

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

May 10, 2013

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046

Attention: Luis Tarazona

Re:

CLIENT: Occidental Permian Ltd

WELL: Chris Robin 20 Fed 12

FIELD: Artesian Lorette

RIG: Savann 415

COUNTY: EDDY

API NO: 30-015-40675

JOB NO: NM-OXY-0049

40676

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>
Nick Banschbach	Chris Robin 20 Fed 12	80.00 Ft to	March 12, 2013 to	SlimPulse
	0 Original Hole	4784.00 Ft	March 17, 2013	

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,

Sean Ruddy

Field Service Manager

CC: Occidental Permian Ltd

Enclosures: [2]

County of EDDY

State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)

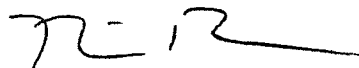
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Fort Worth, TX 76126

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Fax: (817) 546-7551

I, Nick Banschbach 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 12, 2013 through March 17, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 80.00 feet to a depth of 4784.00 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 12 Well (Original Hole) API No. 30-015-40675 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.

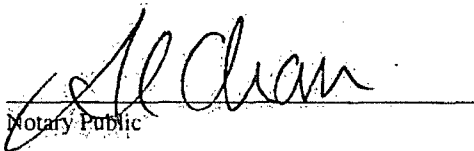


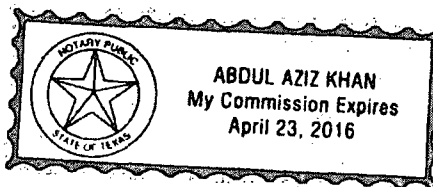
Nick Banschbach

0

Before me, Abdul Khan, on this day personally appeared Nick Banschbach, 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 10 day of May 2013 (year).


Notary Public



CHRIS ROBIN 20 FED 12 MWD 0' to 4784' Survey Report

(Def Survey)

Report Date: May 10, 2013 - 09:58 AM
 Client: OXY
 Field: NM, Eddy (NAD27) 2011
 Structure / Slot: OXY (CHRIS ROBIN 20 FED 12) SAVANNA 415 / CHRIS ROBIN 20 FED 12
 Well: CHRIS ROBIN 20 FED 12
 Borehole: Original Hole
 UWI / API#: NM-OXY-0049 / 30-015-40675
 Survey Name: CHRIS ROBIN 20 FED 12 MWD 0' to 4784'
 Survey Date: March 17, 2013
 Tort / AHD / DDI / ERO Ratio: 13.498 * / 39.992 ft / 2.732 / 0.008
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 49' 16.99300", W 104° 12' 15.88700"
 Location Grid N/E Y/X: N 662555.811 NUS, E 539604.256 NUS
 CRS Grid Convergence Angle: 0.06987770 *
 Grid Scale Factor: 0.99991089

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: 3630.000 ft above MSL
 Seabed / Ground Elevation: 3616.000 ft above MSL
 Magnetic Declination: 7.879 °
 Total Field Strength: 48701.164 nT
 Magnetic Dip Angle: 60.548 °
 Declination Date: March 17, 2013
 Magnetic Declination Model: BGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.086 °
 Total Corr Mag North->Grid North: 7.793 °
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	662555.81	539604.26	N 32 49 16.99 W 104 12 15.89	
First MWD Survey	80.00	0.09	183.18	80.00	-0.06	-0.06	0.00	0.11	662555.75	539604.25	N 32 49 16.99 W 104 12 15.89	
	235.00	0.88	209.41	234.99	-1.22	-1.22	-0.58	0.52	662554.59	539603.66	N 32 49 16.98 W 104 12 15.89	
	308.00	1.19	212.27	307.98	-2.35	-2.35	-1.27	0.43	662553.46	539602.98	N 32 49 16.97 W 104 12 15.90	
	463.00	0.88	311.50	462.97	-2.92	-2.92	-3.03	1.03	662552.89	539601.23	N 32 49 16.96 W 104 12 15.92	
	629.00	0.62	6.79	628.95	-1.19	-1.19	-3.87	0.44	662554.63	539600.38	N 32 49 16.96 W 104 12 15.93	
	820.00	0.40	210.98	819.95	-0.73	-0.73	-4.10	0.52	662555.08	539600.16	N 32 49 16.99 W 104 12 15.93	
	1007.00	0.48	183.00	1006.94	-2.07	-2.07	-4.47	0.12	662553.74	539599.78	N 32 49 16.97 W 104 12 15.94	
	1159.00	0.62	183.79	1158.94	-3.91	-3.91	-4.58	0.07	662551.90	539599.67	N 32 49 16.95 W 104 12 15.94	
	1243.00	0.62	191.31	1242.93	-4.38	-4.38	-4.65	0.18	662551.43	539599.61	N 32 49 16.95 W 104 12 15.94	
	1329.00	0.40	197.50	1328.93	-5.13	-5.13	-4.83	0.26	662550.69	539599.43	N 32 49 16.94 W 104 12 15.94	
	1460.00	0.40	243.29	1459.93	-5.77	-5.77	-5.37	0.24	662550.04	539598.88	N 32 49 16.94 W 104 12 15.95	
	1503.00	0.22	210.99	1502.93	-5.91	-5.91	-5.55	0.57	662549.91	539598.71	N 32 49 16.93 W 104 12 15.95	
	1633.00	0.22	205.59	1632.93	-6.35	-6.35	-5.79	0.02	662549.47	539598.47	N 32 49 16.93 W 104 12 15.95	
	1803.00	0.09	190.21	1802.92	-6.77	-6.77	-5.95	0.08	662549.04	539598.31	N 32 49 16.93 W 104 12 15.98	
	1976.00	0.22	191.31	1975.92	-7.23	-7.23	-6.04	0.08	662548.58	539598.22	N 32 49 16.92 W 104 12 15.96	
	2149.00	0.48	243.29	2148.92	-7.88	-7.88	-6.75	0.22	662547.93	539597.95	N 32 49 16.92 W 104 12 15.97	
	2324.00	0.31	209.28	2323.92	-8.62	-8.62	-7.64	0.16	662547.19	539596.82	N 32 49 16.91 W 104 12 15.98	
	2451.00	0.40	203.79	2450.91	-9.33	-9.33	-7.99	0.08	662546.48	539596.27	N 32 49 16.90 W 104 12 15.98	
	2626.00	0.40	112.60	2625.91	-10.12	-10.12	-7.67	0.33	662545.69	539596.59	N 32 49 16.89 W 104 12 15.98	
	2826.00	0.40	173.60	2825.91	-11.09	-11.09	-6.95	0.20	662544.73	539597.31	N 32 49 16.88 W 104 12 15.97	
	2958.00	0.82	8.79	2957.91	-10.83	-10.83	-6.81	0.77	662544.98	539597.45	N 32 49 16.89 W 104 12 15.97	
	3141.00	0.62	155.27	3140.90	-10.75	-10.75	-6.28	0.65	662545.05	539597.98	N 32 49 16.89 W 104 12 15.96	
	3315.00	0.62	167.88	3314.89	-12.53	-12.53	-5.69	0.08	662543.29	539598.57	N 32 49 16.87 W 104 12 15.95	
	3509.00	0.62	194.60	3508.88	-14.57	-14.57	-5.73	0.15	662541.24	539598.53	N 32 49 16.85 W 104 12 15.95	
	3620.00	0.62	195.70	3619.87	-15.73	-15.73	-6.05	0.01	662540.09	539598.21	N 32 49 16.84 W 104 12 15.96	
	3793.00	0.48	180.98	3792.87	-17.35	-17.35	-6.31	0.11	662538.46	539597.95	N 32 49 16.82 W 104 12 15.96	
	3963.00	0.70	220.88	3962.86	-18.85	-18.85	-7.00	0.27	662536.95	539597.25	N 32 49 16.81 W 104 12 15.97	
	4006.00	0.62	216.79	4005.85	-19.23	-19.23	-7.31	0.22	662536.58	539596.94	N 32 49 16.80 W 104 12 15.97	
	4138.00	0.70	216.71	4135.85	-20.43	-20.43	-8.21	0.06	662535.38	539596.05	N 32 49 16.79 W 104 12 15.98	
	4309.00	0.79	167.88	4308.83	-22.45	-22.45	-8.59	0.36	662533.37	539595.67	N 32 49 16.77 W 104 12 15.99	
	4502.00	0.79	251.07	4501.82	-24.18	-24.18	-9.57	0.54	662531.63	539594.69	N 32 49 16.75 W 104 12 16.00	
	4697.00	0.70	256.30	4696.80	-24.90	-24.90	-12.00	0.06	662530.91	539592.26	N 32 49 16.75 W 104 12 16.03	
	4784.00	0.40	216.79	4783.60	-25.27	-25.27	-12.70	0.54	662530.55	539591.56	N 32 49 16.74 W 104 12 16.04	
Final MWD Survey												

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 ROBIN 20 FED 12 MWD 0' to 4784'
	14.000	14.000	Act Sins	SLB_MWD-STD-Depth Only	Original Hole / CHRIS ROBIN 20 FED 12 MWD 0' to 4784'
	14.000	4784.000	Act Sins	SLB_MWD-STD	Original Hole / CHRIS ROBIN 20 FED 12 MWD 0' to 4784'