

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

Date: May 24, 2012

Attention: Carlos Mercado
Jennifer Duarte

Re: Occidental Permian Ltd
Roo 22 State #8
Eddy County, New Mexico

15-39654

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:

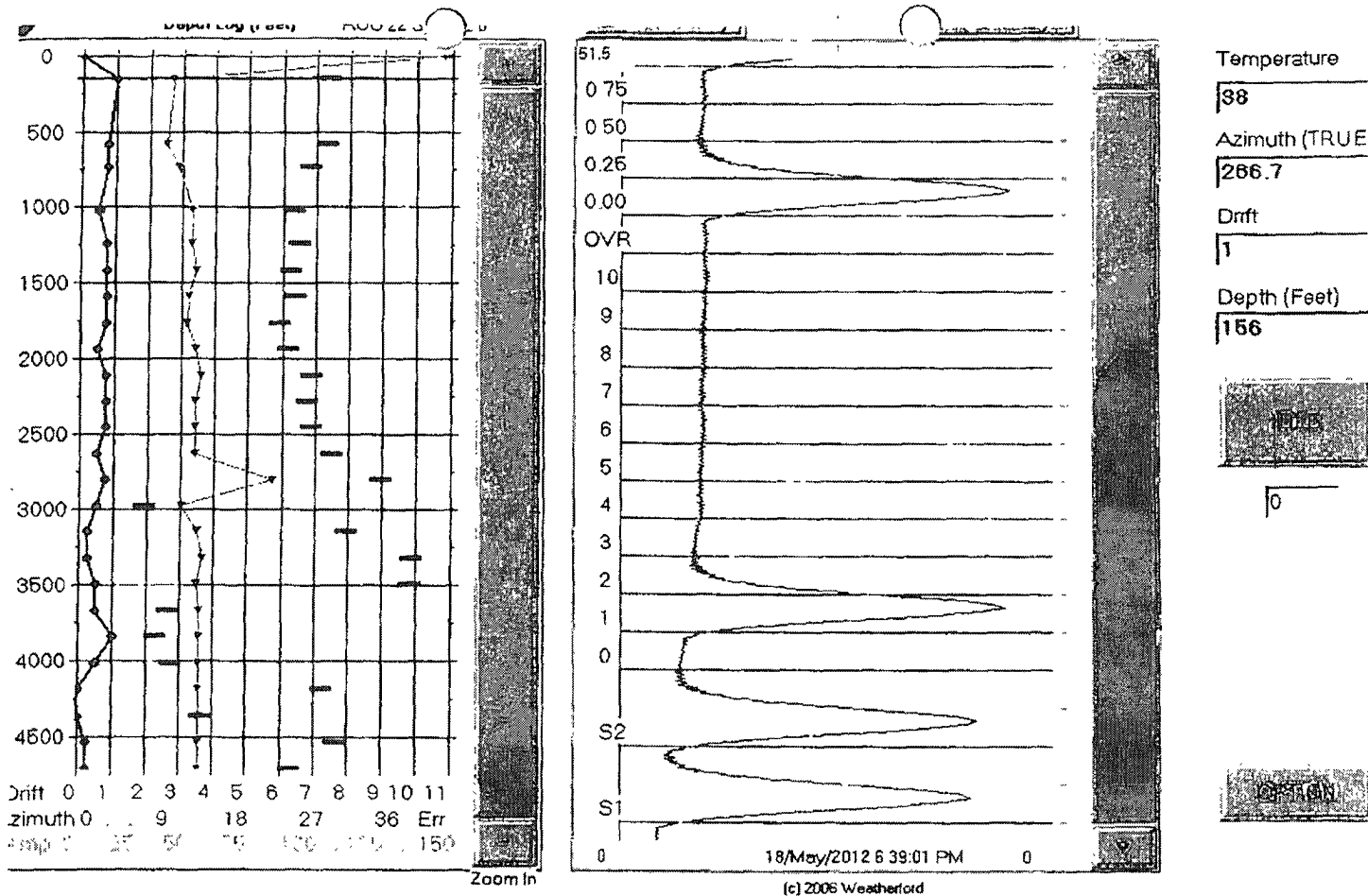
Name & Title Of Surveyor	Surveyed Depths	Dates Performed	Type of Survey
Savanna 415	591' MD to 4711' MD	05/19/2012 05/24/2012	AMS Inc/Azim

On this, the 25 day of May, 2012, before me a notary public, the undersigned officer, personally appeared Brandon Wells, 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





Logging Program System Parameters

24/May/2012

Well Name	ROO 22 STATE 8	File Size (KBytes)	512
Legal SubDivision	ROO 22 STATE 8	Notes	T ARELLANO
AFE #		Client Name	OXY
Creation Date	18/May/2012	Apply ambient pressure to transducer and press Calibrate	
Service Order #		16491	
CSS #	ASK 3296	Calibrate	
DMT #	AMS-024		
Battery #	402938210DL1	Filter Size	600
Pulser #	4C-230	Declination	7.7
Transducer #	5K	Azimuth Pulse Period	1000 mSec
Pump On Pressure	150	Survey Duration	131 Sec
Baseline Pressure	0	Time T# Autostart	30 Sec
Pulse Range	5000	Pump Off Time	95 Sec
Pressure Transducer Full Scale Pressure	5000	Error Msg Timeout	300 Sec
		Time of Day (HR:MIN)	16:57

Acquisition Options:

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

Depth Scale:

- ☐ Meters
- ☒ Feet

Pressure Scale:

- ☒ PSI
- ☐ kPascals
- ☐ BAR

Tool Type:

- ☐ DMT 3500
- ☒ AMS 2000

E:\DMTData\ROO 22 STATE 8\ROO 22 STATE 8.txt

Depthlog Information

Data File Version: 14
Logfile created with DMT Surface Plotter Rev: W2.01g
Legal Subdivision: ROO 22 STATE 8
Well Name: ROO 22 STATE 8
AFE Number:
Creation Date: 16/05/12 09:00:18
Number of Surveys: 26
Service Order Number:
CSS Number: ASK 3295
DMT Number: AMS-024
Battery Number: 402938210DL10
Pulser Number: 4C-230
Client Name: OXY
Deepest Entry: 4711
Depth is measured in : FEET
Pulse Range: 5000 PSI
Baseline Pressure: 0 PSI
Full Scale Pressure: 5000 PSI
Client used: PSI
File Size (KBytes): 512
Survey Comment: "T. ARELLANO"
Transducer Calibration Value: 13491 A/D Counts
Transducer Number: 5K
Pump Timeout Delay: 95
System Timeout Delay: 30
Tool Type: AMS 2000
Declination: 7.7
Azimuth Pulse Period: 1000
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#
18/05/12	18:39:01	156	1.00	266.7	38	2
19/05/12	02:12:10	591	0.75	263.7	35	9
19/05/12	04:51:48	744	0.75	246.7	40	13
19/05/12	09:37:48	1037	0.50	228.7	46	18
19/05/12	12:01:28	1253	0.75	234.7	46	21
19/05/12	14:16:21	1426	0.75	225.7	48	22
19/05/12	16:01:44	1599	0.75	230.7	45	26
19/05/12	19:15:16	1772	0.75	213.7	44	28
19/05/12	22:05:39	1945	0.50	222.7	48	32
20/05/12	02:33:53	2118	0.75	247.7	50	36
20/05/12	05:42:11	2291	0.75	242.7	48	40
20/05/12	08:55:43	2463	0.75	247.7	48	42
20/05/12	11:36:03	2636	0.50	270.7	48	44
20/05/12	15:19:01	2809	0.75	322.7	80	50
20/05/12	17:32:10	2982	0.50	69.7	42	53
20/05/12	20:24:56	3155	0.25	286.7	49	56
21/05/12	00:52:10	3328	0.25	355.7	51	60
21/05/12	05:37:58	3501	0.50	353.7	49	64
21/05/12	10:32:44	3674	0.50	95.7	50	71
21/05/12	13:35:54	3846	1.00	82.7	50	73
21/05/12	16:46:58	4019	0.50	98.7	50	75
21/05/12	20:46:05	4192	0.00	261.7	50	80
22/05/12	02:51:46	4365	0.00	131.7	50	84
22/05/12	10:20:40	4538	0.25	276.7	50	86
22/05/12	16:57:01	4711	0.25	226.7	50	90
24/05/12	12:17:47	0	0.00	410.0	151	96