

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

May 9, 2013

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046

Attention: Luis Tarazona

Re:

CLIENT: Occidental Permian Ltd
 WELL: Government AB Federal #12
 FIELD: Artesian Lorette
 RIG: HP 344
 COUNTY: Eddy
 API NO: 30-015-41049
 JOB NO: NM-OXY-0052

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>
Nick Banschbach	Government AB Federal #12	144.00 Ft to	March 16, 2013 to	SlimPulse
	0 Original Hole	2888.00 Ft	March 24, 2013	

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,

Sean Ruddy
 Field Service Manager

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

Reservoir Development

Drilling & Measurements (Extreme Engineering)

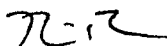
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I, Nick Banschbach certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of March 16, 2013 through March 24, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 144.00 feet to a depth of 2888.00 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 Occidental Permian Ltd for the Government AB Federal #12 Well (Original Hole) API No. 30-015-41049 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.

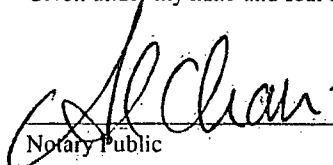


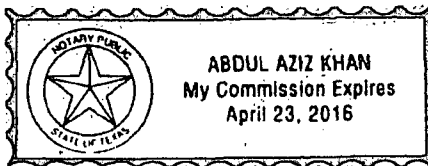
Nick Banschbach

0

Before me, Abdul Khon, on this day personally appeared Nick Banschbach, 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 May day of 10 2013, (year).


Notary Public



GOVERNMENT AB FEDERAL 12 MWD 0' to 2888' Survey Report

(Def Survey)

Report Date: May 09, 2013 - 11:43 AM
 Client: NM, Eddy (NAD27) 2011
 Field: OXY (GOVERNMENT AB FEDERAL 12) HP 344 / GOVERNMENT AB
 Structure / Slot: FEDERAL 12
 Well: GOVERNMENT AB FEDERAL 12
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-41049
 Survey Name: GOVERNMENT AB FEDERAL 12 MWD 0' to 2888'
 Survey Date: March 24, 2013
 Tort / AHD / DDI / ERD Ratio: 12.114' / 51.943 ft / 2.799 / 0.018
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Foot
 Location Lat / Long: N 32° 35' 33.72000", W 104° 0' 44.64000"
 Location Grid N/E Y/X: N 579378.219 ftUS, E 552644.778 ftUS
 CRS Grid Convergence Angle: 0.09207573°
 Grid Scale Factor: 0.99991228

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: 3291.000 ft above MSL
 Sealed / Ground Elevation: 3291.000 ft above MSL
 Magnetic Declination: 7.844°
 Total Field Strength: 48597.310 nT
 Magnetic Dip Angle: 60.383°
 Declination Date: March 24, 2013
 Magnetic Declination Model: IGRF2010/IGRF-11
 North Reference: Grid North
 Grid Convergence Used: 0.092°
 Total Cor Mag North-Grid North: 7.752°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/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	579378.22	552644.78	N 32 35 33.72	W 104 0 44.64
	144.00	0.31	277.97	144.00	0.05	0.05	-0.39	0.22	579378.27	552644.39	N 32 35 33.72	W 104 0 44.64
	235.00	0.40	249.14	235.00	-0.02	-0.02	-0.83	0.22	579378.19	552643.85	N 32 35 33.72	W 104 0 44.65
	386.00	1.58	220.31	385.97	-1.80	-1.80	-2.77	0.82	579378.42	552642.01	N 32 35 33.70	W 104 0 44.67
	476.00	1.32	249.45	475.95	-3.11	-3.11	-4.54	0.86	579375.11	552640.24	N 32 35 33.69	W 104 0 44.68
	567.00	0.31	251.95	566.99	-3.55	-3.55	-5.75	1.11	579374.67	552639.02	N 32 35 33.68	W 104 0 44.71
	653.00	0.31	192.14	652.99	-3.65	-3.65	-6.02	0.38	579374.37	552638.75	N 32 35 33.68	W 104 0 44.71
	751.00	0.40	170.04	750.93	-4.45	-4.45	-6.02	0.17	579373.77	552638.76	N 32 35 33.66	W 104 0 44.71
	872.00	0.88	219.35	871.92	-5.58	-5.58	-6.54	0.57	579372.64	552638.24	N 32 35 33.66	W 104 0 44.72
	1022.00	0.88	230.33	1021.91	-7.21	-7.21	-8.15	0.11	579371.01	552636.62	N 32 35 33.65	W 104 0 44.74
	1157.00	1.19	228.06	1156.89	-8.79	-8.79	-10.01	0.23	579369.43	552634.77	N 32 35 33.63	W 104 0 44.76
	1293.00	1.41	172.06	1292.85	-11.37	-11.37	-10.85	0.92	579366.85	552633.93	N 32 35 33.61	W 104 0 44.77
	1383.00	1.49	222.03	1382.83	-13.34	-13.34	-11.48	1.36	579364.88	552633.30	N 32 35 33.59	W 104 0 44.77
	1565.00	1.41	228.44	1564.77	-16.58	-16.58	-14.74	0.10	579361.64	552630.04	N 32 35 33.56	W 104 0 44.81
	1701.00	1.41	226.05	1700.73	-18.85	-18.85	-17.19	0.04	579359.37	552627.59	N 32 35 33.53	W 104 0 44.84
	1836.00	1.41	232.75	1835.89	-21.01	-21.01	-19.71	0.12	579357.21	552625.07	N 32 35 33.51	W 104 0 44.87
	1971.00	1.41	238.33	1970.85	-22.89	-22.89	-22.45	0.10	579355.33	552622.33	N 32 35 33.49	W 104 0 44.90
	2106.00	1.41	242.24	2105.61	-24.54	-24.54	-25.33	0.07	579353.69	552619.45	N 32 35 33.48	W 104 0 44.94
	2286.00	1.32	250.24	2285.56	-26.27	-26.27	-29.24	0.12	579351.95	552615.54	N 32 35 33.46	W 104 0 44.98
	2466.00	1.19	338.17	2467.53	-25.22	-25.22	-31.92	0.96	579353.00	552612.86	N 32 35 33.47	W 104 0 45.01
	2650.00	1.10	249.84	2649.50	-24.07	-24.07	-34.26	0.88	579354.15	552610.52	N 32 35 33.48	W 104 0 45.04
	2832.00	1.10	252.15	2831.47	-25.21	-25.21	-37.56	0.02	579353.01	552607.22	N 32 35 33.47	W 104 0 45.08
	2888.00	0.88	254.46	2887.46	-25.49	-25.49	-38.49	0.40	579352.73	552606.29	N 32 35 33.47	W 104 0 45.09

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)	EQD Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	144.000	Act Sins	SLB_MWD-STD	Original Hole / GOVERNMENT AB FEDERAL 12 MWD 0' to 2888'
	144.000	2888.000	Act Sins	SLB_MWD-STD	Original Hole / GOVERNMENT AB FEDERAL 12 MWD 0' to 2888'