

Schlumberger

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

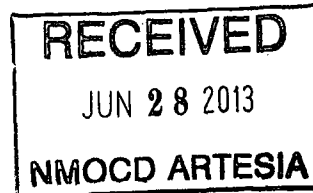
Phone: (817) 717-1820

Fax: (817) 546-7551

30-015-40948

March 29, 2013

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



Attention: Anthony Tschacher

Re:

CLIENT: OXY Permian
WELL: PIGLET 21 FED 10
FIELD: YESO
RIG: SAVANNA 415
COUNTY: Eddy
API NO: 30-015-40948
JOB NO: NM-OXY-0053

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>
Tim Daws FST-1	PIGLET 21 FED 10 Original Hole	188.00 Ft to 4799.00 Ft	March 18, 2013 to March 25, 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,

Mike Johns
Field Service Manager

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

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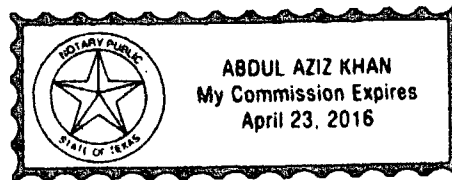
I, Tim Daws certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of March 18, 2013 through March 25, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 188.00 feet to a depth of 4799.00 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 Permain for the PIGLET 21 FED 10 Well (Original Hole) API No. 30-015-40948 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.



Tim Daws
FST-1

Before me, Abdul A Khan, on this day personally appeared Timothy Daws, 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 29 day of March, 2013 (year).


Notary Public

PIGLET 21 FED 10 MWD 0' to 4799' Survey Report

(Non-Def Survey)

Report Date: March 25, 2013 - 08 14 PM
 Client: NM, Eddy (NAD27) 2011
 Field: OXY (PIGLET 21 FED 10) SAVANNA 415 / PIGLET 21 FED 10
 Structure / Slot: PIGLET 21 FED 10
 Well: Original Hole
 Borehole: Unknown / 30-015-40948
 UWI / API#: PIGLET 21 FED 10 MWD 0' to 4799'
 Survey Name: March 25, 2013
 Survey Date: 18 167' / 73.560 ft / 3.075 / 0.015
 Tort / AHD / DDI / ERD Ratio: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Coordinate Reference System: N 32° 49' 27.48000", W 104° 10' 30.00000"
 Location Lat / Long: N 663627.872 RUS, E 548638.356 ftUS
 Location Grid N/E Y/X:
 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: 3830.000 ft above MSL
 Seabed / Ground Elevation: 3816.000 ft above MSL
 Magnetic Declination: 7.879 °
 Total Field Strength: 48703.778 nT
 Magnetic Dip Angle: 60.555 °
 Declination Date: March 25, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.086 °
 Total Corr Mag North->Grid North: 7.793 °
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim 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	663627.87	548638.36	N 32 49 27.48	W 104 10 30.00
Begin MWD Surveys	188.00	2.81	210.78	187.92	-3.96	-3.96	-2.38	1.49	663623.91	548638.00	N 32 49 27.44	W 104 10 30.03
	258.00	2.90	204.81	257.84	-7.04	-7.04	-3.98	0.44	663620.83	548634.38	N 32 49 27.41	W 104 10 30.05
	407.00	3.38	205.91	408.61	-14.41	-14.41	-7.48	0.32	663613.46	548630.88	N 32 49 27.34	W 104 10 30.09
	521.00	2.90	207.31	520.44	-20.00	-20.00	-10.27	0.43	663607.88	548628.08	N 32 49 27.28	W 104 10 30.12
	672.00	2.29	208.89	671.29	-26.03	-26.03	-13.48	0.41	663601.84	548624.87	N 32 49 27.22	W 104 10 30.16
	828.00	1.49	213.68	825.20	-30.39	-30.39	-16.06	0.53	663597.48	548622.28	N 32 49 27.18	W 104 10 30.19
	978.00	1.19	234.82	977.18	-32.95	-32.95	-18.47	0.38	663594.93	548619.89	N 32 49 27.15	W 104 10 30.22
	1153.00	1.19	194.00	1152.13	-35.76	-35.76	-20.39	0.47	663592.12	548617.97	N 32 49 27.13	W 104 10 30.24
	1328.00	0.88	216.10	1325.10	-38.57	-38.57	-21.61	0.29	663589.30	548616.75	N 32 49 27.10	W 104 10 30.25
	1468.00	0.79	281.49	1467.09	-39.26	-39.26	-23.21	0.64	663588.61	548615.15	N 32 49 27.09	W 104 10 30.27
	1627.00	0.68	227.39	1626.07	-39.67	-39.67	-25.18	0.48	663586.01	548613.18	N 32 49 27.09	W 104 10 30.30
	1714.00	0.88	226.60	1713.06	-40.76	-40.76	-26.16	0.01	663587.10	548612.20	N 32 49 27.08	W 104 10 30.31
	1888.00	0.76	232.58	1887.04	-42.43	-42.43	-28.08	0.07	663585.45	548610.28	N 32 49 27.06	W 104 10 30.33
	1945.00	0.79	301.31	1944.04	-42.46	-42.46	-28.73	1.56	663585.41	548609.83	N 32 49 27.06	W 104 10 30.34
	2106.00	0.88	266.11	2105.02	-41.97	-41.97	-30.91	0.32	663585.91	548607.45	N 32 49 27.07	W 104 10 30.38
	2159.00	0.79	302.41	2158.02	-41.80	-41.80	-31.63	0.99	663586.07	548606.73	N 32 49 27.07	W 104 10 30.37
	2239.00	0.79	271.91	2238.01	-41.49	-41.49	-32.84	0.52	663586.39	548605.72	N 32 49 27.07	W 104 10 30.38
	2405.00	0.70	298.10	2404.00	-40.97	-40.97	-34.68	0.21	663586.90	548603.68	N 32 49 27.08	W 104 10 30.41
	2579.00	0.62	288.39	2577.99	-40.17	-40.17	-36.51	0.08	663587.70	548601.85	N 32 49 27.08	W 104 10 30.43
	2751.00	0.40	301.31	2749.98	-39.57	-39.57	-37.91	0.14	663588.31	548600.45	N 32 49 27.09	W 104 10 30.44
	2852.00	0.40	302.41	2850.98	-39.20	-39.20	-38.51	0.01	663588.68	548599.85	N 32 49 27.09	W 104 10 30.45
	2955.00	0.48	287.29	2953.97	-38.67	-38.67	-39.22	0.14	663589.00	548599.14	N 32 49 27.10	W 104 10 30.46
	3154.00	0.40	240.09	3152.97	-38.97	-38.97	-40.62	0.18	663588.90	548597.74	N 32 49 27.09	W 104 10 30.48
	3270.00	0.31	295.82	3268.97	-39.04	-39.04	-41.25	0.29	663588.84	548597.11	N 32 49 27.09	W 104 10 30.48
	3467.00	0.22	285.31	3465.96	-38.71	-38.71	-42.10	0.05	663589.17	548596.26	N 32 49 27.10	W 104 10 30.49
	3698.00	0.22	258.60	3694.96	-38.68	-38.68	-42.84	0.05	663589.19	548595.52	N 32 49 27.10	W 104 10 30.50
	3747.00	0.22	288.70	3745.86	-38.66	-38.66	-43.14	0.14	663589.21	548595.22	N 32 49 27.10	W 104 10 30.51
	3918.00	0.09	290.81	3916.96	-38.51	-38.51	-43.56	0.08	663589.37	548594.78	N 32 49 27.10	W 104 10 30.51
	4192.00	0.09	248.18	4190.96	-38.51	-38.51	-43.98	0.02	663589.36	548594.38	N 32 49 27.10	W 104 10 30.52
	4322.00	0.40	231.48	4320.96	-38.83	-38.83	-44.43	0.24	663589.04	548593.93	N 32 49 27.10	W 104 10 30.52
	4456.00	0.31	281.01	4454.96	-39.06	-39.06	-45.15	0.23	663588.82	548593.21	N 32 49 27.09	W 104 10 30.53
	4585.00	0.53	6.80	4583.95	-38.40	-38.40	-45.42	0.46	663589.48	548592.94	N 32 49 27.10	W 104 10 30.53
	4752.00	0.88	248.31	4750.95	-38.10	-38.10	-46.52	0.73	663589.77	548591.84	N 32 49 27.10	W 104 10 30.55
	4799.00	0.88	244.80	4797.94	-38.39	-38.39	-47.18	0.11	663589.49	548591.18	N 32 49 27.10	W 104 10 30.55

Survey Type: Non-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	14.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / PIGLET 21 FED 10 MWD 0' to 4799'
14.000	14.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / PIGLET 21 FED 10 MWD 0' to 4799'
14.000	4799.000	4799.000	Act Stns	SLB_MWD-STD	Original Hole / PIGLET 21 FED 10 MWD 0' to 4799'