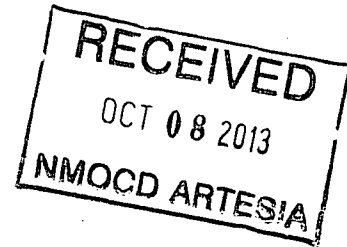


Reservoir Development

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

August 27, 2013

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



Attention: Anthony Tchacher

Re:

CLIENT: OXY
WELL: Artesia Yeso Fed Unit #16
FIELD: Glorieta
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-01541330
JOB NO: NM-OXY-0082

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	Artesia Yeso Fed Unit #16 Original Hole	220.00 Ft to 4847.00 Ft	August 19, 2013 to August 23, 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

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 August 19, 2013 through August 23, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 220.00 feet to a depth of 4847.00 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 Artesia Yeso Fed Unit #16 Well (Original Hole) API No. 30-01541330 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-2

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 28th day of Aug 2013 (year).

Dana M Rodriguez
Notary Public



OFFICIAL SEAL
Dana M Rodriguez
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: 8/8/2015

Artesia Yeso Fed Unit #16 MWD 0' to 4847' Survey Report (Def Survey)

Report Date: August 23, 2013 - 12:06 PM
 Client: OXY
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY (Artesia Yeso Fed Unit #16) Savanna 415 / Artesia Yeso Fed Unit #16
 Well: Artesia Yeso Fed Unit #16
 Borehole: Original Hole
 UWI / API#: NM-OXY-0082 / 30-015-41330
 Survey Name: Artesia Yeso Fed Unit #16 MWD 0' to 4847'
 Survey Date: August 23, 2013
 Tort / AHD / DDI / ERD Ratio: 12.145' / 51.853 ft / 2.799 / 0.011
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 27.12000", W 104° 11' 9.96000"
 Location Grid N/E Y/X: N 663586.563 ftUS, E 545228.599 ftUS
 CRS Grid Convergence Angle: 0.07980990°
 Grid Scale Factor: 0.99991143

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: Unknown
 TVD Reference Elevation: 3616.000 ft above MSL
 Seabed / Ground Elevation: 3602.000 ft above MSL
 Magnetic Declination: 7.817°
 Total Field Strength: 48689.537 nT
 Magnetic Dip Angle: 60.581°
 Declination Date: August 23, 2013
 Magnetic Declination Model: IGRF2010/IGRF-11
 North Reference: Grid North
 Grid Convergence Used: 0.080°
 Total Corr Mag North→Grid North: 7.737°
 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	663586.56	545228.60	N 32 49 27.12	W 104 11 9.96
Begin MWD Surveys	220.00	0.62	327.15	220.00	1.00	1.00	-0.65	0.28	663587.56	545227.95	N 32 49 27.13	W 104 11 9.97
	440.00	0.70	27.82	439.88	3.19	3.19	-0.67	0.30	663589.75	545227.93	N 32 49 27.15	W 104 11 9.97
	620.00	0.40	330.18	619.98	4.71	4.71	-0.47	0.33	663591.27	545228.13	N 32 49 27.17	W 104 11 9.97
	803.00	0.09	353.91	802.97	5.41	5.41	-0.60	0.17	663591.97	545227.79	N 32 49 27.17	W 104 11 9.97
	988.00	0.48	322.01	987.97	6.16	6.16	-1.30	0.22	663592.72	545227.30	N 32 49 27.18	W 104 11 9.98
	1191.00	0.40	291.51	1190.97	7.09	7.09	-2.48	0.12	663593.65	545226.12	N 32 49 27.19	W 104 11 9.99
	1407.00	0.40	300.39	1406.96	7.75	7.75	-3.83	0.03	663594.31	545224.77	N 32 49 27.20	W 104 11 10.00
	1537.00	0.48	244.71	1536.96	7.75	7.75	-4.71	0.32	663594.31	545223.88	N 32 49 27.20	W 104 11 10.02
	1709.00	0.70	297.62	1708.95	7.93	7.93	-6.30	0.33	663594.49	545222.30	N 32 49 27.24	W 104 11 10.03
	1882.00	0.89	285.31	1881.93	8.77	8.77	-8.53	0.15	663595.33	545220.07	N 32 49 27.21	W 104 11 10.06
	2055.00	0.48	309.88	2054.92	9.59	9.59	-10.38	0.29	663596.15	545218.22	N 32 49 27.22	W 104 11 10.08
	2314.00	0.62	304.62	2313.91	11.08	11.08	-12.37	0.06	663597.64	545216.23	N 32 49 27.23	W 104 11 10.10
	2488.00	0.09	258.71	2487.90	11.59	11.59	-13.27	0.32	663598.15	545215.33	N 32 49 27.23	W 104 11 10.12
	2660.00	0.70	329.00	2659.90	12.46	12.46	-13.95	0.39	663599.02	545214.65	N 32 49 27.24	W 104 11 10.12
	2876.00	0.48	231.13	2875.89	13.02	13.02	-15.33	0.42	663599.58	545213.27	N 32 49 27.25	W 104 11 10.14
	3048.00	0.88	345.21	3047.89	13.84	13.84	-16.23	0.68	663600.41	545212.37	N 32 49 27.26	W 104 11 10.15
	3221.00	0.79	348.90	3220.87	16.30	16.30	-16.80	0.06	663602.86	545211.80	N 32 49 27.28	W 104 11 10.16
	3394.00	0.07	18.00	3393.86	17.57	17.57	-17.00	0.42	663604.13	545211.61	N 32 49 27.29	W 104 11 10.16
	3567.00	0.62	327.81	3566.86	18.46	18.46	-17.48	0.33	663605.02	545211.14	N 32 49 27.30	W 104 11 10.16
	3739.00	1.01	344.29	3738.84	20.71	20.71	-18.37	0.26	663607.27	545210.23	N 32 49 27.33	W 104 11 10.17
	3912.00	0.70	336.51	3911.82	23.15	23.15	-19.20	0.19	663609.71	545209.40	N 32 49 27.35	W 104 11 10.18
	4085.00	1.10	318.19	4084.80	25.35	25.35	-20.73	0.28	663611.91	545207.87	N 32 49 27.37	W 104 11 10.20
	4301.00	1.19	322.18	4300.76	28.67	28.67	-23.49	0.06	663615.23	545205.11	N 32 49 27.40	W 104 11 10.23
	4394.00	1.19	319.19	4393.74	30.16	30.16	-24.71	0.07	663616.72	545203.89	N 32 49 27.42	W 104 11 10.25
	4565.00	1.49	330.41	4564.69	33.44	33.44	-26.97	0.23	663620.00	545201.83	N 32 49 27.45	W 104 11 10.28
	4646.00	0.79	324.29	4645.67	34.81	34.81	-27.81	0.88	663621.37	545200.79	N 32 49 27.46	W 104 11 10.29
	4819.00	0.79	323.42	4818.68	36.74	36.74	-29.22	0.01	663623.30	545199.38	N 32 49 27.48	W 104 11 10.30
End MWD Surveys	4847.00	0.79	328.51	4846.65	37.06	37.06	-29.44	0.25	663623.62	545199.16	N 32 49 27.49	W 104 11 10.30

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7855 sigma

Survey Program:

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 / Artesia Yeso Fed Unit #16 MWD 0' to 4847'
	14.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / Artesia Yeso Fed Unit #16 MWD 0' to 4847'
	14.000	4847.000	Act Stns	SLB_MWD-STD	Original Hole / Artesia Yeso Fed Unit #16 MWD 0' to 4847'