

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

May 27, 2013

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046

Attention: Anthony Tschacher

Re:

CLIENT: OXY Permian

WELL: TIGER 9 STATE #7

FIELD: YESO

RIG: SAVANNA 415

COUNTY: Eddy

API NO: 30-015-40938

JOB NO: NM-OXY-0069

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	TIGER 9 STATE #7 Original Hole	487.00 Ft to 5213.00 Ft	May 19, 2013 to May 27, 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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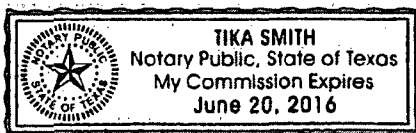
I, Tim Daws certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of May 19, 2013 through May 27, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 487.00 feet to a depth of 5213.00 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 TIGER 9 STATE #7 Well (Original Hole) API No. 30-015-40938 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, May 31st, 2013, on this day personally appeared Tim 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 31st day of May (year) 2013


Notary Public

TIGER 9 STATE #7 MWD 0' to 5213' Survey Report

(Def Survey)

Report Date: May 27, 2013 - 01:28 AM
 Client: Occidental
 Field: NM, Eddy Co (NAD27 EZ) 2012
 Structure / Slot: OXY PERMIN (TIGER 9 STATE #7) SAVANNA 415 / TIGER 9 STATE #7
 Well: TIGER 9 STATE #7
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-40638
 Survey Name: TIGER 9 STATE #7 MWD 0' to 5213'
 Survey Date: May 27, 2013
 Tort / AHD / DDI / ERD Ratio: 12.254 * / 52.898 ft / 2.810 / 0.010
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 50' 52.44000", W 104° 4' 34.68000"
 Location Grid N/E Y/X: N 872273.282 NUS, E 578937.154 NUS
 CRS Grid Convergence Angle: 0.13941831 *
 Grid Scale Factor: 0.99991623

Survey / DLB 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: 3585.000 ft above Unknown
 Seabed / Ground Elevation: 3571.000 ft above Unknown
 Magnetic Declination: 7.850 *
 Total Field Strength: 48708.396 nT
 Magnetic Dip Angle: 60.589 *
 Declination Date: May 27, 2013
 Magnetic Declination Model: BCGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.139 *
 Total Corr Mag North->Grid North: 7.811 *
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLB (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	672273.28	578937.15	N 32 50 52.44	W 104 4 34.68
Begin MWD Surveys	487.00	1.10	35.01	488.97	3.83	3.83	2.88	0.23	672277.11	578939.84	N 32 50 52.48	W 104 4 34.65
	621.00	1.41	65.03	620.94	5.56	5.56	4.91	0.53	672278.06	578942.07	N 32 50 52.50	W 104 4 34.62
	802.00	1.19	74.21	801.69	7.03	7.03	8.74	0.17	672280.31	578945.89	N 32 50 52.51	W 104 4 34.58
	983.00	1.10	65.73	982.86	7.87	7.87	12.28	0.14	672280.95	578948.44	N 32 50 52.52	W 104 4 34.54
	1056.00	1.56	6.81	1055.84	8.72	8.72	13.10	2.39	672282.00	578950.25	N 32 50 52.53	W 104 4 34.53
	1143.00	0.79	71.00	1142.83	10.11	10.11	13.81	1.64	672283.39	578950.96	N 32 50 52.54	W 104 4 34.52
	1230.00	0.80	73.51	1229.82	10.48	10.48	14.06	0.04	672283.78	578952.11	N 32 50 52.54	W 104 4 34.50
	1404.00	0.40	113.22	1403.81	10.58	10.58	16.88	0.32	672283.68	578953.84	N 32 50 52.54	W 104 4 34.48
	1577.00	0.70	345.83	1576.80	11.37	11.37	16.88	0.57	672284.65	578954.13	N 32 50 52.55	W 104 4 34.48
	1821.00	0.70	357.39	1820.80	11.90	11.90	16.80	0.32	672285.18	578954.06	N 32 50 52.56	W 104 4 34.48
	1793.00	0.48	335.20	1792.79	13.60	13.60	16.55	0.18	672286.88	578953.71	N 32 50 52.57	W 104 4 34.49
	1960.00	0.70	328.19	1959.78	15.08	15.08	15.69	0.14	672288.38	578952.84	N 32 50 52.59	W 104 4 34.50
	2133.00	0.48	311.52	2132.77	16.44	16.44	14.56	0.15	672289.72	578951.71	N 32 50 52.60	W 104 4 34.51
	2268.00	0.79	295.30	2267.77	17.21	17.21	13.30	0.26	672290.50	578950.45	N 32 50 52.61	W 104 4 34.52
	2398.00	0.79	300.71	2397.75	18.06	18.06	11.72	0.08	672291.34	578948.87	N 32 50 52.62	W 104 4 34.54
	2478.00	0.88	290.29	2477.74	18.55	18.55	10.87	0.22	672291.83	578947.82	N 32 50 52.62	W 104 4 34.55
	2651.00	0.79	274.03	2650.73	19.09	19.09	8.23	0.15	672292.38	578945.36	N 32 50 52.63	W 104 4 34.58
	2785.00	0.82	263.00	2784.72	19.07	19.07	6.59	0.16	672292.35	578943.74	N 32 50 52.63	W 104 4 34.60
	2980.00	0.40	242.13	2979.71	18.82	18.82	4.84	0.15	672291.81	578942.09	N 32 50 52.62	W 104 4 34.62
	3169.00	0.31	278.29	3168.70	18.39	18.39	3.65	0.13	672291.87	578941.00	N 32 50 52.62	W 104 4 34.63
	3360.00	0.48	319.81	3359.70	18.08	18.08	2.82	0.17	672292.36	578939.88	N 32 50 52.63	W 104 4 34.65
	3559.00	0.40	320.39	3558.69	20.25	20.25	1.84	0.04	672293.53	578938.00	N 32 50 52.64	W 104 4 34.66
	3688.00	0.40	270.44	3687.69	20.80	20.80	1.11	0.26	672293.88	578938.28	N 32 50 52.64	W 104 4 34.67
	3881.00	0.40	307.91	3880.69	20.98	20.98	0.03	0.15	672294.26	578937.18	N 32 50 52.65	W 104 4 34.68
	4034.00	0.40	308.31	4033.68	21.72	21.72	-0.92	0.00	672295.00	578938.23	N 32 50 52.65	W 104 4 34.69
	4207.00	0.48	317.89	4206.68	22.83	22.83	-1.88	0.08	672295.91	578935.27	N 32 50 52.68	W 104 4 34.70
	4380.00	0.70	330.32	4379.67	24.09	24.09	-2.69	0.15	672297.37	578934.26	N 32 50 52.68	W 104 4 34.71
	4515.00	0.40	359.81	4514.68	25.28	25.28	-3.30	0.30	672298.58	578933.85	N 32 50 52.69	W 104 4 34.72
	4707.00	0.09	40.89	4706.66	26.06	26.06	-3.21	0.18	672299.34	578933.95	N 32 50 52.70	W 104 4 34.72
	4905.00	0.22	336.70	4904.66	26.53	26.53	-3.25	0.10	672299.81	578933.80	N 32 50 52.70	W 104 4 34.72
	5080.00	0.22	357.70	5079.69	27.17	27.17	-3.40	0.05	672300.45	578933.75	N 32 50 52.71	W 104 4 34.72
End MWD Surveys	5213.00	0.40	339.90	5212.68	27.86	27.86	-3.57	0.15	672301.14	578933.58	N 32 50 52.72	W 104 4 34.72

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	14.000	1/14.000	SLB_BUND+TREND-Depth Only	Original Hole / TIGER 9 STATE #7 MWD 0' to 5213'
	14.000	450.000	1/98.425	SLB_BUND+TREND	Original Hole / TIGER 9 STATE #7 MWD 0' to 5213'
	450.000	450.000	Act Strs	SLB_BUND+TREND	Original Hole / TIGER 9 STATE #7 MWD 0' to 5213'
	450.000	5213.000	1/4763.000	SLB_MWD-STD	Original Hole / TIGER 9 STATE #7 MWD 0' to 5213'