					5800
195.5	200.6	5.1	R					5801
200.6	200.9	0.3	IRST					5802
200.9	203.05	2.15	R					5803
203.05	203.4	0.35	IRST					5804
203.4	218.5	15.1	R					5805
218.5	218.8	0.3	CR					5806
218.8	219	0.2	DC	MA				5807
219	220.2	1.2	C	MA				5808
220.2	220.35	0.15	DC	MA				5809
220.35	220.45	0.1	CR					5810
220.45	220.6	0.15	CBSH					5811
220.6	220.8	0.2	CR					5812
220.8	222.15	1.35	C	MAB				5813
222.15	222.4	0.25	CBSH					5814
222.4	224.55	2.15	R					5815
224.55	225	0.45	CBSH					5816

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
225	225.3	0.3	DC	MAG				5817
225.3	225.7	0.4	CBSH	MAG				5818
225.7	225.9	0.2	DC	MAG				5819
225.9	226.05	0.15	CR					5820
226.05	229	2.95	R					5821
229	229.4	0.4	DC	MAH				5822
229.4	229.5	0.1	CBSH	MAH				5823
229.5	229.65	0.15	DC	MAH				5824
229.65	229.8	0.15	CBSH	MAH				5825
229.8	230.15	0.35	DC	MAH				5826
230.15	232	1.85	ND					5827
								5828
BR21RC-29							Brule	5829
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5830
0	9.3	9.3	DRIFT	DRIFT				5831
9.3	14.7	5.4	R		Starts in Gaylard	Normal stratigraphy		5832
14.7	15.05	0.35	CR					5833
15.05	15.15	0.1	DC					5834
15.15	15.4	0.25	CBSH					5835
15.4	16.35	0.95	R					5836
16.35	16.8	0.45	CBSH					5837
16.8	17.3	0.5	R					5838
17.3	17.4	0.1	CBSH					5839
17.4	17.6	0.2	DC					5840
17.6	17.85	0.25	CBSH					5841
17.85	59.95	42.1	R					5842
59.95	60.45	0.5	IRST					5843
60.45	76.1	15.65	R					5844
76.1	76.55	0.45	CBSH					5845
76.55	76.6	0.05	R					5846
76.6	76.85	0.25	CBSH					5847
76.85	82	5.15	R					5848
82	82.2	0.2	CBSH					5849
82.2	82.35	0.15	R					5850
82.35	82.5	0.15	CBSH					5851
82.5	83.85	1.35	R					5852
83.85	84.05	0.2	CBSH					5853
84.05	84.4	0.35	C	MA				5854
84.4	84.6	0.2	DC	MA				5855
84.6	84.8	0.2	CBSH					5856
84.8	84.9	0.1	CR					5857
84.9	85	0.1	CBSH					5858
85	85.2	0.2	FAULT		Possible			5859
85.2	86.05	0.85	DC	MA	Starts in Gaylard	Normal stratigraphy		5860
86.05	86.2	0.15	C	MA				5861
86.2	86.55	0.35	CR					5862
86.55	86.85	0.3	DC	MAB				5863

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
86.85	87.25	0.4	C	MAB				5864
87.25	87.45	0.2	CBSH					5865
87.45	92.7	5.25	R					5866
92.7	93.15	0.45	CBSH					5867
93.15	93.45	0.3	DC	MAG				5868
93.45	93.6	0.15	C	MAG				5869
93.6	94.2	0.6	R					5870
94.2	94.5	0.3	CBSH					5871
94.5	95	0.5	DC	MAH				5872
95	95.25	0.25	CBSH	MAH				5873
95.25	95.45	0.2	DC					5874
95.45	103.9	8.45	R					5875
103.9	104.39	0.49	ND					5876
								5877
BR21RC-30							Brule	5878
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5879
0	5.5	5.5	FILL	DRIFT				5880
5.5	13.2	7.7	R		Starts in Gaylard	Normal stratigraphy		5881
13.2	13.3	0.1	CBSH					5882
13.3	14.8	1.5	R					5883
14.8	14.9	0.1	CR					5884
14.9	15.4	0.5	R					5885
15.4	15.5	0.1	CBSH					5886
15.5	18.9	3.4	R					5887
18.9	19	0.1	IRST					5888
19	19.45	0.45	R					5889
19.45	19.6	0.15	CBSH					5890
19.6	19.7	0.1	R					5891
19.7	19.85	0.15	CBSH					5892
19.85	21.05	1.2	R					5893
21.05	21.3	0.25	CBSH	MAS				5894
21.3	21.4	0.1	R	MAS				5895
21.4	21.5	0.1	CR	MAS				5896
21.5	21.8	0.3	CBSH	MAS				5897
21.8	30.75	8.95	R					5898
30.75	30.95	0.2	CBSH					5899
30.95	31.4	0.45	DC	MAT				5900
31.4	31.7	0.3	CBSH					5901
31.7	53	21.3	R					5902
53	53.25	0.25	CBSH	MAV				5903
53.25	53.4	0.15	CR	MAV				5904
53.4	53.6	0.2	ASH	MAV				5905
53.6	53.9	0.3	CBSH	MAV				5906
53.9	62.5	8.6	R					5907
62.5	62.7	0.2	CBSH					5908
62.7	62.85	0.15	CR					5909
62.85	63.05	0.2	CBSH					5910

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
63.05	70	6.95	R					5911
70	70.15	0.15	CBSH					5912
70.15	72.6	2.45	R					5913
72.6	73	0.4	CR					5914
73	73.2	0.2	CBSH					5915
73.2	76.3	3.1	R					5916
76.3	76.4	0.1	CBSH					5917
76.4	92.3	15.9	R					5918
92.3	92.75	0.45	CBSH					5919
92.75	103.5	10.75	R					5920
103.5	114.15	10.65	R		Gaylard Unit 1	Top of Basal Sandstone		5921
114.15	114.35	0.2	CBSH	MAX				5922
114.35	114.5	0.15	CR	MAX				5923
114.5	114.7	0.2	CBSH	MAX				5924
114.7	116.3	1.6	R					5925
116.3	116.65	0.35	CBSH	MAY				5926
116.65	128.4	11.75	R					5927
128.4	129	0.6	ND					5928
								5929
BR21RC-31							Brule	5930
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5931
0	5.2	5.2	DRIFT	DRIFT				5932
5.2	9.65	4.45	R		Starts in Gaylard	Normal stratigraphy		5933
9.65	10.35	0.7	CBSH					5934
10.35	11	0.65	R					5935
11	11.25	0.25	DC	MA				5936
11.25	12.25	1	C	MA				5937
12.25	12.5	0.25	DC	MA				5938
12.5	12.65	0.15	C	MA				5939
12.65	12.8	0.15	DC	MA				5940
12.8	12.9	0.1	CR					5941
12.9	13.4	0.5	C	MAB				5942
13.4	13.55	0.15	CBSH					5943
13.55	18.55	5	R					5944
18.55	18.8	0.25	CBSH	MAG				5945
18.8	18.95	0.15	DC	MAG				5946
18.95	19.1	0.15	CBSH	MAG				5947
19.1	19.5	0.4	R					5948
19.5	19.8	0.3	CBSH	MAH				5949
19.8	20.1	0.3	DC	MAH				5950
20.1	20.3	0.2	CBSH	MAH				5951
20.3	21.7	1.4	R					5952
21.7	21.8	0.1	CBSH					5953
21.8	24.5	2.7	R					5954
24.5	24.7	0.2	CBSH	MAP				5955
24.7	24.95	0.25	CR	MAP				5956

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
24.95	25.2	0.25	CBSH	MAP				5957
25.2	25.45	0.25	CR	MAP				5958
25.45	27.1	1.65	R					5959
27.1	27.5	0.4	CBSH	MAR				5960
27.5	27.7	0.2	DC	MAR				5961
27.7	30.3	2.6	R					5962
30.3	30.8	0.5	CBSH					5963
30.8	32.05	1.25	R					5964
32.05	32.3	0.25	CBSH					5965
32.3	38.8	6.5	R					5966
38.8	39.05	0.25	IRST					5967
39.05	39.2	0.15	R					5968
39.2	39.6	0.4	CBSH	MAS				5969
39.6	46.2	6.6	R					5970
46.2	46.45	0.25	CBSH	MAT				5971
46.45	59.9	13.45	R					5972
59.9	60.35	0.45	CBSH	MAV				5973
60.35	60.5	0.15	ASH	MAV				5974
60.5	60.7	0.2	CBSH	MAV				5975
60.7	72.7	12	R					5976
72.7	72.8	0.1	CBSH					5977
72.8	74.9	2.1	R					5978
74.9	75.05	0.15	CBSH					5979
75.05	93.7	18.65	R					5980
93.7	94	0.3	CBSH					5981
94	95	1	ND					5982
								5983
BR21RC-32							Dillon	5984
From	To	Thick	Lithology	Bed name	Stratigraphy	Comments		5985
0	7.7	7.7	DRIFT	DRIFT				5986
7.7	10.95	2.25	R		Starts in Gaylard	Normal stratigraphy		5987
10.95	11.1	0.15	CBSH					5988
11.1	17.75	6.65	R					5989
17.75	17.95	0.2	CBSH					5990
17.95	22.3	4.35	R					5991
22.3	24.6	2.3	R	MCD				5992
24.6	32.95	8.35	R					5993
32.95	33.2	0.25	CBSH					5994
33.2	33.35	0.15	R					5995
33.35	33.65	0.3	CBSH					5996
33.65	34	0.35	R					5997
34	34.35	0.35	CBSH					5998
34.35	36.3	1.95	R					5999
36.3	36.6	0.3	CBSH					6000
36.6	42.9	6.3	R					6001
42.9	43.4	0.5	CBSH					6002
43.4	44.8	1.4	R					6003

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
44.8	45.3	0.5	C	MC				6004
45.3	45.4	0.1	DC	MC				6005
45.4	45.6	0.2	DC	MCB				6006
45.6	45.9	0.3	CR	MCB				6007
45.9	46	0.1	R					6008
46	46.1	0.1	FAULT		Probable			6009
46.1	50.65	4.55	R		Starts in Gaylard	Normal stratigraphy		6010
50.65	50.85	0.2	CBSH					6011
50.85	51.1	0.25	C	MC				6012
51.1	51.5	0.4	DC	MC				6013
51.5	51.6	0.1	C	MC				6014
51.6	51.75	0.15	CR	MC				6015
51.75	51.9	0.15	DC	MC				6016
51.9	52.4	0.5	CBSH					6017
52.4	52.6	0.2	CR	MCB				6018
52.6	52.8	0.2	CBSH					6019
52.8	58.6	5.8	R					6020
58.6	58.95	0.35	C	MCL				6021
58.95	59.15	0.2	DC	MCL				6022
59.15	59.4	0.25	CBSH					6023
59.4	65.9	6.5	R					6024
65.9	66.25	0.35	CBSH					6025
66.25	66.95	0.7	R					6026
66.95	67.25	0.3	CBSH	MCM				6027
67.25	79.55	12.3	R					6028
79.55	79.7	0.15	FAULT		Probable			6029
79.7	79.95	0.25	CBSH	MCL	Starts in Gaylard	Normal stratigraphy		6030
79.95	88.2	8.25	R					6031
88.2	88.55	0.35	CBSH	MCM				6032
88.55	100.4	11.85	R					6033
100.4	100.7	0.3	CBSH	MCN				6034
100.7	100.85	0.15	CR	MCN				6035
100.85	100.95	0.1	CBSH	MCN				6036
100.95	110.8	9.85	R					6037
110.8	110.9	0.1	CBSH					6038
110.9	112.45	1.55	C	CBA				6039
112.45	113.6	1.15	C	CBB				6040
113.6	113.85	0.25	CBSH					6041
113.85	115.1	1.25	R					6042
115.1	115.25	0.15	CBSH					6043
115.25	116.6	1.35	C	MM				6044
116.6	116.95	0.35	DC	CCA				6045
116.95	119.25	2.3	C	CCA				6046
119.25	122.35	3.1	C	CCB				6047
122.35	122.55	0.2	CBSH					6048
122.55	124.15	1.6	R					6049
124.15	124.65	0.5	CBSH					6050

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
124.65	124.95	0.3	DC	MB				6051
124.95	125.05	0.1	CBSH					6052
125.05	137.25	12.2	R					6053
137.25	137.55	0.3	CBSH					6054
137.55	138	0.45	R					6055
138	138.2	0.2	CR	MAA				6056
138.2	138.5	0.3	DC	MAA				6057
138.5	138.8	0.3	C	MAA				6058
138.8	138.95	0.15	DC	MAA				6059
138.95	139.5	0.55	CBSH	MAA				6060
139.5	139.6	0.1	CR	MAA				6061
139.6	139.85	0.25	CBSH	MAA				6062
139.85	140.9	1.05	R					6063
140.9	141.1	0.2	FAULT		Established			6064
141.1	141.2	0.1	CBSH	MAA	Starts in Gaylard	Normal stratigraphy		6065
141.2	141.3	0.1	CR	MAA				6066
141.3	141.45	0.15	DC	MAA				6067
141.45	141.85	0.4	C	MAA				6068
141.85	142.1	0.25	CR	MAA				6069
142.1	142.75	0.65	CBSH	MAA				6070
142.75	143.05	0.3	CR	MAA				6071
143.05	144.2	1.15	R					6072
144.2	144.7	0.5	CBSH					6073
144.7	145	0.3	CR					6074
145	145.5	0.5	R					6075
145.5	145.9	0.4	CBSH					6076
145.9	147.35	1.45	R					6077
147.35	147.7	0.35	CR					6078
147.7	147.8	0.1	CBSH					6079
147.8	152.5	4.7	R					6080
152.5	153	0.5	ND					6081
								6082
BR21RC-33							Dillon	6083
0	11.8	11.8	DRIFT	DRIFT				6084
11.8	30.3	18.5	R		Starts in Gaylard	Normal stratigraphy		6085
30.3	30.45	0.15	CBSH					6086
30.45	30.7	0.25	CR					6087
30.7	31	0.3	DC	CAA				6088
31	31.15	0.15	CR					6089
31.15	31.3	0.15	DC	CAB				6090
31.3	31.6	0.3	C	CAB				6091
31.6	31.85	0.25	DC	CAB				6092
31.85	32	0.15	CR					6093
32	32.3	0.3	DC	MD				6094
32.3	32.55	0.25	CR					6095
32.55	35.5	2.95	R					6096
35.5	36.45	0.95	CBSH					6097

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
36.45	36.6	0.15	CR	MDH				6098
36.6	36.7	0.1	CBSH					6099
36.7	40.9	4.2	R					6100
40.9	41.1	0.2	FAULT		Possible			6101
41.1	41.2	0.1	CBSH		Starts in Gaylard	Normal stratigraphy		6102
41.2	41.4	0.2	CR	MDH				6103
41.4	41.5	0.1	CBSH					6104
41.5	46.9	5.4	R					6105
46.9	47.3	0.4	CR	MDL				6106
47.3	47.5	0.2	CBSH					6107
47.5	50.35	2.85	R					6108
50.35	50.65	0.3	IRST					6109
50.65	53.1	2.45	R	MCD				6110
53.1	55.2	2.1	R					6111
55.2	55.5	0.3	CBSH					6112
55.5	61.6	6.1	R					6113
61.6	61.85	0.25	CBSH					6114
61.85	62.1	0.25	CR					6115
62.1	62.3	0.2	CBSH					6116
62.3	62.95	0.65	DC	MC				6117
62.95	63.1	0.15	CBSH					6118
63.1	65	1.9	R					6119
65	65.1	0.1	ASH					6120
65.1	65.45	0.35	R					6121
65.45	65.8	0.35	CR	MCB				6122
65.8	117	51.2	R					6123
117	117.1	0.1	CBSH	MCN				6124
117.1	119.4	2.3	R					6125
119.4	120.2	0.8	CBSH					6126
120.2	120.45	0.25	DC	CA				6127
120.45	122.05	1.6	C	CBA				6128
122.05	122.5	0.45	CR					6129
122.5	122.6	0.1	DC	CBB				6130
122.6	123.45	0.85	C	CBB				6131
123.45	123.65	0.2	CR					6132
123.65	128.8	5.15	R					6133
128.8	129.3	0.5	CBSH	MM				6134
129.3	129.6	0.3	R					6135
129.6	129.85	0.25	CR					6136
129.85	130.2	0.35	DC	CCA				6137
130.2	130.4	0.2	CBSH					6138
130.4	132.6	2.2	R	WASHOUT		WASHOUT CCB		6139
132.6	134.2	1.6	R					6140
134.2	134.5	0.3	C	MB				6141
134.5	134.75	0.25	CR	MB				6142
134.75	134.9	0.15	CBSH	MB				6143
134.9	135.1	0.2	DC	MB				6144

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
135.1	135.3	0.2	CR	MB				6145
135.3	135.45	0.15	CBSH	MB				6146
135.45	135.7	0.25	C	MB				6147
135.7	135.9	0.2	CR	MB				6148
135.9	140.5	4.6	R					6149
140.5	141	0.5	CBSH					6150
141	153.2	12.2	R					6151
153.2	153.35	0.15	CBSH					6152
153.35	158.6	5.25	R					6153
158.6	159	0.4	ND					6154
								6155
BR21RC-34							Dillon	6156
0	11.9	11.9	DRIFT	DRIFT				6157
11.9	24.1	12.2	R		Starts in Gaylard	Normal stratigraphy		6158
24.1	24.6	0.5	CBSH					6159
24.6	24.8	0.2	R					6160
24.8	25	0.2	CR					6161
25	25.7	0.7	CBSH					6162
25.7	25.95	0.25	R					6163
25.95	26.1	0.15	CR					6164
26.1	26.3	0.2	DC	MDH				6165
26.3	26.4	0.1	C	MDH				6166
26.4	26.7	0.3	DC	MDH				6167
26.7	27	0.3	CBSH					6168
27	27.3	0.3	R					6169
27.3	27.5	0.2	DC	MDL				6170
27.5	27.7	0.2	CBSH					6171
27.7	29.05	1.35	R					6172
29.05	29.25	0.2	CBSH					6173
29.25	30.6	1.35	R	MCD				6174
30.6	32.1	1.5	R					6175
32.1	32.6	0.5	CBSH					6176
32.6	32.7	0.1	CR					6177
32.7	33	0.3	CBSH					6178
33	33.35	0.35	R					6179
33.35	33.5	0.15	CBSH					6180
33.5	35.5	2	R					6181
35.5	35.6	0.1	CBSH					6182
35.6	36.75	1.15	R					6183
36.75	37	0.25	CBSH					6184
37	37.2	0.2	CR					6185
37.2	37.35	0.15	CBSH					6186
37.35	41.5	4.15	R					6187
41.5	41.8	0.3	CBSH					6188
41.8	47.9	6.1	R					6189
47.9	48.2	0.3	CBSH					6190
48.2	48.7	0.5	R					6191

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
48.7	49.8	1.1	CBSH					6192
49.8	51.2	1.4	R					6193
51.2	51.4	0.2	CBSH					6194
51.4	51.6	0.2	CR					6195
51.6	52.55	0.95	C	MC				6196
52.55	52.7	0.15	CR	MC				6197
52.7	52.85	0.15	C	MC				6198
52.85	52.95	0.1	FAULT		Probable			6199
52.95	53.1	0.15	CR		Starts in Gaylard	Normal stratigraphy		6200
53.1	59.1	6	R					6201
59.1	59.25	0.15	CBSH					6202
59.25	59.4	0.15	DC	MC				6203
59.4	59.5	0.1	C	MC				6204
59.5	59.6	0.1	DC	MC				6205
59.6	59.7	0.1	D	MC				6206
59.7	59.85	0.15	DC	MC				6207
59.85	59.9	0.05	C	MC				6208
59.9	60	0.1	DC	MC				6209
60	60.15	0.15	C	MC				6210
60.15	60.3	0.15	CR	MC				6211
60.3	60.4	0.1	DC	MC				6212
60.4	60.5	0.1	CBSH					6213
60.5	60.6	0.1	ASH					6214
60.6	60.95	0.35	R					6215
60.95	61.15	0.2	CBSH					6216
61.15	61.3	0.15	DC	MCB				6217
61.3	61.55	0.25	CBSH					6218
61.55	62	0.45	R					6219
62	62.25	0.25	CBSH					6220
62.25	62.4	0.15	CR					6221
62.4	62.55	0.15	CBSH					6222
62.55	67.15	4.6	R					6223
67.15	67.3	0.15	CBSH					6224
67.3	67.4	0.1	R					6225
67.4	67.7	0.3	CBSH					6226
67.7	67.85	0.15	CR					6227
67.85	68.1	0.25	C	MCL				6228
68.1	68.2	0.1	CR	MCL				6229
68.2	68.35	0.15	DC	MCL				6230
68.35	68.5	0.15	CBSH	MCL				6231
68.5	68.65	0.15	CR					6232
68.65	74.1	5.45	R					6233
74.1	74.2	0.1	CBSH					6234
74.2	75.2	1	R					6235
75.2	75.3	0.1	CBSH	MCM				6236
75.3	83.9	8.6	R					6237
83.9	84.1	0.2	CBSH					6238

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
84.1	84.2	0.1	CR					6239
84.2	84.35	0.15	CBSH					6240
84.35	94.7	10.35	R					6241
94.7	94.8	0.1	CBSH	MCN				6242
94.8	99.25	4.45	R					6243
99.25	99.5	0.25	CBSH					6244
99.5	101.8	2.3	C	CBA				6245
101.8	104.5	2.7	C	CBB				6246
104.5	104.75	0.25	DC	CBB				6247
104.75	104.9	0.15	CBSH					6248
104.9	105	0.1	CR					6249
105	107.35	2.35	R					6250
107.35	107.55	0.2	CBSH					6251
107.55	108.2	0.65	C	MM				6252
108.2	108.35	0.15	DC	CCA				6253
108.35	108.45	0.1	C	CCA				6254
108.45	108.6	0.15	DC	CCA				6255
108.6	111.45	2.85	C	CCA				6256
111.45	117.2	5.75	C	CCB				6257
117.2	117.3	0.1	DC	CCB				6258
117.3	118.2	0.9	C	CCB				6259
118.2	118.5	0.3	CBSH					6260
118.5	119.7	1.2	R					6261
119.7	119.85	0.15	CBSH					6262
119.85	120	0.15	CR	MB				6263
120	120.4	0.4	CBSH	MB				6264
120.4	120.9	0.5	C	MB				6265
120.9	121.1	0.2	CBSH					6266
121.1	138.7	17.6	R					6267
138.7	139.1	0.4	CBSH					6268
139.1	139.55	0.45	R					6269
139.55	139.85	0.3	CR	MAA				6270
139.85	140	0.15	DC	MAA				6271
140	140.4	0.4	C	MAA				6272
140.4	140.55	0.15	CR	MAA				6273
140.55	140.7	0.15	DC	MAA				6274
140.7	140.9	0.2	CR	MAA				6275
140.9	141.3	0.4	DC	MAA				6276
141.3	141.5	0.2	C	MAA				6277
141.5	141.75	0.25	DC	MAA				6278
141.75	142.6	0.85	CBSH					6279
142.6	142.85	0.25	R					6280
142.85	143	0.15	CBSH					6281
143	143.1	0.1	CR					6282
143.1	143.35	0.25	CBSH					6283
143.35	143.8	0.45	R					6284
143.8	144.25	0.45	IRST					6285

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
144.25	145.75	1.5	R					6286
145.75	146.1	0.35	DC					6287
146.1	146.35	0.25	CBSH					6288
146.35	146.6	0.25	R					6289
146.6	146.75	0.15	CR					6290
146.75	147	0.25	C					6291
147	147.35	0.35	CBSH					6292
147.35	147.95	0.6	R					6293
147.95	148.3	0.35	CBSH					6294
148.3	148.4	0.1	CR					6295
148.4	148.6	0.2	CBSH					6296
148.6	150	1.4	R					6297
150	150.25	0.25	CR					6298
150.25	150.4	0.15	DC					6299
150.4	150.6	0.2	CBSH					6300
150.6	152.7	2.1	R					6301
152.7	152.9	0.2	CBSH					6302
152.9	153.35	0.45	ND					6303
								6304
BR21RC-35							Brule	6305
0	24	24	DRIFT	DRIFT	DNR Rockhead	no logs run		6306
								6307
BR21RC-36							Dillon	6308
0	15.35	15.35	DEBRIS	DRIFT				6309
15.35	27.35	12	R		Starts in Gaylard	Normal stratigraphy		6310
27.35	27.6	0.25	CBSH					6311
27.6	27.8	0.2	CR	MAA				6312
27.8	27.9	0.1	CBSH	MAA				6313
27.9	28.1	0.2	CR	MAA				6314
28.1	28.4	0.3	CBSH	MAA				6315
28.4	28.55	0.15	CR	MAA				6316
28.55	28.85	0.3	DC	MAA				6317
28.85	29	0.15	C	MAA				6318
29	29.1	0.1	CR	MAA				6319
29.1	29.5	0.4	C	MAA				6320
29.5	29.8	0.3	DC	MAA				6321
29.8	30.2	0.4	CR	MAA				6322
30.2	30.4	0.2	CBSH	MAA				6323
30.4	30.5	0.1	CR	MAA				6324
30.5	30.85	0.35	CBSH					6325
30.85	31.3	0.45	R					6326
31.3	31.5	0.2	CBSH					6327
31.5	32	0.5	CR					6328
32	32.45	0.45	CBSH					6329
32.45	32.6	0.15	CR					6330
32.6	32.85	0.25	CBSH					6331
32.85	34.5	1.65	R					6332

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
34.5	34.65	0.15	IRST					6333
34.65	35.2	0.55	R					6334
35.2	35.5	0.3	CBSH					6335
35.5	35.6	0.1	CR					6336
35.6	35.7	0.1	CBSH					6337
35.7	41	5.3	R					6338
41	41.15	0.15	CBSH					6339
41.15	42.9	1.75	R					6340
42.9	43.2	0.3	CBSH					6341
43.2	43.4	0.2	DC					6342
43.4	43.5	0.1	CBSH					6343
43.5	43.6	0.1	CR					6344
43.6	44.5	0.9	R					6345
44.5	44.9	0.4	CBSH					6346
44.9	45.8	0.9	R					6347
45.8	46.3	0.5	CBSH					6348
46.3	50.5	4.2	R					6349
50.5	50.8	0.3	CR					6350
50.8	50.95	0.15	DC					6351
50.95	51.2	0.25	CBSH					6352
51.2	52.75	1.55	R					6353
52.75	52.9	0.15	CBSH					6354
52.9	52.95	0.05	CR					6355
52.95	53	0.05	CBSH					6356
53	53.15	0.15	CR					6357
53.15	53.4	0.25	CBSH					6358
53.4	53.55	0.15	CR					6359
53.55	53.65	0.1	DC					6360
53.65	53.95	0.3	CBSH					6361
53.95	55.35	1.4	R					6362
55.35	55.6	0.25	CBSH					6363
55.6	55.75	0.15	CR					6364
55.75	62.5	6.75	R					6365
62.5	62.85	0.35	CBSH					6366
62.85	62.95	0.1	R					6367
62.95	63.05	0.1	CBSH					6368
63.05	66.2	3.15	R					6369
66.2	66.5	0.3	CBSH					6370
66.5	71.4	4.9	R					6371
71.4	71.55	0.15	CR					6372
71.55	71.65	0.1	R					6373
71.65	71.75	0.1	CBSH					6374
71.75	93.9	22.15	R					6375
93.9	94	0.1	CBSH					6376
94	94.1	0.1	R					6377
94.1	94.2	0.1	CBSH					6378
94.2	94.3	0.1	R					6379

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
94.3	94.5	0.2	CBSH					6380
94.5	104.2	9.7	R					6381
104.2	104.3	0.1	CBSH					6382
104.3	104.5	0.2	R					6383
104.5	104.6	0.1	CBSH					6384
104.6	106.7	2.1	R					6385
106.7	107	0.3	CR					6386
107	107.3	0.3	DC	MA				6387
107.3	109.15	1.85	C	MA				6388
109.15	109.4	0.25	DC	MA				6389
109.4	109.8	0.4	R					6390
109.8	111	1.2	C	MAB				6391
111	111.2	0.2	CR					6392
111.2	113.3	2.1	R					6393
113.3	113.5	0.2	CBSH					6394
113.5	113.65	0.15	R					6395
113.65	113.8	0.15	CR					6396
113.8	113.9	0.1	CBSH					6397
113.9	114.1	0.2	CR					6398
114.1	114.3	0.2	CBSH					6399
114.3	114.45	0.15	CR	MAG				6400
114.45	114.65	0.2	DC	MAG				6401
114.65	114.8	0.15	CBSH	MAG				6402
114.8	114.9	0.1	CR	MAG				6403
114.9	115	0.1	CBSH					6404
115	117.45	2.45	R					6405
117.45	117.6	0.15	CBSH					6406
117.6	117.8	0.2	R					6407
117.8	118.1	0.3	CBSH					6408
118.1	118.25	0.15	DC					6409
118.25	118.7	0.45	CR					6410
118.7	118.85	0.15	C	MAH				6411
118.85	119.5	0.65	DC	MAH				6412
119.5	119.7	0.2	C	MAH				6413
119.7	119.9	0.2	CBSH					6414
119.9	124.4	4.5	R					6415
124.4	124.6	0.2	CBSH					6416
124.6	125	0.4	CR					6417
125	125.25	0.25	CBSH					6418
125.25	140.2	14.95	R					6419
140.2	141	0.8	ND					6420
								6421
BR21RC-37							Dillon	6422
0	5.5	5.5	DRIFT	DRIFT				6423
5.5	6.2	0.7	R		Starts in Gaylard	Normal stratigraphy		6424
6.2	6.65	0.45	CBSH	MG				6425
6.65	7.95	1.3	R					6426

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
7.95	8.1	0.15	CBSH					6427
8.1	14.3	6.2	R					6428
14.3	14.4	0.1	CBSH	MF				6429
14.4	20.7	6.3	R					6430
20.7	20.9	0.2	CBSH					6431
20.9	24.2	3.3	R					6432
24.2	24.5	0.3	CBSH	MEA				6433
24.5	25.7	1.2	R					6434
25.7	25.85	0.15	CR	MEB				6435
25.85	27.55	1.7	R					6436
27.55	27.7	0.15	CBSH					6437
27.7	32.4	4.7	R					6438
32.4	32.65	0.25	DC	CAA				6439
32.65	33.4	0.75	R					6440
33.4	34	0.6	CBSH	CAB				6441
34	34.2	0.2	FAULT		Probable			6442
34.2	37.2	3	R		Starts in Gaylard	Normal stratigraphy		6443
37.2	37.3	0.1	CBSH					6444
37.3	37.6	0.3	C	CAA				6445
37.6	37.8	0.2	CBSH					6446
37.8	38.2	0.4	R					6447
38.2	38.9	0.7	CBSH	CAB				6448
38.9	39.55	0.65	R					6449
39.55	40.4	0.85	CBSH					6450
40.4	40.6	0.2	CR	MD				6451
40.6	41.1	0.5	CBSH					6452
41.1	43.9	2.8	R					6453
43.9	44.2	0.3	CBSH					6454
44.2	49.05	4.85	R					6455
49.05	49.2	0.15	IRST					6456
49.2	50.15	0.95	R					6457
50.15	50.3	0.15	CBSH					6458
50.3	50.8	0.5	C	MDH				6459
50.8	51.05	0.25	CR					6460
51.05	51.6	0.55	R					6461
51.6	51.8	0.2	CBSH					6462
51.8	51.95	0.15	C	MDL				6463
51.95	52	0.05	CBSH	MDL				6464
52	52.1	0.1	C	MDL				6465
52.1	52.35	0.25	DC	MDL				6466
52.35	52.5	0.15	R					6467
52.5	52.6	0.1	CBSH					6468
52.6	58.4	5.8	R					6469
58.4	58.7	0.3	IRST					6470
58.7	65	6.3	R					6471
65	65.2	0.2	R	MCD				6472
65.2	69.15	3.95	R					6473

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (continued)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
69.15	69.3	0.15	CBSH					6474
69.3	69.5	0.2	DC	MC				6475
69.5	69.7	0.2	C	MC				6476
69.7	69.85	0.15	DC	MC				6477
69.85	70.1	0.25	C	MC				6478
70.1	70.25	0.15	DC	MC				6479
70.25	70.4	0.15	C	MC				6480
70.4	70.75	0.35	CR					6481
70.75	70.9	0.15	CBSH					6482
70.9	71.2	0.3	CR					6483
71.2	71.6	0.4	DC	MCB				6484
71.6	71.8	0.2	CBSH					6485
71.8	82.95	11.15	R					6486
82.95	83.15	0.2	CBSH					6487
83.15	83.55	0.4	C	MCL				6488
83.55	84.3	0.75	DC	MCL				6489
84.3	84.4	0.1	CBSH					6490
84.4	89.75	5.35	R					6491
89.75	90.1	0.35	IRST					6492
90.1	94	3.9	R					6493
94	94.3	0.3	CBSH	MCM				6494
94.3	111.15	16.85	R					6495
111.15	111.5	0.35	CBSH	MCN				6496
111.5	116.05	4.55	R					6497
116.05	116.2	0.15	CBSH					6498
116.2	117.7	1.5	C	CBA				6499
117.7	118.15	0.45	DC	CBB				6500
118.15	119.4	1.25	C	CBB				6501
119.4	119.45	0.05	FAULT		Established			6502
119.45	120.8	1.35	C	CBA	Starts in Gaylard	Normal stratigraphy		6503
120.8	121.1	0.3	CR					6504
121.1	121.3	0.2	DC	CBB				6505
121.3	122.2	0.9	C	CBB				6506
122.2	122.55	0.35	DC	CBB				6507
122.55	122.7	0.15	FAULT		Established			6508
122.7	123.4	0.7	R		Starts in Gaylard	Normal stratigraphy		6509
123.4	123.6	0.2	CBSH					6510
123.6	125.2	1.6	C	CBB				6511
125.2	125.45	0.25	DC	CBB				6512
125.45	125.6	0.15	CR					6513
125.6	125.7	0.1	DC					6514
125.7	125.95	0.25	CR					6515
125.95	127.25	1.3	R					6516
127.25	127.45	0.2	CBSH					6517
127.45	128.2	0.75	C	MM				6518
128.2	128.6	0.4	R					6519
128.6	128.75	0.15	CBSH					6520

Lithological interpretation of boreholes at Brule and Dillon: **Table B-1 (concluded)**

From (m)	To (m)	Thick	Lithology	Bed name	Stratigraphy	Comments	Lease	Serial
128.75	131.45	2.7	C	CCA				6521
131.45	134.95	3.5	C	CCB				6522
134.95	135.1	0.15	DC	CCB				6523
135.1	135.75	0.65	C	CCB				6524
135.75	135.85	0.1	DC	CCB				6525
135.85	136	0.15	CBSH					6526
136	139.3	3.3	R					6527
139.3	139.4	0.1	CBSH					6528
139.4	139.55	0.15	CR	MB				6529
139.55	139.65	0.1	CBSH	MB				6530
139.65	139.9	0.25	CR	MB				6531
139.9	140.1	0.2	C	MB				6532
140.1	140.25	0.15	CBSH					6533
140.25	154.75	14.5	R					6534
154.75	155.4	0.65	CBSH					6535
155.4	155.8	0.4	R					6536
155.8	156	0.2	CBSH					6537
156	156.65	0.65	DC	MAA				6538
156.65	157.3	0.65	C	MAA				6539
157.3	157.8	0.5	CR	MAA				6540
157.8	157.85	0.05	CBSH	MAA				6541
157.85	158.2	0.35	CR	MAA				6542
158.2	158.45	0.25	DC	MAA				6543
158.45	158.65	0.2	CR	MAA				6544
158.65	159.7	1.05	R					6545
159.7	160.4	0.7	CR					6546
160.4	160.5	0.1	CBSH					6547
160.5	164.1	3.6	R					6548
164.1	164.5	0.4	CBSH					6549
164.5	164.8	0.3	R					6550
164.8	164.9	0.1	CBSH					6551
164.9	167	2.1	R					6552
167	167.3	0.3	CR					6553
167.3	170.6	3.3	R					6554
170.6	171	0.4	CR					6555
171	171.6	0.6	CBSH					6556
171.6	171.7	0.1	CR					6557
171.7	171.9	0.2	CBSH					6558
171.9	172.7	0.8	R					6559
172.7	173.1	0.4	CBSH					6560
173.1	173.2	0.1	CR					6561
173.2	173.4	0.2	CBSH					6562
173.4	175.05	1.65	R					6563
175.05	175.2	0.15	CBSH					6564
175.2	176	0.8	R					6565
176	176.2	0.2	IRST					6566
176.2	177.35	1.15	R					6567
177.35	177.8	0.45	ND					6568

File name: *Lith table Brule-Dillon_220509x.doc*
Note: depths and thicknesses are given in metres. 'Serial' column is for statistical reference and sorting.

Scans of interpreted gamma-density logs from current exploratory boreholes at Brule: **Appendix C**

Following in hardcopy form (and as multiple-page PDF scans) are marked-up interpretations of gamma-density logs run in current (2020-2021 and 2021-2022 work terms) exploratory boreholes drilled from sites within the Brule lease.

Symbology of the log mark-ups is as follows;

- Coal (density log 1.5 gm/cc or less): solid black shading
- Dirty coal (density log 1.5 to 1.7 gm/cc) heavy diagonal bars
- Coaly rock (density log 1.7 to 1.9 gm/cc) diagonal lines
- Carbshale (density log 1.9 to 2.2 gm/cc) dashes and letter 'c'
- Rock, in general no pattern
- Ash band (high-gamma) 'x x x x x'
- Ironstone (very high-density) vertical lines
- Fault red shading and cross-arrows

Logs are vertically scaled at 1:100, with each depth division representing one metre, and each horizontal division of the density log track representing 0.1 gm/cc.

Scanned logs from the following exploratory boreholes are presented in this Appendix:

- BR21RC-01 17 pages *Scan-markup-BR21RC-01_210630a.pdf-*
- BR21RC-02 14 pages *Scan-markup-BR21RC-02_210630a.pdf*
- BR21RC-03 16 pages *Scan-markup-BR21RC-03_210625a.pdf*
- BR21RC-04 10 pages *Scan-markup-BR21RC-04_210626a.pdf*
- BR21RC-05 7 pages *Scan-markup-BR21RC-05_210629a.pdf*
- BR21RC-06 8 pages *Scan-markup-BR21RC-06_210629a.pdf*
- BR21RC-07 8 pages *Scan-markup-BR21RC-07_210702a.pdf*
- BR21RC-08 9 pages *Scan-markup-BR21RC-08_210704a.pdf*
- BR21RC-09 9 pages *Scan-markup-BR21RC-09_210706a.pdf*
- BR21RC-10 15 pages *Scan-markup-BR21RC-10_210714a.pdf*
- BR21RC-11 9 pages *Scan-markup-BR21RC-11_210714a.pdf*
- BR21RC-15 15 pages *Scan-markup-BR21RC-15_210729a.pdf*
- BR21RC-16 16 pages *Scan-markup-BR21RC-16_210803b.pdf*
- BR21RC-17 14 pages *Scan-markup-BR21RC-17_210805a.pdf*
- BR21RC-18 13 pages *Scan-markup-BR21RC-18_210818a.pdf*
- BR21RC-19 11 pages *Scan-markup-BR21RC-19_210818a.pdf*
- BR21RC-20 12 pages *Scan-markup-BR21RC-20_210818a.pdf*
- BR21RC-29 7 pages *Scan-markup-BR21RC-29_211120a.pdf*
- BR21RC-30 8 pages *Scan-markup-BR21RC-30_211215a.pdf*
- BR21RC-31 6 pages *Scan-markup-BR21RC-31_211215a.pdf*

Appendix D: Digital copies of geophysical logs

Logs for the following exploratory boreholes and test holes are here included as digital files in LAS (Log ASCII Standard), PDF (Portable Document Format) and TIF (Tagged Image Format) formats.

Exploratory boreholes:

BR21RC-01 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-02 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-03 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-04 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-05 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-06 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-07 (gamma-density, dipmeter, and deviation)
BR21RC-08 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-09 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-10 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-11 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-15 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-16 (gamma-density, gamma-neutron, dipmeter, and deviation)
BR21RC-17 (gamma-density, gamma-neutron, sonic, dipmeter, and deviation)
BR21RC-18 (gamma-density, gamma-neutron)
BR21RC-19 (gamma-density, dipmeter, and deviation)
BR21RC-20 (gamma-density, dipmeter, and deviation)
BR21RC-29 (gamma-density, sonic, dipmeter, and deviation)
BR21RC-30 (gamma-density, sonic, dipmeter, and deviation)
BR21RC-31 (gamma-density, sonic, dipmeter, and deviation)

Test holes:

TH20-21 (gamma-density, deviation)
TH20-23 (gamma-density, deviation)
TH20-24 (gamma-density, deviation)
TH20-25 (gamma-density, deviation)
TH20-32 (gamma-density, deviation)
TH20-33 (gamma-density, deviation)
TH20-34 (gamma-density, deviation)
TH20-35 (gamma-density, deviation)
TH20-56 (gamma-density, deviation)
TH20-64 (gamma-density, deviation)
TH20-78 (gamma-density, deviation)
TH20-88 (gamma-density, deviation)
TH20-99 (gamma-density, deviation)
TH21-10 (gamma-density)
TH21-11 (gamma-density)
TH21-12 (gamma-density)
TH21-25 (gamma-density)
TH21-26 (gamma-density)
TH21-27 (gamma-density)
TH21-28 (gamma-density)
TH21-29 (gamma-density)
TH21-30 (gamma-density)
TH21-31 (gamma-density)
TH21-32 (gamma-density)
TH21-33 (gamma-density)
TH21-34 (gamma-density)
TH21-35 (gamma-density)
TH21-36 (gamma-density)