

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

RECEIVED

AUG 22 2012

NMOCD ARTESIA

July 11, 2012

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046

Attention: Luis Tarazona

Re:

CLIENT: Occidental Permian Ltd

WELL: Tigger 9 State 002

FIELD: Permian Basin

RIG: Savanna 415

COUNTY: Eddy

* API NO: 30-015-40073

JOB NO: NM-OXY-0004

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>
Joseph Osle FST-3	Tigger 9 State 002 Original Hole	499.00 Ft to 5268.00 Ft	June 28, 2012 to July 4, 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

Reservoir Development

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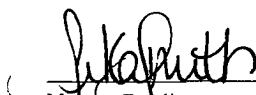
I, Joseph Osle certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of June 28, 2012 through July 04, 2012, conduct or supervise the taking of the SlimPulse surveys from a depth of 499.00 feet to a depth of 5268.00 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 Tigger 9 State 002 Well (Original Hole) API No. 30-015-40073 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.

Joseph Osle
FST-3

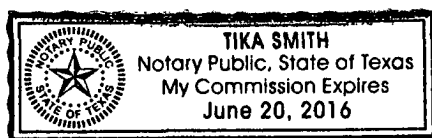


Before me, Tika Smith, on this day personally appeared Joseph Osle, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 11th day of July, 2012 (year).



Notary Public



Tigger 9 State 2 MWD 499' to 5268' Survey Report

(Def Survey)

Report Date:	July 04, 2012 - 08 42 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 (Tigger 9 State 2) Savanna 415 / Tigger 9 State 2	TVD Reference Datum	RKB
Well:	Tigger 9 State 2	TVD Reference Elevation:	3587 000 ft above Unknown
Borehole	Original Hole	Seabed / Ground Elevation:	3573 000 ft above Unknown
UWI / API#	NM-OXY-0004 / 30-015-40073	Magnetic Declination:	7 842 °
Survey Name:	Tigger 9 State 2 MWD 0' to 5268'	Total Field Strength:	48821 319 nT
Survey Date:	July 04, 2012	Magnetic Dip Angle	60 617 °
Tort / AHD / DDI / ERD Ratio	9 371 ° / 84 717 ft / 2 900 / 0 016	Declination Date:	July 04, 2012
Coordinate Reference System:	NAD27 Universal Transverse Mercator, Zone 13 North, US Feet	Magnetic Declination Model:	BGGM 2012
Location Lat / Long:	N 32° 50' 47 65900", W 104° 4' 40 82100"	North Reference:	Grid North
Location Grid N/E Y/X	N 11924070 792 ftUS, E 1923490 393 ftUS	Grid Convergence Used:	0 139 °
CRS Grid Convergence Angle:	0 50011250 °	Total Corr Mag North->Grid North:	7 703 °
Grid Scale Factor	0 99969179	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	398 31	2 03	256 29	398 17	-5 87	-5 87	-7 24	0 39	11924064 92	1923483 15	N 32 50 47 60	W 104 4 40 91
Begin MWD Surveys	499 00	1 58	256 55	498 81	-6 62	-6 62	-10 32	0 45	11924064 18	1923480 07	N 32 50 47 59	W 104 4 40 94
	645 00	0 97	275 56	644 78	-6 97	-6 97	-13 51	0 50	11924063 83	1923476 88	N 32 50 47 59	W 104 4 40 98
	782 00	0 88	276 27	781 76	-6 74	-6 74	-15 71	0 07	11924064 06	1923474 69	N 32 50 47 59	W 104 4 41 01
	999 00	0 70	270 03	998 74	-6 56	-6 56	-18 69	0 09	11924064 24	1923471 70	N 32 50 47 60	W 104 4 41 04
	1172 00	0 70	272 58	1171 72	-6 51	-6 51	-20 81	0 02	11924064 29	1923469 59	N 32 50 47 60	W 104 4 41 07
	1347 00	0 79	297 01	1346 71	-5 91	-5 91	-22 95	0 19	11924064 88	1923467 45	N 32 50 47 60	W 104 4 41 09
	1520 00	0 79	293 76	1519 69	-4 89	-4 89	-25 10	0 03	11924065 90	1923465 30	N 32 50 47 61	W 104 4 41 12
	1692 00	0 70	290 95	1691 68	-4 04	-4 04	-27 17	0 06	11924066 76	1923463 23	N 32 50 47 62	W 104 4 41 14
	1866 00	0 88	289 01	1865 66	-3 22	-3 22	-29 43	0 10	11924067 57	1923460 98	N 32 50 47 63	W 104 4 41 17
	2040 00	0 97	293 14	2039 64	-2 21	-2 21	-32 04	0 06	11924068 59	1923458 36	N 32 50 47 64	W 104 4 41 20
	2213 00	1 23	288 31	2212 61	-1 05	-1 05	-35 15	0 16	11924069 74	1923455 25	N 32 50 47 65	W 104 4 41 23
	2555 00	1 14	292 35	2554 53	1 40	1 40	-41 78	0 04	11924072 19	1923448 62	N 32 50 47 68	W 104 4 41 31
	2728 00	0 88	307 47	2727 51	2 86	2 86	-44 43	0 21	11924073 65	1923445 98	N 32 50 47 69	W 104 4 41 34
	2902 00	0 88	312 39	2901 49	4 58	4 58	-46 48	0 04	11924075 37	1923443 93	N 32 50 47 71	W 104 4 41 37
	3077 00	0 79	309 14	3076 47	6 24	6 24	-48 41	0 06	11924077 03	1923442 00	N 32 50 47 72	W 104 4 41 39
	3247 00	0 70	308 08	3246 45	7 62	7 62	-50 13	0 05	11924078 41	1923440 28	N 32 50 47 74	W 104 4 41 41
	3420 00	0 79	287 78	3419 44	8 64	8 64	-52 10	0 16	11924079 43	1923438 31	N 32 50 47 75	W 104 4 41 43
	3593 00	0 53	282 51	3592 43	9 18	9 18	-54 02	0 15	11924079 97	1923436 39	N 32 50 47 75	W 104 4 41 45
	3731 00	0 79	277 41	3730 42	9 44	9 44	-55 58	0 19	11924080 23	1923434 83	N 32 50 47 76	W 104 4 41 47
	3904 00	0 70	251 48	3903 41	9 26	9 26	-57 77	0 20	11924080 04	1923432 64	N 32 50 47 76	W 104 4 41 50
	4108 00	0 97	253 86	4107 38	8 38	8 38	-60 61	0 13	11924079 17	1923429 80	N 32 50 47 75	W 104 4 41 53
	4284 00	0 79	258 34	4283 36	7 72	7 72	-63 23	0 11	11924078 51	1923427 18	N 32 50 47 74	W 104 4 41 56
	4458 00	0 97	270 29	4457 34	7 49	7 49	-65 88	0 15	11924078 27	1923424 54	N 32 50 47 74	W 104 4 41 59
	4632 00	0 79	265 37	4631 32	7 40	7 40	-68 54	0 11	11924078 19	1923421 87	N 32 50 47 74	W 104 4 41 62
	4805 00	0 70	272 58	4804 31	7 35	7 35	-70 79	0 08	11924078 14	1923419 63	N 32 50 47 74	W 104 4 41 65
	4979 00	0 97	266 07	4978 29	7 29	7 29	-73 32	0 16	11924078 08	1923417 10	N 32 50 47 74	W 104 4 41 68
	5153 00	0 88	252 37	5152 27	6 79	6 79	-76 06	0 14	11924077 58	1923414 35	N 32 50 47 73	W 104 4 41 71
End MWD Survey	5268 00	0 88	271 79	5267 25	6 55	6 55	-77 79	0 26	11924077 34	1923412 63	N 32 50 47 73	W 104 4 41 73

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 / Tigger 9 State 002 MWD 0' to 394'
	14 000	398 310	1/384 310	SLB_NSG+SSHOT	Original Hole / Tigger 9 State 002 MWD 0' to 394'
	398 310	2213 000	1/1814 690	SLB_MWD-STD	Original Hole / Tigger 9 State 2 MWD 0' to 5268'
	2213 000	2555 000	1/342 000	SLB_MWD-STD	Original Hole / Tigger 9 State 2 MWD 0' to 5268'
	2555 000	5268 000	1/2713 000	SLB_MWD-STD	Original Hole / Tigger 9 State 2 MWD 0' to 5268'