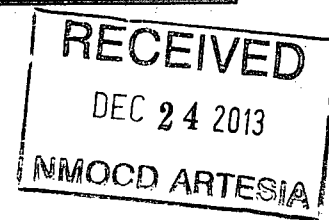


Reservoir Development

Drilling & Measurements (Extreme Engineering)
6724 Corporation Pkwy Suite 100
Fort Worth, TX 76126
Phone: (817) 717-1820
Fax: (817) 546-7551

December 3, 2013

Occidental Permian Ltd
5 Greenway Plaza Suite 110
Houston, Texas 77046



Attention: Kacie Cruz

Re:

CLIENT: OXY
WELL: Piglet 21 State 27
FIELD: NAD 27 EZ
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-41174
JOB NO: NM-OXY-0087

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900). Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Troy Miller FST-2	Piglet 21 State 27 Original Hole	459.00 Ft to 4758.00 Ft	October 30, 2013 to November 3, 2013	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Joey Stewart
Field Service Manager

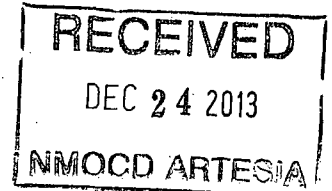
Joseph Stewart

CC: OXY
Enclosures: [2]
County of Eddy
State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)
6724 Corporation Pkwy Suite 100
Fort Worth, TX 76126
Phone: (817) 717-1820
Fax: (817) 546-7551

I, Troy Miller certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of October 30, 2013 through November 03, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 459.00 feet to a depth of 4758.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of OXY for the Piglet 21 State 27 Well (Original Hole) API No. 30-015-41174 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.



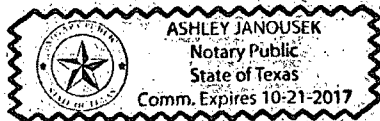
Troy Miller
EST-2

Troy Miller

Before me, _____ on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this Dec day of 3 2013 (year).

Notary Public



OXY (Piglet 21 State 27) Savanna 415 Survey Geodetic Report

(Def Survey)

Report Date: November 04, 2013 - 03:55 PM
 Client: OXY
 Field: NM, Eddy (NAD 27 EZ) 2012
 Structure / Slot: OXY (Piglet 21 State 27) Savanna 415 / Piglet 21 State 27
 Well: Piglet 21 State 27
 Borehole: Original Hole
 UWI / API#: NM-OXY-0087 / 30-105-41174
 Survey Name: OXY (Piglet 21 State 27) Savanna 415
 Survey Date: November 04, 2013
 Tort / AHD / DDI / ERD Ratio: 10.363 * / 64.223 ft / 2.823 / 0.013
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 4.08000", W 104° 11' 15.72000"
 Location Grid N/E Y/X: N 661257.532 ftUS, E 544740.302 ftUS
 CRS Grid Convergence Angle: 0.0789 *
 Grid Scale Factor: 0.99981138
 Version / Patch: 2.7.998.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 0.000 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3662.000 ft above Unknown
 Seabed / Ground Elevation: 3648.000 ft above Unknown
 Magnetic Declination: 7.793 *
 Total Gravity Field Strength: 998.5205mgm (9.80685 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48643.669 nT
 Magnetic Dip Angle: 60.559 *
 Declination Date: November 04, 2013
 Magnetic Declination Model: BGGM 2013
 North Reference: Grid North
 Grid Convergence Used: 0.0780 *
 Total Corr Mag North->Grid: 7.7140 *
 North:
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S * °)	Longitude (E/W * °)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	661257.53	544740.30	N 32 49 4.08	W 104 11 15.72
Begin MWD	459.00	0.79	330.81	458.99	2.76	2.76	-1.54	0.17	661260.29	544738.76	N 32 49 4.11	W 104 11 15.74
Surveys	575.00	0.62	322.33	574.98	3.96	3.96	-2.32	0.17	661261.49	544737.99	N 32 49 4.12	W 104 11 15.75
	694.00	0.70	238.87	693.97	4.09	4.09	-3.33	0.74	661261.62	544736.67	N 32 49 4.12	W 104 11 15.76
	847.00	0.70	302.90	846.96	4.12	4.12	-4.92	0.49	661261.65	544735.39	N 32 49 4.12	W 104 11 15.78
	938.00	0.79	292.53	937.95	4.66	4.66	-5.96	0.18	661262.19	544734.34	N 32 49 4.13	W 104 11 15.79
	1161.00	0.88	285.91	1160.93	5.75	5.75	-9.02	0.05	661263.28	544731.28	N 32 49 4.14	W 104 11 15.83
	1377.00	1.01	268.14	1376.90	6.17	6.17	-12.51	0.15	661263.70	544727.79	N 32 49 4.14	W 104 11 15.87
	1507.00	1.10	261.42	1506.88	5.94	5.94	-14.89	0.12	661263.47	544725.41	N 32 49 4.14	W 104 11 15.89
	1679.00	1.32	250.21	1678.84	5.03	5.03	-18.39	0.19	661262.56	544721.92	N 32 49 4.13	W 104 11 15.94
	1852.00	1.41	254.42	1851.79	3.78	3.78	-22.31	0.08	661261.31	544717.99	N 32 49 4.12	W 104 11 15.98
	1994.00	1.41	250.30	1993.75	2.72	2.72	-25.64	0.07	661260.25	544714.66	N 32 49 4.11	W 104 11 16.02
	2166.00	1.32	167.02	2165.71	0.08	0.08	-27.19	1.06	661257.51	544713.12	N 32 49 4.08	W 104 11 16.04
	2382.00	1.41	250.66	2381.67	-3.23	-3.23	-29.14	0.84	661254.31	544711.17	N 32 49 4.05	W 104 11 16.06
	2598.00	1.01	238.82	2598.62	-5.10	-5.10	-33.29	0.22	661252.43	544707.01	N 32 49 4.03	W 104 11 16.11
	2758.00	0.70	232.33	2758.61	-6.42	-6.42	-35.28	0.20	661251.11	544705.03	N 32 49 4.02	W 104 11 16.13
	2932.00	0.70	224.24	2931.59	-7.63	-7.63	-36.85	0.06	661249.71	544703.46	N 32 49 4.00	W 104 11 16.15
	3101.00	0.70	191.02	3100.58	-9.58	-9.58	-37.77	0.24	661247.95	544702.54	N 32 49 3.99	W 104 11 16.16
	3278.00	0.62	195.32	3277.57	-11.56	-11.56	-38.23	0.05	661245.97	544702.08	N 32 49 3.97	W 104 11 16.17
	3592.00	0.70	200.11	3591.55	-15.00	-15.00	-39.33	0.03	661242.53	544700.97	N 32 49 3.93	W 104 11 16.18
	3764.00	0.79	187.63	3763.53	-17.17	-17.17	-39.85	0.11	661240.37	544700.45	N 32 49 3.91	W 104 11 16.19
	3969.00	0.40	179.02	3968.52	-19.28	-19.28	-40.03	0.19	661238.25	544700.28	N 32 49 3.89	W 104 11 16.19
	4142.00	0.62	176.03	4141.52	-20.82	-20.82	-39.95	0.13	661236.71	544700.35	N 32 49 3.87	W 104 11 16.19
	4325.00	0.48	191.24	4324.51	-22.56	-22.56	-40.03	0.11	661234.98	544700.27	N 32 49 3.86	W 104 11 16.19
	4488.00	0.48	187.11	4487.50	-23.91	-23.91	-40.25	0.02	661233.63	544700.05	N 32 49 3.84	W 104 11 16.19
	4628.00	0.31	187.11	4627.50	-24.86	-24.86	-40.37	0.12	661232.67	544699.93	N 32 49 3.83	W 104 11 16.19
End MWD	4758.00	0.40	185.22	4757.50	-25.66	-25.66	-40.46	0.07	661231.87	544699.85	N 32 49 3.83	W 104 11 16.19
Surveys												

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	14.000	Act Sins	30.000	30.000	SLB_MWD-STD-Depth Only	Original Hole / OXY (Piglet 21 State 27) Savanna 415
	1	14.000	459.000	1/98.425	30.000	30.000	SLB_MWD-STD	Original Hole / OXY (Piglet 21 State 27) Savanna 415
	1	459.000	3278.000	Act Sins	30.000	30.000	SLB_MWD-STD	Original Hole / OXY (Piglet 21 State 27) Savanna 415
	1	3278.000	3592.000	1/98.425	30.000	30.000	SLB_MWD-STD	Original Hole / OXY (Piglet 21 State 27) Savanna 415
	1	3592.000	4758.000	Act Sins	30.000	30.000	SLB_MWD-STD	Original Hole / OXY (Piglet 21 State 27) Savanna 415