

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: May 24, 2012

Attention: Carlos Mercado
Jennifer Duarte

Re: Occidental Permian Ltd
Piglet 21 State #7
Eddy County, New Mexico

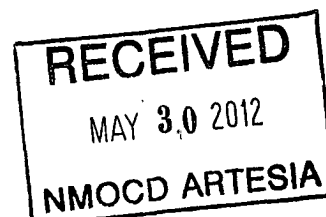
Enclosed, please find the original survey performed on the referenced well by Savanna 415 using Weatherford's AMS tool. Other information required by your office is as follows:

Name & Title Of Surveyor	Surveyed Depths	Dates Performed	Type of Survey
Savanna 415	406' MD to 4866' MD	03/15/2012 03/20/2012	AMS Inc/Azim

On this, the 25 day of May, 2012, before me a notary public, the undersigned officer, personally appeared Antonio Willy, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Kaye L. Harrison
Notary Public

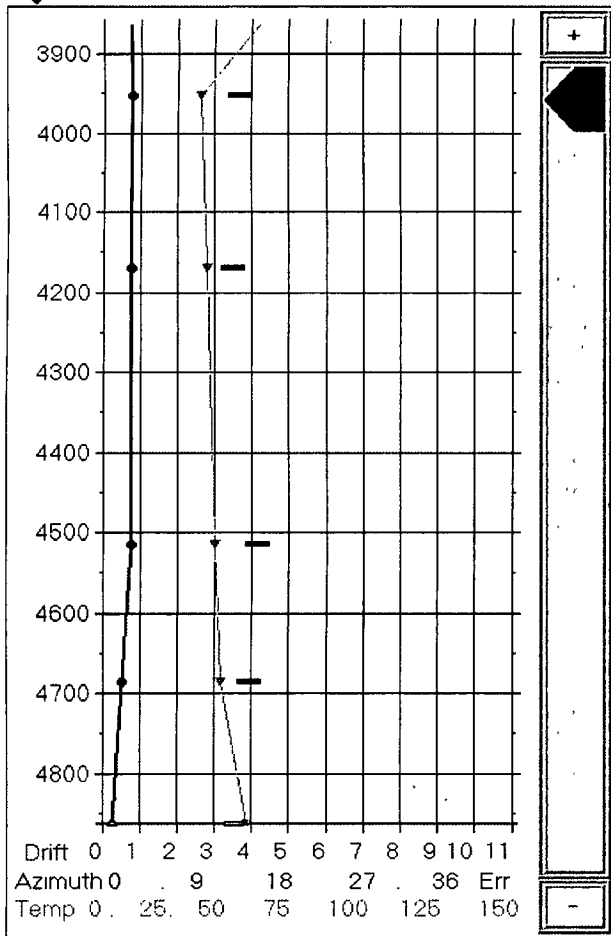


Depth Log (Feet)

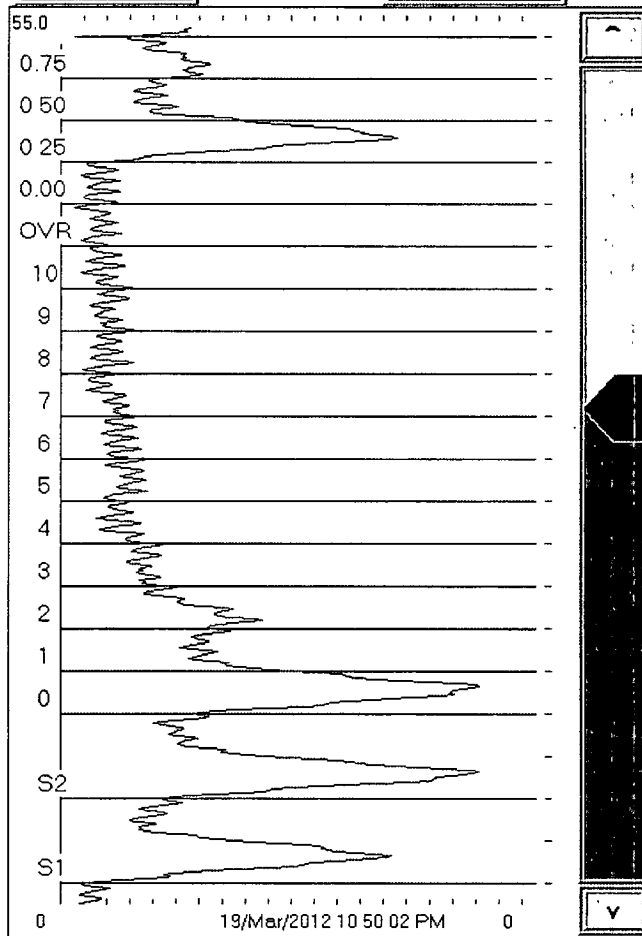
PIGLET 21 STATE 7

Retest Survey

Find Survey



Zoom In



(c) 2006 Weatherford

Temperature

54

Azimuth (TRUE)

130.1

Drift

0.25

Depth (Feet)

4866

IDLE

0

OPTION

Logging Program System Parameters

20/Mar/2012

Well Name

PIGLET 21 STATE 7

File Size (KBytes)

512

Legal SubDivision

PIGLET 21 STATE 7

Notes

MATT KING

AFE #

1140877

Apply ambient
pressure to
transducer and
press Calibrate

Client Name

OXY

Creation Date

15/Mar/2012

Service Order #

4025825

13185

CSS #

ASK 3292

Calibrate

DMT #

AMS-098

Battery #

402938302/DL2

Filter Size

600

Pulser #

4C4E 287

Declination

71

Transducer #

5K HAMMER UNION

Azimuth Pulse Period

1500

mSec

Pump On Pressure

150

Survey Duration

131

Sec

Baseline Pressure

2500

Time Till Autostart

35

Sec

Pulse Range

319

Pump Off Time

90

Sec

Pressure Transducer
Full Scale Pressure

5000

Error Msg Timeout

35

Sec

Time of Day (HR MIN)

18:28

Acquisition Options

☒ A/D Enabled☐ Wrap Data Continuously☐ Automatic Filtering

RESTART

Depth Scale

☐ Meters☒ Feet

Pressure Scale

☒ PSI☐ kPascals☐ BAR

CLR LOG

DOWNLOAD

CANCEL

OPTION

(c) 2006 Weatherford Canada Partnership

Depthlog Information

Data File Version: 14
Logfile created with DMT Surface Plotter Rev W2.01g
Legal Subdivision: PIGLET 21 STATE 7
Well Name: PIGLET 21 STATE 7
AFE Number: 1140877
Creation Date: 15/03/12 00:00:15
Number of Surveys: 23
Service Order Number: 4025825
CSS Number: ASK 3292
DMT Number: AMS-098
Battery Number: 402938302/DL21
Pulser Number: 4C4E 287
Client Name: OXY
Deepest Entry: 4866
Depth is measured in : FEET
Pulse Range: 2819 PSI
Baseline Pressure: 2500 PSI
Full Scale Pressure: 5000 PSI
Client used: PSI
File Size (KBytes): 512
Survey Comment: "MATT KING"
Transducer Calibration Value: 13185 A/D Counts
Transducer Number: 5K HAMMER UNION
Pump Timeout Delay: 90
System Timeout Delay: 35
Tool Type: AMS 2000
Declination: 7.1
Azimuth Pulse Period: 1500
Azimuth Pulse Width: 500
Histogram Filter Size: 600
Hardware AtoD Rate: 1000 Samples/Sec
Software AtoD Usage Rate: 1000 Samples/Sec

Azimuth Error Codes

Azimuth > 360 is invalid angle or error code.
Error 420 -- MAG FP Number Overrange
Error 421 -- Missing Drift Start Bits
Error 422 -- Missing Drift Angle Bits
Error 423 -- Missing Drift Fraction Bits
Error 424 -- Multiple Drift Angle Bits
Error 425 -- Stuff Bit Error
Error 430 -- Missing Azimuth Stop bit.
Error 431 -- Missing Azimuth Start Bit.
Error 435 -- Parity Error.
Error 440 -- QFLEX Drift Angle too high.
Error 450 -- QFLEX EEROM Parity Error.
Error 460 -- Azimuth Angle too high.
Error 461 -- Temperature Value too high.

Date	Time	Depth	Drift	Azimuth[T]	Temperature	Record#
15/03/12	20:48:15	406	0.50	343.1	23	2
15/03/12	22:58:15	589	0.50	282.1	28	4
16/03/12	01:27:16	775	0.50	287.1	34	6
16/03/12	03:52:16	971	0.25	258.1	38	8
16/03/12	05:13:16	1099	0.25	318.1	40	10
16/03/12	07:49:16	1318	0.00	249.1	72	13
16/03/12	10:45:16	1577	0.00	218.1	40	16
16/03/12	14:38:16	1664	0.25	207.1	44	18
16/03/12	23:00:16	2224	0.00	235.1	45	21
17/03/12	00:52:17	2399	0.00	196.1	45	23
17/03/12	02:36:17	2571	0.00	318.1	46	25
17/03/12	04:17:17	2739	0.00	150.1	46	26
17/03/12	06:30:17	2918	0.50	118.1	44	29
17/03/12	10:25:17	3178	0.25	186.1	84	35
17/03/12	15:19:17	3437	0.50	150.1	43	39
17/03/12	19:12:17	3608	1.00	130.1	45	41
17/03/12	22:13:17	3781	0.75	123.1	79	43
19/03/12	05:58:19	3954	0.75	133.1	37	46
19/03/12	08:47:19	4171	0.75	125.1	39	49
19/03/12	14:51:19	4516	0.75	149.1	42	52
19/03/12	19:26:19	4687	0.50	142.1	44	54
19/03/12	22:50:19	4866	0.25	130.1	54	56
20/03/12	03:15:20	0	0.00	410.0	151	57