

Schlumberger

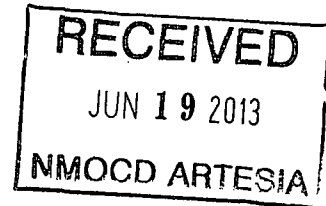
Reservoir Development

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

30-015-40937

April 5, 2013

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



Attention: Anthony T Tschacher

Re:

CLIENT: Occidental
WELL: Tigger 9 State 6
FIELD: Yeso
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-40937
JOB NO: NM-OXY-0054

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>
Landis Taylor FST1	Tigger 9 State 6 Original Hole	0' to 5180'	March 30, 2013 to April 4, 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: Occidental
Enclosures: [2]
County of Eddy
State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)

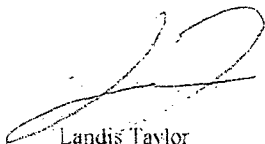
6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

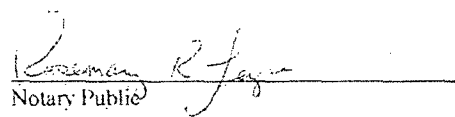
I, Landis Taylor certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of March 30, 2013 through April 04, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 0'00 feet to a depth of 5180'00 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 for the Tigger 9 State 6 Well (Original Hole) API No. 30-045-40937 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.



Landis Taylor
FST1

Before me, Rosemary R. Levva, on this day personally appeared Landis Taylor, 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 5th day of April, 2013 (year).


Notary Public

OFFICIAL SEAL
ROSEMARY R. LEVVA
NOTARY PUBLIC STATE OF NEW MEXICO

My commission expires 4-5-13

TIGGER 9 STATE 6 MWD 0' to 5180''' Survey Report

(Def Survey)

Report Date: April 17, 2013 : 02:46 PM
 Client: OXY
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY (TIGGER 9 STATE 6) Savanna 415 / TIGGER 9 STATE 6
 Well: TIGGER 9 STATE 6
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-40937
 Survey Name: TIGGER 9 STATE 6 MWD 0' to 5180'''
 Survey Date: April 04, 2013
 Tori / AHD / DDI / ERD Ratio: 6.847' / 50.817 ft / 2.542 / 0.010
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 50' 49.20000", W 104° 4' 44.40000"
 Location Grid N/E Y/X: N 671943.849 NUS, E 578108.747 NUS
 CRS Grid Convergence Angle: 0.13795043 °
 Grid Scale Factor: 0.99991608

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: 3592.000 ft above MSL
 Seabed / Ground Elevation: -3578.000 ft above MSL
 Magnetic Declination: 7.982 °
 Total Field Strength: 48726.128 nT
 Magnetic Dip Angle: 60.593 °
 Declination Date: April 04, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.137 °
 Total Corr Mag North->Grid North: 7.845 °
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (NUS)	Easting (NUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	671943.85	578108.75	N 32 50 49.20	W 104 4 44.40
Assumed Vertical	545.00	0.00	0.00	545.00	0.00	0.00	0.00	0.00	671943.85	578108.75	N 32 50 49.20	W 104 4 44.40
Begin MWD Surveys	679.00	1.01	66.71	678.99	0.47	0.47	1.08	0.75	671944.32	578109.83	N 32 50 49.20	W 104 4 44.39
	891.00	1.01	60.73	890.96	2.12	2.12	4.43	0.05	671945.97	578113.18	N 32 50 49.22	W 104 4 44.35
	1057.00	0.70	49.61	1056.94	3.49	3.49	6.48	0.21	671947.34	578115.23	N 32 50 49.23	W 104 4 44.32
	1226.00	0.40	38.63	1225.93	4.62	4.62	7.63	0.19	671948.47	578116.38	N 32 50 49.25	W 104 4 44.31
	1443.00	0.40	8.10	1442.93	5.96	5.96	8.21	0.10	671949.81	578116.96	N 32 50 49.26	W 104 4 44.30
	1658.00	0.48	358.11	1657.92	7.61	7.61	8.29	0.05	671951.45	578117.04	N 32 50 49.28	W 104 4 44.30
	1940.00	0.70	340.93	1939.91	10.41	10.41	7.69	0.10	671954.26	578116.43	N 32 50 49.30	W 104 4 44.31
	2179.00	0.40	311.92	2178.90	12.35	12.35	6.59	0.17	671956.20	578115.34	N 32 50 49.32	W 104 4 44.32
	2396.00	0.48	274.52	2395.89	12.93	12.93	5.12	0.13	671956.78	578113.87	N 32 50 49.33	W 104 4 44.34
	2610.00	0.48	265.74	2609.88	12.93	12.93	3.33	0.03	671956.78	578112.08	N 32 50 49.33	W 104 4 44.36
	2783.00	0.48	268.81	2782.88	12.86	12.86	1.89	0.01	671956.71	578110.63	N 32 50 49.33	W 104 4 44.38
	2957.00	0.40	288.24	2956.87	13.04	13.04	0.58	0.10	671956.89	578109.33	N 32 50 49.33	W 104 4 44.39
	3172.00	0.48	278.13	3171.87	13.40	13.40	-1.02	0.05	671957.25	578107.72	N 32 50 49.33	W 104 4 44.41
	3345.00	0.31	256.90	3344.86	13.40	13.40	-2.20	0.13	671957.25	578106.55	N 32 50 49.33	W 104 4 44.43
	3517.00	0.22	204.30	3516.86	12.99	12.99	-2.79	0.14	671956.84	578105.96	N 32 50 49.33	W 104 4 44.43
	3691.00	0.48	235.81	3690.86	12.28	12.28	-3.53	0.18	671956.13	578105.22	N 32 50 49.32	W 104 4 44.44
	3952.00	0.70	232.20	3951.84	10.69	10.69	-5.69	0.08	671954.53	578103.06	N 32 50 49.31	W 104 4 44.47
	4166.00	1.32	225.31	4165.81	8.15	8.15	-8.48	0.29	671952.00	578100.27	N 32 50 49.28	W 104 4 44.50
	4341.00	1.10	217.22	4340.77	5.40	5.40	-10.93	0.16	671949.24	578097.62	N 32 50 49.25	W 104 4 44.53
	4384.00	1.01	224.91	4383.76	4.80	4.80	-11.44	0.39	671948.65	578097.31	N 32 50 49.25	W 104 4 44.53
	4598.00	0.88	249.61	4597.73	2.89	2.89	-14.31	0.20	671948.74	578094.43	N 32 50 49.23	W 104 4 44.57
	4684.00	0.88	239.72	4683.72	2.33	2.33	-15.30	0.18	671946.18	578093.24	N 32 50 49.22	W 104 4 44.58
	4814.00	0.70	236.34	4813.71	1.38	1.38	-17.03	0.14	671945.23	578091.72	N 32 50 49.21	W 104 4 44.60
	4903.00	0.88	243.32	4902.70	0.78	0.78	-18.09	0.23	671944.63	578090.66	N 32 50 49.21	W 104 4 44.61
	4946.00	0.79	238.40	4945.70	0.47	0.47	-18.64	0.27	671944.32	578090.11	N 32 50 49.21	W 104 4 44.62
	5074.00	0.88	237.74	5073.68	-0.51	-0.51	-20.22	0.07	671943.33	578088.53	N 32 50 49.20	W 104 4 44.64
End MWD Surveys	5180.00	0.79	245.04	5179.67	-1.26	-1.26	-21.57	0.13	671942.59	578087.18	N 32 50 49.19	W 104 4 44.65

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_BLIND+TREND-Depth Only	Original Hole / TIGGER 9 STATE 6 MWD 0' to 5180'''
	14.000	545.000	1/98.425	SLB_BLIND+TREND	Original Hole / TIGGER 9 STATE 6 MWD 0' to 5180'''
	545.000	545.000	Act Stms	SLB_BLIND+TREND	Original Hole / TIGGER 9 STATE 6 MWD 0' to 5180'''
	545.000	5180.000	1/4635.000	SLB_MWD-STD	Original Hole / TIGGER 9 STATE 6 MWD 0' to 5180'''