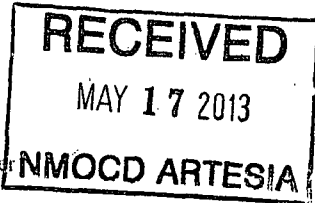


Reservoir Development
Drilling & Measurements (Extreme Engineering)
6724 Corporation Pkwy Suite 100
Fort Worth, TX 76126
Phone: (817) 717-1820
Fax: (817) 546-7551

February 13, 2013

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



Attention: Anthony T Tschachler

Re:

CLIENT: Oxy
WELL: Chris Robbins 20 Fed #9
FIELD: Yeso
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-40674
JOB NO: NM-OXY-0041

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>
Michael Putnam FST	Chris Robbins 20 Fed #9 Original Hole	0.00 Ft to 4819.00 Ft	February 7, 2013 to February 13, 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,

A handwritten signature in black ink, appearing to read "Mike Johns".

Mike Johns
Field Service Manager

CC: Oxy
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, Michael Putnam certify that: I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of February 07, 2013 through February 13, 2013; conduct or supervise the taking of the SlimPulse surveys from a depth of 0.00 feet to a depth of 4819.00 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 for the Chris Robbins 20 Fed #9 Well (Original Hole) API No. 30-015-40674 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.

Michael Putnam
FST

Before me, Dana M. Rodriguez, on this day personally appeared Michael Putnam 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 13th day of Feb (year) 2013

Dana M. Rodriguez
Notary Public



OFFICIAL SEAL

Dana M. Rodriguez

NOTARY PUBLIC - STATE OF NEW MEXICO

My Commission Expires: 7/8/2015

Chris Robbins 20 Federal 9 MWD 0' to 4819' Survey Report

(Def Survey)

Report Date: February 13, 2013 - 10:21 AM
 Client: Oxy
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: Oxy (Chris Robbins 20 Federal #9) Savanna 415 / Chris Robbins 20 Federal 9
 Well: Chris Robbins 20 Federal 9
 Borehole: Original Hole
 UWI / API#: NM-OXY-0041 / 30-015-40674
 Survey Name: Chris Robbins 20 Federal 9 MWD 0' to 4819'
 Survey Date: February 13, 2013
 Tool / AHD / DDI / ERD Ratio: 10.620' / 69.599 ft / 2.869 / 0.014
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 27.84000", W 104° 11' 56.04000"
 Location Grid N/E Y/X: N 663654.085 RUS, E 541296.472 RUS
 CRS Grid Convergence Angle: 0.07287185°
 Grid Scale Factor: 0.99991104

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: 3650.000 ft above MSL
 Seabed / Ground Elevation: 3636.000 ft above MSL
 Magnetic Declination: 7.790°
 Total Field Strength: 48714.763 nT
 Magnetic Dip Angle: 60.554°
 Declination Date: February 13, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.079°
 Total Corr Mag North-Grid North: 7.711°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/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	663654.08	541296.47	N 32 49 27.84	W 104 11 56.04
Begin MWD Surveys	140.00	1.10	229.50	139.99	-0.87	-0.87	-1.02	0.79	663653.21	541295.45	N 32 49 27.83	W 104 11 56.05
	318.00	2.11	220.98	317.92	-4.46	-4.46	-4.47	0.58	663649.63	541292.00	N 32 49 27.80	W 104 11 56.09
	459.00	2.20	220.97	458.82	-8.46	-8.46	-7.95	0.06	663645.63	541288.53	N 32 49 27.76	W 104 11 56.13
	593.00	0.60	276.10	592.78	-10.33	-10.33	-10.33	1.43	663643.76	541286.14	N 32 49 27.74	W 104 11 56.16
	778.00	0.50	250.50	775.77	-10.49	-10.49	-12.04	0.14	663643.59	541284.44	N 32 49 27.74	W 104 11 56.18
	960.00	0.40	288.30	959.77	-10.46	-10.46	-13.36	0.20	663643.63	541283.11	N 32 49 27.74	W 104 11 56.20
	1107.00	0.40	293.70	1106.76	-10.01	-10.01	-14.28	0.02	663644.06	541282.19	N 32 49 27.74	W 104 11 56.21
	1280.00	0.48	234.50	1279.76	-10.18	-10.18	-15.42	0.25	663643.90	541281.05	N 32 49 27.74	W 104 11 56.22
	1450.00	0.40	251.69	1449.75	-10.78	-10.78	-16.57	0.09	663643.30	541279.91	N 32 49 27.73	W 104 11 56.23
	1624.00	0.31	300.91	1623.75	-10.73	-10.73	-17.55	0.18	663643.35	541278.93	N 32 49 27.73	W 104 11 56.25
	1798.00	0.62	294.18	1797.74	-10.11	-10.11	-18.81	0.18	663643.88	541277.66	N 32 49 27.74	W 104 11 56.26
	1970.00	0.48	258.87	1969.74	-9.89	-9.89	-20.36	0.22	663644.20	541276.11	N 32 49 27.74	W 104 11 56.28
	2145.00	0.62	306.09	2144.73	-9.50	-9.50	-21.84	0.27	663644.59	541274.63	N 32 49 27.75	W 104 11 56.30
	2319.00	0.62	323.58	2318.72	-8.18	-8.18	-23.16	0.11	663645.90	541273.32	N 32 49 27.76	W 104 11 56.31
	2486.00	0.70	344.59	2485.71	-6.47	-6.47	-23.97	0.15	663647.61	541272.51	N 32 49 27.78	W 104 11 56.32
	2658.00	0.88	318.09	2657.69	-4.48	-4.48	-25.13	0.23	663649.61	541271.35	N 32 49 27.80	W 104 11 56.33
	2832.00	0.79	306.79	2831.67	-2.77	-2.77	-26.98	0.11	663651.32	541269.49	N 32 49 27.81	W 104 11 56.36
	2961.00	0.70	312.29	2960.66	-1.70	-1.70	-28.28	0.09	663652.38	541268.20	N 32 49 27.82	W 104 11 56.37
	3136.00	0.79	300.77	3135.65	-0.37	-0.37	-30.10	0.10	663653.72	541266.37	N 32 49 27.84	W 104 11 56.39
	3307.00	0.79	284.07	3306.63	0.52	0.52	-32.26	0.13	663654.61	541264.21	N 32 49 27.85	W 104 11 56.42
	3481.00	0.62	283.11	3480.62	1.03	1.03	-34.34	0.10	663655.11	541262.13	N 32 49 27.85	W 104 11 56.44
	3654.00	1.01	289.61	3653.60	1.75	1.75	-36.69	0.23	663655.84	541259.79	N 32 49 27.86	W 104 11 56.47
	3828.00	1.19	309.08	3827.57	3.41	3.41	-39.54	0.24	663657.49	541256.94	N 32 49 27.87	W 104 11 56.50
	4003.00	1.10	303.98	4002.54	5.49	5.49	-42.34	0.08	663659.58	541254.14	N 32 49 27.89	W 104 11 56.54
	4172.00	0.88	297.48	4171.51	7.00	7.00	-44.84	0.15	663661.08	541251.84	N 32 49 27.91	W 104 11 56.57
	4347.00	0.88	293.61	4346.49	8.15	8.15	-47.26	0.03	663662.24	541249.22	N 32 49 27.92	W 104 11 56.59
	4520.00	1.32	294.18	4519.46	9.50	9.50	-50.29	0.25	663663.59	541246.18	N 32 49 27.93	W 104 11 56.63
	4691.00	1.41	295.28	4690.41	11.21	11.21	-53.99	0.05	663665.29	541242.48	N 32 49 27.95	W 104 11 56.67
End MWD Surveys	4819.00	1.58	301.17	4818.37	12.79	12.79	-56.93	0.18	663666.88	541239.55	N 32 49 27.97	W 104 11 56.71

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	Act Sins	SLB_MWD-STD-Depth Only	Original Hole / Chris Robbins 20 Federal 9 MWD 0' to 4819'
	14.000	14.000	Act Sins	SLB_MWD-STD-Depth Only	Original Hole / Chris Robbins 20 Federal 9 MWD 0' to 4819'
	14.000	4819.000	Act Sins	SLB_MWD-STD	Original Hole / Chris Robbins 20 Federal 9 MWD 0' to 4819'