

RMWS

ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG

CCL/GAMMARA

Company

Black Hills Plateau Production, LLC

Well

Winter Flats 1-16-99

Field

County

Mesa

State

Colorado

Location:

API #: 05-07-04943(C-12648-A)

SEC

16

TWP

9S

RGE

99W

Log Measured From

CL

Elevation

6059

Drilling Measured From

K3

FT Above PD

15'

Date

10-20-2017

K 8

6077

D 1

6069

G 1

6055

Run Number

one

Depth (feet)

6705'

Present Depth (feet)

n/a

Depth (feet)

1523'

Bottom Logged Interval

250'

Fluid Level

surface

Type Fluid

water

Max. Recorded Temp

n/a

Equipment Number

see log

Equipment Number

218

Location

Grand Junction Co.

Recorded By

C. Burns

Witnessed By

M. Jaffery

Run Number

Bit

From

To

Size

Weight

40 #

10.75"

23#

10.5#

4.5"

10.5#

surface

2039'

6705'

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

WARRIOR 7.0 SOFTWARE - Comments

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	20.48		CCL-3.125 APPLIED (40-01NB) positive or negative voltage logging ccl	2.03	3.13	45.00
			SIE-169 SIE 1 11/16" Centralizer	3.00	1.69	5.00
WVF3FT	11.69		CBL-TEKCO-TEKCO (TEKCO 8009) DEMO TOOL - DEMENSIONS INVALID	10.00	3.25	50.00
WVF5FT	10.69					
WVFSYNC	6.69		SIE-169 SIE 1 11/16" Centralizer	3.00	1.69	5.00
GR	1.00		GR-TEKCO234 (TEKCO234_352) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00
Dataset: winterflats1-16-99.db: field/well/run2/pass10 Total Length: 21.71 ft Total Weight: 125.00 lb O.D. 3.25 in						

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Main Pass

Database File: winterflats1-16-99.db  
Dataset Pathname: run2/pass10  
Presentation Format: rmws\_dsc  
Dataset Creation: Fri Oct 20 08:12:07 2017 by Calc SCH 120430  
Charted by: Depth in Feet scaled 1.240

0 27 GR CCL 150 3.0 LTEN (lb)1500

0 380 AMPx5 (mV) 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

0 150 GR CCL 150 3.0 LTEN (lb)1500

0 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

0 27 GR CCL 150 3.0 LTEN (lb)1500

0 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

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Repeat Pass

Database File: winterflats1-16-99.db  
Dataset Pathname: run2/pass7  
Presentation Format: rmws\_dsc  
Dataset Creation: Fri Oct 20 07:29:49 2017 by Log SCH 120430  
Charted by: Depth in Feet scaled 1.240

0 27 GR CCL 150 3.0 LTEN (lb)1500

0 380 AMPx5 (mV) 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

0 150 GR CCL 150 3.0 LTEN (lb)1500

0 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

0 27 GR CCL 150 3.0 LTEN (lb)1500

0 20 200 VDL 1200

0 100 AMP (mV)

380 180 TT (usec)

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