

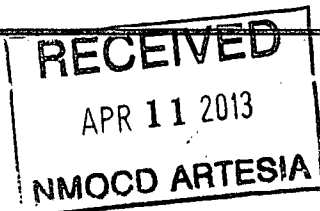
Schlumberger

Reservoir Development

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

November 20, 2012

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



Attention: Anthony T Tschacher

Re:

CLIENT: Occidental Permian Ltd
WELL: Chris Robin 20 Fed 6
FIELD: Permian Basin
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-40672
JOB NO: NM-OXY-0021

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>
John McDonough FST-2	Chris Robin 20 Fed 6 Original Hole	90.00 Ft to 4805.00 Ft	November 6, 2012 to November 11, 2012	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or unit 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 Permian Ltd
Enclosures: [2]
County of Eddy
State of New Mexico

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APR 11 2013

NMOCD ARTESIA

Schlumberger

I, John McDonough certify that, I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of November 06, 2012 through November 11, 2012, conduct or supervise the taking of the SlimPulse surveys from a depth of 90.00 feet to a depth of 4805.00 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 Chris Robin 20 Fed 6 Well (Original Hole) API No. 30-015-40672 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.

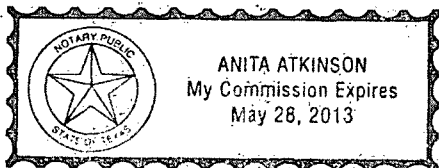


John McDonough
FST-2

Before me, Anita Atkinson, on this day personally appeared John McDonough 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 20th day of Nov. 2012 (year).



Notary Public

CHRIS ROBIN 20 FED 6 MWD 0' to 4805' Survey Report

(Def Survey)

Report Date: November 11, 2012 - 10:02 PM
 Client: Oxy
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: Oxy (CHRIS ROBIN 20 FED 6) SAVANNA 415 / CHRIS ROBIN 20 FED 6
 Well: CHRIS ROBIN 20 FED 6
 Borehole: Original Hole
 UWI / API#: Unknown / 1163431/30-015-40672
 Survey Name: CHRIS ROBIN 20 FED 6 MWD 0' to 4805'
 Survey Date: November 11, 2012
 Tort / AHD / DDI / ERD Ratio: 7.394' / 75.747' ft / 2.748' / 0.016
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 18.12000", W 104° 11' 26.16000"
 Location Grid N/E Y/X: N 662675.155 (NUS), E 543847.471 (NUS)
 CRS Grid Convergence Angle: 0.07736537°
 Grid Scale Factor: 0.99991129

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: 3633.000 ft above MSL
 Seabed / Ground Elevation: 3619.000 ft above MSL
 Magnetic Declination: 7.900°
 Total Field Strength: 48748.887 nT
 Magnetic Dip Angle: 60.548°
 Declination Date: November 11, 2012
 Magnetic Declination Model: BOGM 2011
 North Reference: Grid North
 Grid Convergence Used: 0.077°
 Total Corr Mag North->Grid North: 7.823°
 Local Coord Referenced To: Well Head

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 ° ° °)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	662675.15	543847.47	N 32 49 18.12	W 104 11 26.16
Begin MWD Surveys	90.00	0.40	113.11	90.00	-0.12	-0.12	0.29	0.44	662675.03	543847.76	N 32 49 18.12	W 104 11 26.16
	262.00	0.70	154.24	261.89	-1.31	-1.31	1.30	0.28	662673.85	543848.77	N 32 49 18.11	W 104 11 26.14
	402.00	1.19	185.53	401.97	-3.52	-3.52	1.53	0.50	662671.63	543849.00	N 32 49 18.09	W 104 11 26.14
	563.00	0.70	197.53	562.95	-6.45	-6.45	1.02	0.29	662668.71	543848.49	N 32 49 18.06	W 104 11 26.15
	737.00	0.70	207.82	736.94	-8.18	-8.18	0.29	0.08	662666.68	543847.76	N 32 49 18.04	W 104 11 26.16
	923.00	0.62	238.23	922.92	-9.71	-9.71	-1.09	0.19	662665.44	543846.38	N 32 49 18.02	W 104 11 26.17
	1120.00	0.70	252.51	1119.91	-10.63	-10.63	-3.15	0.09	662664.52	543844.32	N 32 49 18.01	W 104 11 26.34
	1294.00	-0.70	248.82	1293.90	-11.34	-11.34	-5.15	0.03	662663.82	543842.32	N 32 49 18.01	W 104 11 26.22
	1478.00	0.79	262.22	1478.88	-11.92	-11.92	-7.47	0.11	662663.24	543840.00	N 32 49 18.00	W 104 11 26.25
	1653.00	1.01	273.73	1652.89	-11.88	-11.88	-10.19	0.16	662663.17	543837.28	N 32 49 18.00	W 104 11 26.28
	1781.00	1.19	271.14	1780.84	-11.88	-11.88	-12.64	0.15	662663.27	543834.63	N 32 49 18.00	W 104 11 26.31
	1911.00	1.32	273.82	1910.81	-11.75	-11.75	-15.49	0.11	662663.40	543831.99	N 32 49 18.00	W 104 11 26.34
	1954.00	1.41	273.03	1953.90	-11.69	-11.69	-18.51	0.21	662663.48	543830.99	N 32 49 18.00	W 104 11 26.35
	2126.00	1.19	273.03	2125.75	-11.49	-11.49	-20.41	0.13	662663.67	543827.07	N 32 49 18.01	W 104 11 26.40
	2298.00	1.19	264.02	2297.71	-11.58	-11.58	-23.97	0.11	662663.58	543823.51	N 32 49 18.01	W 104 11 26.44
	2419.00	1.32	275.82	2418.68	-11.57	-11.57	-26.60	0.24	662663.58	543820.67	N 32 49 18.01	W 104 11 26.47
	2590.00	1.32	267.29	2589.64	-11.48	-11.48	-30.53	0.11	662663.58	543816.94	N 32 49 18.01	W 104 11 26.52
	2764.00	1.19	264.90	2763.60	-11.73	-11.73	-34.33	0.08	662663.42	543813.14	N 32 49 18.00	W 104 11 26.56
	2903.00	1.10	256.90	2902.57	-12.16	-12.16	-37.07	0.13	662662.99	543810.41	N 32 49 18.00	W 104 11 26.59
	3077.00	1.19	241.92	3076.54	-13.39	-13.39	-40.29	0.18	662661.76	543807.19	N 32 49 17.99	W 104 11 26.63
	3251.00	1.01	230.32	3250.50	-15.22	-15.22	-43.06	0.16	662659.93	543804.41	N 32 49 17.97	W 104 11 26.66
	3423.00	1.01	233.22	3422.48	-17.10	-17.10	-45.44	0.03	662658.06	543802.03	N 32 49 17.96	W 104 11 26.69
	3595.00	0.79	216.82	3594.48	-18.96	-18.96	-47.37	0.20	662656.20	543800.11	N 32 49 17.93	W 104 11 26.72
	3768.00	0.70	223.81	3767.44	-20.67	-20.67	-48.82	0.07	662654.48	543798.66	N 32 49 17.92	W 104 11 26.73
	3931.00	0.70	228.73	3930.43	-22.05	-22.05	-50.25	0.04	662653.11	543797.22	N 32 49 17.90	W 104 11 26.75
	4103.00	0.79	230.32	4102.41	-23.50	-23.50	-51.96	0.05	662651.66	543795.52	N 32 49 17.89	W 104 11 26.77
	4158.00	0.79	240.73	4157.41	-23.93	-23.93	-52.58	0.26	662651.23	543794.90	N 32 49 17.88	W 104 11 26.80
	4319.00	0.70	221.31	4318.40	-25.21	-25.21	-54.20	0.17	662649.95	543793.28	N 32 49 17.87	W 104 11 26.78
	4405.00	0.79	218.90	4404.39	-26.06	-26.06	-54.92	0.11	662649.10	543792.55	N 32 49 17.86	W 104 11 26.80
	4547.00	0.79	247.10	4546.38	-27.19	-27.19	-56.45	0.26	662647.97	543791.02	N 32 49 17.85	W 104 11 26.82
	4623.00	0.70	237.83	4622.37	-27.64	-27.64	-57.33	0.20	662647.52	543790.15	N 32 49 17.85	W 104 11 26.83
	4762.00	0.79	234.23	4761.36	-28.65	-28.65	-58.82	0.07	662646.51	543788.65	N 32 49 17.84	W 104 11 26.85
End MWD Surveys	4805.00	0.70	235.24	4804.35	-28.97	-28.97	-59.28	0.21	662646.18	543788.20	N 32 49 17.83	W 104 11 26.86

Survey Type: Def Survey

Survey Error Model: ISOWSA 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 Stns	SLB_MWD-STD-Depth Only	Original Hole / CHRIS ROBIN 20 FED 6 MWD 0' to 4805'
	14.000	14.000	Act Stns	SLB_MWD-STD-Depth Only	Original Hole / CHRIS ROBIN 20 FED 6 MWD 0' to 4805'
	14.000	4805.000	Act Stns	SLB_MWD-STD	Original Hole / CHRIS ROBIN 20 FED 6 MWD 0' to 4805'