

Reservoir Development

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

December 11, 2012

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



Attention: Anthony Tschacher

Re:

CLIENT: OXY Permian
WELL: Piglet 21 Fed #9
FIELD: Permian Basin
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-40709
JOB NO: NM-OXY-0023

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>
Tim Daws FST-1	Piglet 21 Fed #9 Original Hole	129.00 Ft to 4811.00 Ft	November 22, 2012 to November 25, 2012	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,

Mike Johns
Field Service Manager

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

Reservoir Development

Drilling & Measurements (Extreme Engineering)

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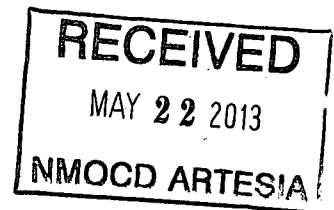
Phone: (817) 717-1820

Fax: (817) 546-7551

I, Tim Daws certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of November 22, 2012 through November 25, 2012, conduct or supervise the taking of the SlimPulse surveys from a depth of 129.00 feet to a depth of 4811.00 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 Permian for the Piglet 21 Fed #9 Well (Original Hole) API No. 30-015-40709 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.

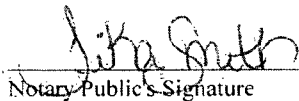
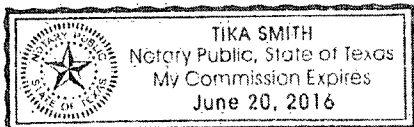


Tim Daws
FST-1



Before me, a notary public, on this day personally appeared Tim Daws, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.

Given under my hand and seal of office this 12th day of December, 2012.


Notary Public's Signature

Piglet 21 Fed 9 MWD 0' to 4811' Survey Report

(Def Survey)

Report Date: November 26, 2012 - 12:56 AM
 Client: OXY PERMIN
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY PERMIN (Piglet 21 Fed 9) SAVANNA 415 / Piglet 21 Fed 9
 Well: Piglet 21 Fed 9
 Borehole: Original Hole
 UWI / API#: NM-OXY-0023 / 30-015-40709
 Survey Name: Piglet 21 Fed 9 MWD 0' to 4811'
 Survey Date: November 26, 2012
 Tort / AHD / DDI / ERD Ratio: 14 481' / 35,543 ft / 2.712 / 0.007
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 31.80000", W 104° 11' 0.96000"
 Location Grid NIE YIX: N 664060.588 ftUS, E 545995.904 ftUS
 CRS Grid Convergence Angle: 0.08116792 °
 Grid Scale Factor: 0.99991151

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: 3609.000 ft above MSL
 Seabed / Ground Elevation: 3595.000 ft above MSL
 Magnetic Declination: 7.821 °
 Total Field Strength: 48745.188 nT
 Magnetic Dip Angle: 60.565 °
 Declination Date: November 26, 2012
 Magnetic Declination Model: BGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.081 °
 Total Corr Mag North->Grid North: 7.740 °
 Local Coord Referenced To: Structure Reference Point

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	664060.588	545995.904	N 32 49 31.80	W 104 11 0.96
Begin MWD	129.00	0.48	351.12	129.00	0.53	0.53	-0.08	0.37	664061.12	545995.82	N 32 49 31.81	W 104 11 0.96
Surveys	301.00	1.19	105.33	300.99	0.77	0.77	1.53	0.35	664061.36	545997.43	N 32 49 31.81	W 104 11 0.94
	407.00	0.78	104.72	406.95	-0.11	-0.11	4.80	0.20	664060.48	546000.70	N 32 49 31.80	W 104 11 0.90
	649.00	0.40	158.90	648.95	-0.87	-0.87	6.00	0.42	664059.72	546001.91	N 32 49 31.79	W 104 11 0.89
	845.00	0.09	104.50	844.95	-1.55	-1.55	6.40	0.18	664059.04	546002.30	N 32 49 31.78	W 104 11 0.89
	1041.00	0.48	189.89	1040.94	-2.39	-2.39	6.69	0.23	664058.20	546002.59	N 32 49 31.78	W 104 11 0.88
	1237.00	0.40	215.66	1236.94	-3.76	-3.76	6.44	0.18	664056.33	546002.34	N 32 49 31.76	W 104 11 0.86
	1326.00	0.31	261.43	1325.94	-4.05	-4.05	6.01	0.32	664056.54	546001.91	N 32 49 31.76	W 104 11 0.89
	1500.00	0.22	257.74	1499.94	-4.19	-4.19	5.23	0.05	664059.40	546001.13	N 32 49 31.78	W 104 11 0.90
	1696.00	0.70	263.54	1695.93	-4.41	-4.41	3.67	0.25	664059.18	545998.57	N 32 49 31.79	W 104 11 0.92
	1890.00	0.79	183.74	1889.92	-5.87	-5.87	2.40	0.49	664054.72	545998.31	N 32 49 31.74	W 104 11 0.93
	2078.00	1.19	103.93	2077.60	-7.64	-7.64	4.21	0.70	664052.95	546000.12	N 32 49 31.72	W 104 11 0.91
	2251.00	0.88	202.54	2250.88	-9.30	-9.30	5.45	0.91	664051.29	546001.35	N 32 49 31.71	W 104 11 0.90
	2425.00	0.79	190.72	2424.86	-11.71	-11.71	4.71	0.11	664048.88	546000.42	N 32 49 31.68	W 104 11 0.90
	2598.00	0.48	89.91	2597.35	-12.88	-12.88	5.22	0.58	664047.71	546001.12	N 32 49 31.67	W 104 11 0.90
	2755.00	0.40	278.11	2754.85	-12.82	-12.82	5.33	0.56	664047.77	546001.23	N 32 49 31.67	W 104 11 0.90
	2946.00	0.40	83.12	2945.85	-12.79	-12.79	5.33	0.42	664047.80	546001.23	N 32 49 31.67	W 104 11 0.90
	3115.00	0.48	85.80	3114.84	-12.89	-12.89	6.62	0.05	664047.70	546002.53	N 32 49 31.67	W 104 11 0.88
	3288.00	0.31	105.20	3287.84	-13.09	-13.09	7.80	0.10	664047.50	546003.70	N 32 49 31.67	W 104 11 0.87
	3462.00	0.09	83.43	3461.84	-13.22	-13.22	8.39	0.13	664047.37	546004.29	N 32 49 31.67	W 104 11 0.86
	3660.00	0.22	101.82	3659.84	-13.30	-13.30	8.01	0.07	664047.26	546004.82	N 32 49 31.67	W 104 11 0.86
	3850.00	0.31	200.61	3849.64	-13.86	-13.86	9.09	0.21	664046.73	546004.99	N 32 49 31.66	W 104 11 0.85
	4023.00	0.09	261.43	4022.64	-14.32	-14.32	8.79	0.16	664046.27	546004.70	N 32 49 31.66	W 104 11 0.86
	4197.00	0.09	257.74	4196.64	-14.37	-14.37	8.52	0.00	664046.22	546004.42	N 32 49 31.66	W 104 11 0.86
	4370.00	0.22	263.54	4369.84	-14.43	-14.43	8.06	0.08	664046.16	546003.96	N 32 49 31.66	W 104 11 0.87
	4525.00	0.79	209.22	4524.83	-15.40	-15.40	7.24	0.44	664045.19	546003.15	N 32 49 31.65	W 104 11 0.86
	4621.00	0.48	236.03	4620.82	-16.20	-16.20	6.59	0.44	664044.39	546002.49	N 32 49 31.64	W 104 11 0.88
End MWD Surveys	4811.00	0.48	262.83	4810.82	-16.75	-16.75	5.14	0.12	664043.84	546001.04	N 32 49 31.63	W 104 11 0.90

Survey Type: Def Survey

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

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / Piglet 21 Fed 9 MWD 0' to 4811'
	14.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / Piglet 21 Fed 9 MWD 0' to 4811'
	14.000	4811.000	Act Stns	SLB_MWD-STD	Original Hole / Piglet 21 Fed 9 MWD 0' to 4811'