Century WIRELINE SERVICES

GAMMA - CALIPER
THRU PIPE DENSITY
DHGH-14-22

GEOGRAPHY	ARAPAHOE
WELL	DHGH-14-22
FIELD	WILDCAT
COUNTY/PARISH	ARAPAHOE
STATE/PROVINCE	COLORADO
SECTION	14
TOWNSHIP	3S
RANGE	67W
PERMANENT DATUM	GL
ELEVATION	4,500
LOG MEASURED FROM	GL
4.5 FT ABOVE PERM. DATUM	
DRILLING MEASURED FROM	GL
ELEVATION	4,500
ELEVATION	4,500
ELEVATION	4,500
API NUMBER	05-123-45678
LOCATION	SW SW SW
OTHER SERVICES	GR

DEPTH DRILLER	8,000
DEPTH LOGGER	8,000
BTM LOG INTERVAL	7,990
TOP LOG INTERVAL	6,000
CASING DRILLER	8.625 @ 1,000
CASING LOGGER	8.625 @ 1,000
BOREHOLE FLUID	WATER
DENSITY	8.34
VISCOSITY	28
PH	7.0
FLUID LOSS	10
SOURCE OF SAMPLE	FLOWLINE
RM @ MEAS. TEMP	0.1 @ 70
RMF @ MEAS. TEMP	0.1 @ 70
RMC @ MEAS. TEMP	0.1 @ 70
SOURCE OF RMF & RMC	MEASURED
RM @ BHT	0.1 @ 150
TIME CIRC. STOPPED	06:00
TIME LOGGER ON BOTTOM	08:30
MAX. REC. TEMP.	150
EQUIP. LOCATION	3 MILES SOUTH
RECORDED BY	D. SWANSON
WITNESSED BY	MR. SEWARD

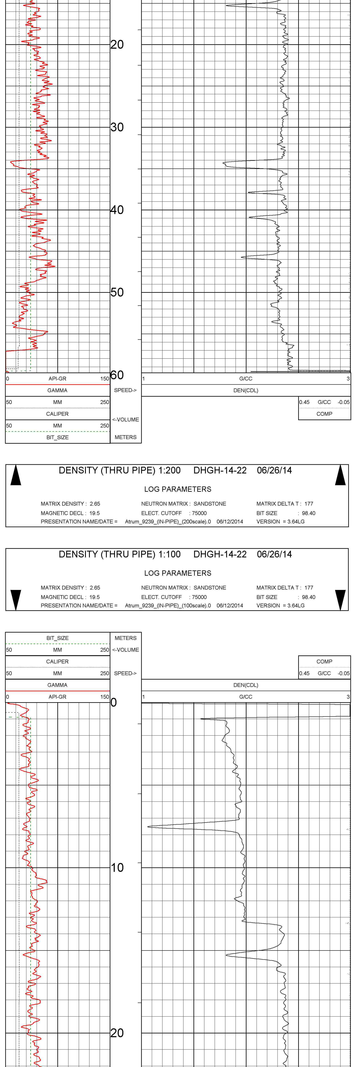
RUN NUMBER 1
DATE 06/26/14
TYPE LOG DENSITY
DEPTH-DRILLER 8,000
DEPTH-LOGGER 7,990
BTM LOG INTERVAL 7,990
TOP LOG INTERVAL 6,000
CASING-DRILLER 8.625 @ 1,000
CASING-LOGGER 8.625 @ 1,000
BIT SIZE 7.875
TYPE FLUID IN HOLE WATER
DENSITY 8.34
VISCOSITY 28
PH 7.0
FLUID LOSS 10
SOURCE OF SAMPLE FLOWLINE
RM @ MEAS. TEMP 0.1 @ 70
RMF @ MEAS. TEMP 0.1 @ 70
RMC @ MEAS. TEMP 0.1 @ 70
RM @ BHT 0.1 @ 150
TIME CIRC. STOPPED 06:00
TIME LOGGER ON BOTTOM 08:30
MAX. REC. TEMP. 150
EQUIP. LOCATION 3 MILES SOUTH
RECORDED BY D. SWANSON
WITNESSED BY MR. SEWARD

ALL DEPTHS AS MEASURED FROM DRILLER'S DEPTH

DENSITY (THRU PIPE) 1:200 DHGH-14-22 06/26/14

LOG PARAMETERS

MATRIX DENSITY :	2.65	NEUTRON MATRIX :	SANDSTONE
MAGNETIC DECL. :	19.5	ELECT. CUTOFF :	76000
PRESENTATION NAMEDATE =		Atrum_9239_(IN-PIPE)_(200scale).0	06/12/2014
MATRIX DELTA T :	177		
BIT SIZE	99.40		
VERSION = 3.64LG			



DENSITY (THRU PIPE) 1:200 DHGH-14-22 06/26/14

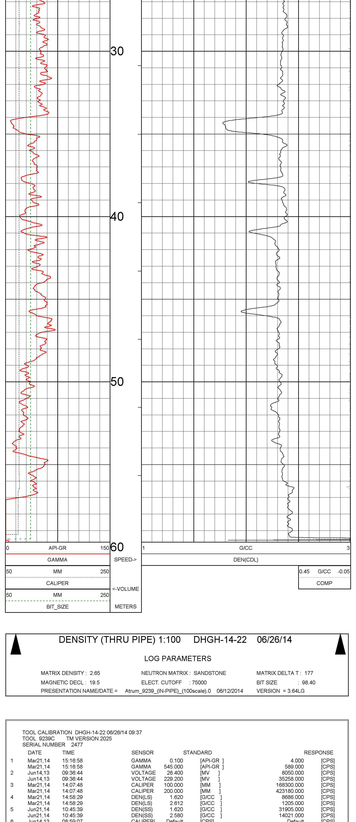
LOG PARAMETERS

MATRIX DENSITY :	2.65	NEUTRON MATRIX :	SANDSTONE
MAGNETIC DECL. :	19.5	ELECT. CUTOFF :	75000
PRESENTATION NAMEDATE =		Atrum_9239_(IN-PIPE)_(200scale).0	06/12/2014
MATRIX DELTA T :	177		
BIT SIZE	99.40		
VERSION = 3.64LG			

DENSITY (THRU PIPE) 1:100 DHGH-14-22 06/26/14

LOG PARAMETERS

MATRIX DENSITY :	2.65	NEUTRON MATRIX :	SANDSTONE
MAGNETIC DECL. :	19.5	ELECT. CUTOFF :	76000
PRESENTATION NAMEDATE =		Atrum_9239_(IN-PIPE)_(100scale).0	06/12/2014
MATRIX DELTA T :	177		
BIT SIZE	99.40		
VERSION = 3.64LG			



DENSITY (THRU PIPE) 1:100 DHGH-14-22 06/26/14

LOG PARAMETERS

MATRIX DENSITY :	2.65	NEUTRON MATRIX :	SANDSTONE
MAGNETIC DECL. :	19.5	ELECT. CUTOFF :	75000
PRESENTATION NAMEDATE =		Atrum_9239_(IN-PIPE)_(100scale).0	06/12/2014
MATRIX DELTA T :	177		
BIT SIZE	99.40		
VERSION = 3.64LG			

TOOL CALIBRATION DHGH-14-22 06/26/14 09:37
TOOL 9239C TM VERSION 2025
SERIAL NUMBER 2477

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Mar21,14	15:16:58	GAMMA	0.100	[API-GR]	4.000	[CPS]
2	Mar21,14	15:18:58	GAMMA	545.000	[API-GR]	589.000	[CPS]
3	Jun14,13	09:36:44	VOLTAGE	26.400	[MV]	8050.000	[CPS]
4	Jun14,13	09:36:44	VOLTAGE	229.200	[MV]	35258.000	[CPS]
5	Mar21,14	14:07:46	CALIPER	100.000	[MM]	168300.000	[CPS]
6	Mar21,14	14:07:46	CALIPER	200.000	[MM]	420180.000	[CPS]
7	Mar21,14	14:58:29	DEN(LS)	1.610	[G/CC]	9066.000	[CPS]
8	Jun14,13	10:45:39	DEN(LS)	1.610	[G/CC]	16000.000	[CPS]
9	Jun21,14	10:45:39	DEN(SS)	1.620	[G/CC]	31905.000	[CPS]
10	Jun21,14	10:45:39	DEN(SS)	2.580	[G/CC]	14021.000	[CPS]
11	Jun14,13	08:59:07	CALIPER(L	Default	[CPS]	Default	[CPS]
12	Jun14,13	08:59:07	CALIPER(L	Default	[CPS]	Default	[CPS]
13	Mar21,14	14:27:16	CURRENT	26.400	[UA]	6823.000	[CPS]
14	Mar21,14	14:27:16	CURRENT	229.200	[UA]	33884.000	[CPS]
15	Jun14,13	08:59:07	F	Default	[CPS]		
16	Jun14,13	08:59:07	X	Default	[CPS]		