

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

30-015-39849

June 14, 2012

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



Attention: Luis Tarazona

Re:

CLIENT: Occidental Permian Ltd
WELL: Rogers 23 FEE #3
FIELD: Permian Basin
RIG: Savanna 415
COUNTY: Eddy
API NO: 30-015-39849
JOB NO: NM-OXY-0002

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>
Tracy Murphy Jr FST-2	Rogers 23 FEE #3 Original Hole	931.00 Ft to 3668.00 Ft	June 8, 2012 to June 12, 2012	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,

Joseph Osle
Field Service Manager

CC: Occidental Permian Ltd
Enclosures: [2]
County of Eddy
State of New Mexico

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I, Tracy Murphy Jr certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of June 08, 2012 through June 12, 2012, conduct or supervise the taking of the SlimPulse surveys from a depth of 931.00 feet to a depth of 3668.00 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 Rogers 23 FEE #3 Well (Original Hole) API No. 30-015-39849 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.

Tracy Murphy Jr.
Tracy Murphy Jr
FST-2

Before me, Dany Schluckwerdt, on this day personally appeared Tracy Murphy Jr, 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 14th day of June, (year). 2012

Dany Schluckwerdt
Notary Public

Rogers 23 FEE #3 MWD 931' to 3668' Survey Report

(Def Survey)

Report Date.	June 12, 2012 - 05 48 PM	Survey / DLS Computation	Minimum Curvature / Lubinski
Client.	OXY Permian	Vertical Section Azimuth:	0 000 ° (Grid North)
Field	Eddy (NAD27) 2011	Vertical Section Origin	0 000 ft, 0 000 ft
Structure / Slot.	OXY Permian (Rogers 23 FEE #3) Savanna 415 / Rogers 23 FEE #3	TVD Reference Datum	RKB
Well	Rogers 23 FEE #3	TVD Reference Elevation:	3324 000 ft above Unknown
Borehole	Original Hole	Seabed / Ground Elevation	3310 000 ft above Unknown
UWI / API#	NM-OXY-0002 / 30-015-40163-	Magnetic Declination:	7 974 °
Survey Name.	Rogers 23 FEE #3 MWD 0' to 3668'	Total Field Strength.	48730 963 nT
Survey Date:	June 12, 2012	Magnetic Dip Angle	60 459 °
Tort / AHD / DDI / ERD Ratio:	4 555 ° / 58 829 ft / 2 428 / 0 016	Declination Date:	June 12, 2012
Coordinate Reference System.	NAD27 Universal Transverse Mercator, Zone 13 North, US Feet	Magnetic Declination Model:	BGGM 2011
Location Lat / Long	N 32° 44' 9 38004", W 104° 20' 48 12252"	North Reference:	Grid North
Location Grid N/E Y/X:	N 11883218 406 RUS, E 1841241 494 RUS	Grid Convergence Used:	-0 007 °
CRS Grid Convergence Angle.	0 35329438 °	Total Corr Mag North->Grid North.	7 981 °
Grid Scale Factor.	0 9996462	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 ° ' ")
Tie In	109 35	0 71	328 52	109 35	0 58	0 58	-0 35	0 65	11883218 98	1841241 14	N 32 44 9 39	W 104 20 48 13
Start MWD Survey	931 00	0 26	338 43	930 97	6 65	6 65	-3 70	0 06	11883225 06	1841237 80	N 32 44 9 45	W 104 20 48 17
	1130 00	0 44	350 65	1129 96	7 83	7 83	-3 99	0 10	11883226 23	1841237 51	N 32 44 9 46	W 104 20 48 17
	1171 00	0 53	356 65	1170 96	8 17	8 17	-4 02	0 25	11883226 57	1841237 47	N 32 44 9 46	W 104 20 48 17
	1215 00	0 44	352 40	1214 96	8 54	8 54	-4 06	0 22	11883226 95	1841237 44	N 32 44 9 46	W 104 20 48 17
	1432 00	0 53	356 89	1431 95	10 37	10 37	-4 22	0 04	11883228 77	1841237 27	N 32 44 9 48	W 104 20 48 17
	1606 00	0 53	11 04	1605 94	11 96	11 96	-4 11	0 08	11883230 37	1841237 38	N 32 44 9 50	W 104 20 48 17
	1777 00	0 88	21 14	1776 93	13 96	13 96	-3 49	0 22	11883232 37	1841238 01	N 32 44 9 52	W 104 20 48 16
	1949 00	0 88	12 62	1948 91	16 49	16 49	-2 72	0 08	11883234 89	1841238 77	N 32 44 9 54	W 104 20 48 15
	2123 00	1 23	3 83	2122 88	19 65	19 65	-2 31	0 22	11883238 05	1841239 19	N 32 44 9 57	W 104 20 48 15
	2297 00	1 23	31 34	2296 84	23 11	23 11	-1 21	0 34	11883241 51	1841240 28	N 32 44 9 61	W 104 20 48 14
	2642 00	1 49	33 27	2641 74	30 02	30 02	3 18	0 08	11883248 42	1841244 67	N 32 44 9 68	W 104 20 48 08
	2814 30	1 58	22 90	2813 98	34 09	34 09	5 33	0 17	11883252 48	1841246 82	N 32 44 9 72	W 104 20 48 06
	2987 00	1 58	25 19	2986 62	38 43	38 43	7 27	0 04	11883256 83	1841248 76	N 32 44 9 76	W 104 20 48 03
	3159 00	1 32	28 09	3158 56	42 33	42 33	9 21	0 16	11883260 72	1841250 70	N 32 44 9 80	W 104 20 48 01
	3332 00	1 32	28 09	3331 52	45 84	45 84	11 09	0 00	11883264 23	1841252 58	N 32 44 9 83	W 104 20 47 99
	3506 00	1 49	26 68	3505 46	49 63	49 63	13 05	0 10	11883268 02	1841254 54	N 32 44 9 87	W 104 20 47 97
End MWD Survey	3668 00	1 41	17 98	3667 41	53 41	53 41	14 61	0 14	11883271 80	1841256 10	N 32 44 9 91	W 104 20 47 95

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_NSG+SSHOT-Depth Only	Original Hole / Rogers 23 FEE #3
	14 000	109 350	1/95 350	SLB_NSG+SSHOT	Original Hole / Rogers 23 FEE #3
	109 350	931 000	1/98 425	SLB_MWD-STD	Original Hole / Rogers 23 FEE #3 MWD 0' to 3668'
	931 000	2297 000	1/1366 000	SLB_MWD-STD	Original Hole / Rogers 23 FEE #3 MWD 0' to 3668'
	2297 000	2642 000	1/345 000	SLB_MWD-STD	Original Hole / Rogers 23 FEE #3 MWD 0' to 3668'
	2642 000	3668 000	1/1026 000	SLB_MWD-STD	Original Hole / Rogers 23 FEE #3 MWD 0' to 3668'