

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

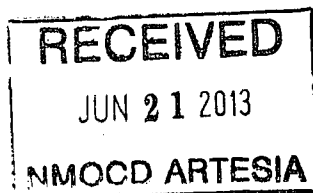
Fax: (817) 546-7551

May 9, 2013

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046



Attention: Luis Tarazona

Re:

CLIENT: Occidental Permian Ltd

WELL: Piglet 21 FED 13

FIELD: Artesian Lorette

RIG: Savanna 415

COUNTY: Eddy

API NO: 30-015-4070 40670

JOB NO: NM-OXY-0048

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	Piglet 21 FED 13	137.00 Ft to	March 9, 2013 to	SlimPulse
0	Original Hole	4620.00 Ft	March 13, 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 09, 2013 through March 13, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 137.00 feet to a depth of 4620.00 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 Piglet 21 FED 13 Well (Original Hole) API No. 30-015-4070 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.

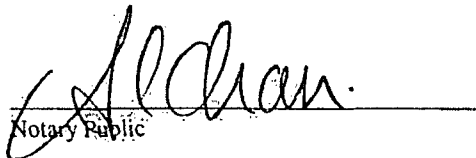


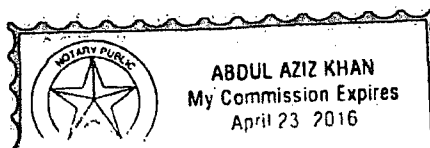
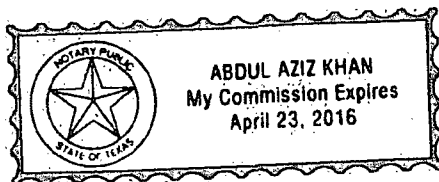
Nick Banschbach

0

Before me, Abdul Khan, 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 10 day of May 2013 (year).


Notary Public



PIGLET 21 FED 13 MWD 0' to 4620' Survey Report

(Def Survey)

Report Date: May 09, 2013 - 11:48 AM
 Client: OXY
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY (PIGLET 21 FED 13) SAVANNA 415 / PIGLET 21 FED 13
 Well: PIGLET 21 FED 13
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-4070
 Survey Name: PIGLET 21 FED 13 MWD 0' to 4620'
 Survey Date: March 22, 2013
 Tort / AHD / DDI / ERP Ratio: 13.067 * / 35.467 ft / 2.678 / 0.008
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 27.46000", W 104° 10' 30.00000"
 Location Grid N/E Y/X: N 663627.872 NUS, E 548638.356 NUS
 CRS Grid Convergence Angle: 0.08582706 *
 Grid Scale Factor: 0.9999118

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: 3630.000 ft above MSL
 Seabed / Ground Elevation: 3616.000 ft above MSL
 Magnetic Declination: 7.879 *
 Total Field Strength: 48671.007 nT
 Magnetic Dip Angle: 60.594 *
 Declination Date: March 22, 2013
 Magnetic Declination Model: IGRF2010/IGRF-11
 North Reference: Grid North
 Grid Convergence Used: 0.085 *
 Total Corr Mag North->Grid North: 7.793 *
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	663627.87	548638.36	N 32 49 27.48	W 104 10 30.00
Begin MWD Surveys	137.00	0.31	158.61	137.00	-0.35	-0.35	0.14	0.23	663627.53	548638.49	N 32 49 27.48	W 104 10 30.00
	198.00	0.70	155.80	198.00	-0.84	-0.84	0.35	0.64	663627.03	548638.70	N 32 49 27.47	W 104 10 30.00
	398.00	1.49	159.27	397.96	-4.38	-4.38	1.77	0.40	663623.49	548640.13	N 32 49 27.44	W 104 10 29.98
	426.00	1.41	51.78	425.95	-4.51	-4.51	2.17	8.35	663623.36	548640.52	N 32 49 27.44	W 104 10 29.97
	575.00	0.88	159.01	574.94	-4.45	-4.45	4.02	1.26	663623.43	548642.37	N 32 49 27.44	W 104 10 29.95
	636.00	0.79	154.70	635.93	-5.26	-5.26	4.37	0.18	663622.61	548642.72	N 32 49 27.43	W 104 10 29.95
	759.00	0.48	164.46	758.92	-6.53	-6.53	4.87	0.27	663621.35	548643.22	N 32 49 27.42	W 104 10 29.94
	882.00	0.40	174.21	881.92	-7.45	-7.45	5.05	0.09	663620.42	548643.40	N 32 49 27.41	W 104 10 29.94
	1002.00	0.40	176.07	1001.91	-8.29	-8.29	5.11	0.01	663619.59	548643.47	N 32 49 27.40	W 104 10 29.94
	1126.00	0.31	91.73	1125.91	-8.73	-8.73	5.48	0.39	663619.15	548643.83	N 32 49 27.39	W 104 10 29.94
	1250.00	0.22	6.79	1249.91	-8.50	-8.50	5.84	0.29	663619.37	548644.19	N 32 49 27.40	W 104 10 29.93
	1401.00	1.00	6.79	1400.90	-6.91	-6.91	6.03	0.52	663620.87	548644.38	N 32 49 27.41	W 104 10 29.93
	1595.00	1.00	6.79	1594.87	-3.54	-3.54	6.43	0.00	663624.33	548644.78	N 32 49 27.44	W 104 10 29.92
	1768.00	0.40	228.31	1767.87	-2.45	-2.45	6.16	0.77	663625.43	548644.51	N 32 49 27.46	W 104 10 29.93
	1941.00	0.22	215.06	1940.86	-3.12	-3.12	5.52	0.11	663624.75	548643.87	N 32 49 27.45	W 104 10 29.94
	2114.00	0.40	208.44	2113.86	-3.92	-3.92	5.04	0.11	663623.95	548643.39	N 32 49 27.44	W 104 10 29.94
	2241.00	0.31	201.81	2240.86	-4.63	-4.63	4.70	0.09	663623.24	548643.05	N 32 49 27.43	W 104 10 29.95
	2371.00	0.22	203.17	2370.86	-5.19	-5.19	4.47	0.07	663622.69	548642.82	N 32 49 27.43	W 104 10 29.95
	2571.00	0.22	280.00	2570.86	-5.47	-5.47	3.94	0.14	663622.40	548642.30	N 32 49 27.43	W 104 10 29.95
	2744.00	0.31	168.79	2743.85	-5.87	-5.87	3.70	0.25	663622.00	548642.06	N 32 49 27.42	W 104 10 29.96
	2805.00	0.48	57.58	2804.85	-5.90	-5.90	3.95	1.08	663621.97	548642.31	N 32 49 27.42	W 104 10 29.95
	2936.00	0.31	74.50	2935.85	-5.51	-5.51	4.76	0.16	663622.36	548643.11	N 32 49 27.43	W 104 10 29.94
	3136.00	0.31	57.27	3135.85	-5.07	-5.07	5.73	0.05	663622.80	548644.09	N 32 49 27.43	W 104 10 29.93
	3327.00	0.40	48.31	3326.84	-4.35	-4.35	6.67	0.06	663623.52	548645.02	N 32 49 27.44	W 104 10 29.92
	3527.00	0.48	55.78	3526.84	-3.42	-3.42	7.88	0.05	663624.46	548846.23	N 32 49 27.45	W 104 10 29.91
	3727.00	0.22	9.90	3726.83	-2.57	-2.57	8.54	0.18	663625.31	548646.99	N 32 49 27.45	W 104 10 29.90
	3927.00	0.22	294.49	3926.83	-2.03	-2.03	8.35	0.13	663625.84	548646.71	N 32 49 27.46	W 104 10 29.90
	4100.00	0.48	314.09	4099.83	-1.39	-1.39	7.53	0.16	663626.49	548645.89	N 32 49 27.47	W 104 10 29.91
	4272.00	0.70	303.81	4271.82	-0.30	-0.30	6.14	0.14	663627.57	548644.50	N 32 49 27.48	W 104 10 29.93
	4445.00	0.48	297.61	4444.81	0.62	0.62	4.62	0.13	663628.50	548642.98	N 32 49 27.49	W 104 10 29.95
End MWD Surveys	4620.00	0.48	294.97	4619.81	1.27	1.27	3.31	0.01	663629.14	548641.65	N 32 49 27.49	W 104 10 29.95

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 (Hz)	Survey Tool Type	Borehole / Survey
	0.00	14.000	Act Sins	SLB_MWD-STD Depth Only	Original Hole / PIGLET 21 FED 13 MWD 0' to 4620'
	14.000	14.000	Act Sins	SLB_MWD-STD-Depth Only	Original Hole / PIGLET 21 FED 13 MWD 0' to 4620'
	14.000	4620.000	Act Sins	SLB_MWD-STD	Original Hole / PIGLET 21 FED 13 MWD 0' to 4620'