

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

January 3, 2013

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

Attention: Anthony T Tschacher

Re:

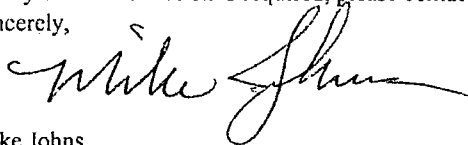
CLIENT: OXY
WELL: Governmen AB Federal #11
FIELD: Burton Flats North
RJG: H&P 344
COUNTY: Eddy County
API NO: 30-015-40853
JOB NO: NM-OXY-0027

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>
Christopher Fili FST-1	Governmen AB Federal #11 Original Hole	359.00 Ft to 3065.00 Ft	December 9, 2012 to December 20, 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
Enclosures: [2]
County of Eddy County
State of New Mexico

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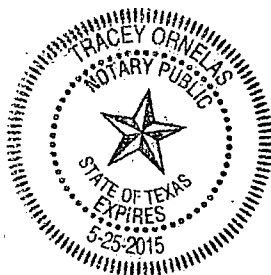
Fax: (817) 546-7551

I, Christopher Fili certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of December 09, 2012 through December 20, 2012, conduct or supervise the taking of the SlimPulse surveys from a depth of 359.00 feet to a depth of 3065.00 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 Governmen AB Federal #11 Well (Original Hole) API No. 30-015-40853 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.

Christopher Fili
FST-1

Before me, Tracey Ornelas, on this day personally appeared Christopher Fili, 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 3 day of Jan, (year) 2013.

Notary Public

Government ABFederal 11 MWD 0' to 3065' Survey Report

(Def Survey)

Report Date: December 13, 2012 - 12:58 AM
 Client: Oxy
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY (Government ABFederal 11) HP 344 / Government ABFederal 11
 Well: Government ABFederal 11
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-40853
 Survey Name: Government ABFederal 11 MWD 0' to 3065'
 Survey Date: December 13, 2012
 Tort / AHD / DDI / ERD Ratio: 3.536 * / 30.048 ft / 2.026 / 0.010

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: 3307.000 ft above MSL
 Seabed / Ground Elevation: 3290.500 ft above MSL
 Magnetic Declination: 7.855 *
 Total Field Strength: 48601.259 nT
 Magnetic Dip Angle: 60.346 *
 Declination Date: December 13, 2012

Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Magnetic Declination Model: BGGM 2012
 Location Lat / Long: N 32° 35' 22.20000", W 104° 10' 3.72000"
 Location Grid N/E Y/X: N 578211.504 RUS, E 551014.272 RUS
 CRS Grid Convergence Angle: 0.08921301 *
 Grid Scale Factor: 0.99991207
 North Reference: Grid North
 Grid Convergence Used: 0.089 *
 Total Corr Mag North -> Grid North: 7.766 *
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	578211.50	551014.27	N 32 35 22.20	W 104 10 3.72
Begin MWD Surveys	359.00	0.70	289.59	358.99	0.74	0.74	-2.07	0.19	578212.24	551012.21	N 32 35 22.21	W 104 10 3.74
	557.00	0.70	247.66	556.96	0.68	0.68	-4.32	0.25	578212.19	551009.95	N 32 35 22.21	W 104 10 3.77
	743.00	0.22	202.05	742.97	-0.08	-0.08	-5.51	0.31	578211.42	551008.76	N 32 35 22.20	W 104 10 3.78
	943.00	0.40	162.59	942.97	-1.10	-1.10	-5.44	0.13	578210.40	551008.83	N 32 35 22.19	W 104 10 3.78
	1142.00	0.62	165.27	1141.96	-2.81	-2.81	-4.96	0.11	578208.70	551009.31	N 32 35 22.17	W 104 10 3.78
	1340.00	0.62	148.96	1339.95	-4.76	-4.76	-4.14	0.09	578208.74	551010.13	N 32 35 22.15	W 104 10 3.77
	1537.00	0.62	141.55	1536.94	-6.51	-6.51	-2.93	0.04	578205.00	551011.35	N 32 35 22.14	W 104 10 3.75
	1630.00	0.62	146.65	1629.93	-7.32	-7.32	-2.34	0.06	578204.18	551011.94	N 32 35 22.13	W 104 10 3.75
	1775.00	0.62	151.05	1774.92	-8.67	-8.67	-1.53	0.03	578202.84	551012.75	N 32 35 22.11	W 104 10 3.74
	1956.00	0.62	148.10	1955.91	-10.35	-10.35	-0.53	0.02	578201.15	551013.74	N 32 35 22.10	W 104 10 3.73
	2116.00	0.62	132.25	2115.90	-11.67	-11.67	0.56	0.11	578199.83	551014.84	N 32 35 22.08	W 104 10 3.71
	2313.00	0.79	116.57	2312.89	-13.00	-13.00	2.57	0.13	578198.51	551016.84	N 32 35 22.07	W 104 10 3.69
	2495.00	0.62	116.50	2494.88	-14.00	-14.00	4.57	0.09	578197.51	551018.84	N 32 35 22.06	W 104 10 3.67
	2692.00	0.62	92.45	2691.86	-14.52	-14.52	6.59	0.13	578196.99	551020.86	N 32 35 22.06	W 104 10 3.64
End MWD Surveys	2868.00	0.62	90.08	2867.85	-14.56	-14.56	8.49	0.01	578196.95	551022.77	N 32 35 22.06	W 104 10 3.62
	3065.00	0.62	89.62	3064.84	-14.55	-14.55	10.63	0.00	578196.95	551024.90	N 32 35 22.06	W 104 10 3.60

Survey Type: Def Survey

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

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	16.500	1/16.500	SLB_MWD-STD-Depth Only	Original Hole / Government ABFederal 11 MWD 0' to 3065'
	16.500	359.000	1/342.500	SLB_MWD-STD	Original Hole / Government ABFederal 11 MWD 0' to 3065'
	359.000	3065.000	1/2706.000	SLB_MWD-STD	Original Hole / Government ABFederal 11 MWD 0' to 3065'