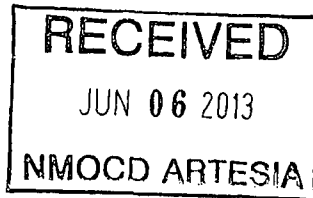


Schlumberger

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

May 29, 2013

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



Attention: Anthony Tschacher

Re:

CLIENT: OXY
WELL: Piglet State SWD1
FIELD: NM, Eddy (NAD 27) 2011
RIG: H&P 344
COUNTY: Eddy
API NO: ~~30-015-40829~~ 30-015-40820
JOB NO: NM-OXY-0039

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-1	Piglet State SWD1 Original Hole	439.00 Ft to 8056.00 Ft	January 28, 2013 to February 15, 2013	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or unit 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,

Jeremiah Smith
Field Service Manager

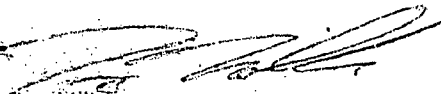
CC: OXY
Enclosures: [2]
County of Eddy
State of New Mexico

Resubmit

*Jennifer: email w/b for legible
last page*

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 January 28, 2013 through February 15, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 439.00 feet to a depth of 8056.00 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 State FWDI Well (Original Hole) API No. 30-015-40829 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
FST-1



OFFICIAL SEAL
Dana M. Rodriguez
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: 8/8/15

Before me Dana M. Rodriguez, on this day personally appeared Troy Miller, 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 29th day of May, (year) 2013

Dana M. Rodriguez
Notary Public

Piglet State SWD 1 MWD 0' to 8056' Survey Report

(Def Survey)

Report Date: May 28, 2013 - 10:51 AM
 Client: NEX, Eddy (HAC07) 8211
 Structure / Stat: OXY (Piglet State SWD 1) H1 344 / Piglet State SWD 1
 Well: Piglet State SWD 1
 Borehole: Original Hole
 UTM / APU: NEX-OXY-0002 / 30-CTS-4-020
 Survey Dates: Piglet State SWD 1 MWD 0' to 8056'
 Survey Date: February 15, 2013
 Tilt / AMD / DDI / ERO Ratio: 11.116° / 07.826° / 13.038° / 0.012
 Geocentric Reference System: NAD83 / New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 7.32037", W 104° 10' 41.80300"
 Location On-Air YR: N 081529.003 RLUS, E 547027.517 RLUS
 CRS Grid Convergence Angle: 0.0642558°
 Grid Scale Factor: 0.99971169

Survey / DLS Convergence: Minimum Convergence / Lubinski
 Vertical Section Azimuth: 0.000° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Elevation: RLGS
 Sealed / Ground Elevation: 3608.300 ft above MSL
 Magnetic Declination: 7.638°
 Total Field Strength: 48712.638 nT
 Magnetic Dip Angle: 00.523°
 Declination Date: February 15, 2013
 Magnetic Declination Model: IGC24 2012
 North Reference: Grid North
 Grid Convergence Used: 0.000°
 Total Corrig (Mag North-Grid North): 7.638°
 Local Chord Declination Tilt: W23.140°

Corrections	ED	Ind	Arriv Gns	TVD	W23C	NS	EW	RLS	North	East	Latitude	Longitude
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.4	651521.00	547027.51	N 32° 49' 7.32" W 104° 10' 41.80"	
Begin MWD	430.00	0.00	228.52	433.00	-0.34	-0.24	-0.25	0.02	651523.00	547027.37	N 32° 49' 7.32" W 104° 10' 41.80"	
Sun eye	623.00	0.00	251.11	620.00	-0.28	-0.28	-0.49	0.03	651526.71	547027.12	N 32° 49' 7.32" W 104° 10' 41.80"	
	742.00	0.00	265.02	740.00	-0.51	-0.51	-0.87	0.10	651531.81	547026.75	N 32° 49' 7.31" W 104° 10' 41.80"	
	837.00	0.22	278.90	833.00	-0.95	-0.95	-1.37	0.11	651533.92	547026.29	N 32° 49' 7.31" W 104° 10' 41.80"	
	1015.00	0.24	331.81	1015.00	-1.21	-1.21	-1.73	0.10	651537.08	547025.69	N 32° 49' 7.31" W 104° 10' 41.80"	
	1079.00	0.42	335.79	1079.00	-1.35	-1.35	-2.03	0.13	651541.71	547025.59	N 32° 49' 7.31" W 104° 10' 41.80"	
	1197.00	0.31	339.12	1198.00	-1.32	-1.32	-2.41	0.28	651547.15	547025.21	N 32° 49' 7.30" W 104° 10' 41.81"	
	1377.00	0.22	352.73	1376.00	-2.74	-2.74	-2.53	0.03	651550.32	547025.89	N 32° 49' 7.29" W 104° 10' 41.81"	
	1559.00	0.43	353.43	1559.00	-2.45	-2.45	-2.08	0.34	651558.81	547024.04	N 32° 49' 7.30" W 104° 10' 41.81"	
	1737.00	0.43	373.35	1736.00	-2.58	-2.58	-2.89	0.49	651568.48	547024.86	N 32° 49' 7.29" W 104° 10' 41.81"	
	1917.00	0.48	378.32	1916.00	-3.83	-3.83	-3.02	0.20	651573.71	547024.59	N 32° 49' 7.28" W 104° 10' 41.82"	
	2097.00	0.70	388.52	2096.00	-5.87	-5.87	-3.72	0.19	651581.60	547023.89	N 32° 49' 7.27" W 104° 10' 41.82"	
	2279.00	0.52	402.86	2278.00	-6.95	-6.95	-4.49	0.11	651583.11	547023.18	N 32° 49' 7.25" W 104° 10' 41.83"	
	2463.00	0.70	428.90	2463.00	-8.90	-8.90	-5.00	0.05	651588.00	547022.82	N 32° 49' 7.25" W 104° 10' 41.84"	
	2643.00	0.70	458.62	2643.00	-11.05	-11.05	-5.09	0.02	651593.01	547021.83	N 32° 49' 7.21" W 104° 10' 41.85"	
	2765.00	0.88	480.40	2764.00	-13.25	-13.25	-6.74	0.12	651597.77	547020.88	N 32° 49' 7.19" W 104° 10' 41.86"	
	2949.00	1.01	508.08	2949.00	-15.93	-15.93	-8.12	0.09	651603.13	547019.50	N 32° 49' 7.16" W 104° 10' 41.86"	
	3125.00	1.04	533.71	3125.00	-18.81	-18.81	-9.48	0.02	651608.26	547018.16	N 32° 49' 7.13" W 104° 10' 41.86"	
	3308.00	1.19	557.01	3308.00	-21.60	-21.60	-10.81	0.10	651613.07	547016.87	N 32° 49' 7.10" W 104° 10' 42.01"	
	3487.00	1.41	578.29	3486.00	-25.00	-25.00	-13.18	0.14	651618.22	547015.49	N 32° 49' 7.09" W 104° 10' 42.02"	
	3667.00	1.59	608.82	3666.00	-30.34	-30.34	-15.55	0.10	651623.70	547014.04	N 32° 49' 7.08" W 104° 10' 42.04"	
	3847.00	1.80	639.50	3846.00	-35.80	-35.80	-17.92	0.12	651629.00	547012.33	N 32° 49' 6.97" W 104° 10' 42.06"	
	4023.00	1.89	670.49	4022.00	-40.87	-40.87	-17.20	0.05	651634.20	547010.42	N 32° 49' 6.92" W 104° 10' 42.08"	
	4205.00	2.20	692.89	4204.00	-47.00	-47.00	-16.67	0.21	651640.00	547008.85	N 32° 49' 6.95" W 104° 10' 42.10"	
	4383.00	1.00	718.39	4382.00	-53.19	-53.19	-20.21	0.23	651645.88	547007.41	N 32° 49' 6.97" W 104° 10' 42.12"	
	4563.00	1.49	743.22	4562.00	-58.34	-58.34	-20.67	0.19	651650.73	547005.75	N 32° 49' 6.94" W 104° 10' 42.13"	
	4742.00	1.19	771.30	4741.00	-62.64	-62.64	-20.90	0.19	651655.53	547004.84	N 32° 49' 6.90" W 104° 10' 42.13"	
	4923.00	1.01	798.42	4922.00	-66.90	-66.90	-20.73	0.10	651660.08	547003.65	N 32° 49' 6.87" W 104° 10' 42.12"	
	5109.00	0.79	824.65	5108.00	-70.85	-70.85	-20.53	0.13	651664.27	547002.00	N 32° 49' 6.84" W 104° 10' 42.12"	
	5290.00	0.48	850.19	5289.00	-74.75	-74.75	-20.42	0.20	651668.31	547000.80	N 32° 49' 6.82" W 104° 10' 42.12"	
	5472.00	0.40	876.71	5471.00	-78.62	-78.62	-21.30	0.11	651672.13	547000.20	N 32° 49' 6.81" W 104° 10' 42.13"	
	5653.00	0.02	903.00	5652.00	-82.44	-82.44	-22.13	0.13	651675.85	547000.20	N 32° 49' 6.80" W 104° 10' 42.14"	
	5835.00	0.02	929.00	5834.00	-86.25	-86.25	-23.71	0.09	651679.47	547000.91	N 32° 49' 6.80" W 104° 10' 42.15"	
	6017.00	0.02	954.72	6016.00	-90.06	-90.06	-25.40	0.20	651683.01	547000.16	N 32° 49' 6.80" W 104° 10' 42.16"	
	6199.00	0.70	980.00	6198.00	-93.87	-93.87	-27.50	0.12	651686.40	547000.12	N 32° 49' 6.80" W 104° 10' 42.20"	
	6381.00	0.52	1005.00	6380.00	-97.68	-97.68	-29.43	0.05	651689.74	547000.14	N 32° 49' 6.80" W 104° 10' 42.25"	
	6563.00	0.70	1030.00	6562.00	-101.50	-101.50	-31.44	0.05	651693.01	547000.10	N 32° 49' 6.80" W 104° 10' 42.25"	
	6745.00	0.70	1055.00	6744.00	-105.31	-105.31	-33.54	0.02	651696.20	547000.08	N 32° 49' 6.80" W 104° 10' 42.27"	
	6927.00	0.20	1080.00	6926.00	-109.12	-109.12	-35.64	0.20	651699.40	547000.01	N 32° 49' 6.80" W 104° 10' 42.29"	
	7109.00	0.40	1105.00	7108.00	-112.93	-112.93	-37.74	0.11	651702.59	547000.11	N 32° 49' 6.81" W 104° 10' 42.30"	
	7291.00	0.10	1130.00	7290.00	-116.74	-116.74	-39.84	1.05	651705.78	547000.30	N 32° 49' 6.81" W 104° 10' 42.30"	
	7473.00	0.09	1155.00	7472.00	-120.55	-120.55	-41.94	0.01	651708.97	547000.33	N 32° 49' 6.81" W 104° 10' 42.30"	
	7655.00	0.49	1180.00	7654.00	-124.36	-124.36	-44.04	0.17	651712.16	547000.39	N 32° 49' 6.81" W 104° 10' 42.30"	
	7837.00	0.09	1205.00	7836.00	-128.17	-128.17	-46.14	0.18	651715.35	547000.47	N 32° 49' 6.81" W 104° 10' 42.33"	
	8019.00	0.22	1230.00	8018.00	-131.98	-131.98	-48.24	0.11	651718.54	547000.55	N 32° 49' 6.81" W 104° 10' 42.37"	
	8201.00	0.00	1255.00	8200.00	-135.79	-135.79	-50.34	0.07	651721.73	547000.63	N 32° 49' 6.81" W 104° 10' 42.38"	
	8383.00	0.30	1280.00	8382.00	-139.60	-139.60	-52.44	0.02	651724.92	547000.80	N 32° 49' 6.81" W 104° 10' 42.38"	

Survey Type: Def Survey

Survey Error Model: IGC75A Rev 0 - 3-0 95.00% Confidence 2.765 sigma

Survey Preprint:

Description	ED From	ED To	EDU From	Survey Tool Type	Borehole / Convey
0.000	0.000	100.000	100.000	SLB MWD-STD-Open Only	Original Hole / Piglet State SWD 1 MWD 0' to 8056'
100.000	100.000	200.000	200.000	SLB MWD-STD	Original Hole / Piglet State SWD 1 MWD 0' to 8056'
200.000	200.000	300.000	300.000	SLB MWD-STD	Original Hole / Piglet State SWD 1 MWD 0' to 8056'