



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: April 25, 2014

Attention: Chan Tysor

Re: Occidental Permian Ltd
Well: Osage 18 Fee B Com #1H
Eddy County, New Mexico

30-015-40760

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jaime Rivera MWD Supervisor	1H	713' MD 6710' MD	4-10-2014 4-17-2014	Measurement While Drilling

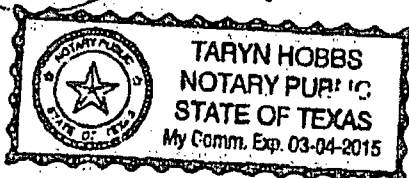
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Daniel Rodriguez
MWD Coordinator

On this, the 20th day of April, 2014, before me a notary public, the undersigned officer, personally appeared Daniel Rodriguez, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public





Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd. Date: 4/24/2014 Time: 09:57:14 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Osage 18 Fee B Com 1H, Grid North
 Site: Osage 18 Fee B Com #1H Vertical (TVD) Reference: SITE 3584.3
 Well: Osage 18 Fee B Com 1H Section (VS) Reference: Well (0.00N,0.00E,0.91Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey:

Start Date:

Company:
Tool:

Engineer:
Tied-to:

Site: Osage 18 Fee B Com #1H

Site Position: Northing: 570243.20 ft Latitude: 32 34 3.212 N
 From: Map Easting: 440839.10 ft Longitude: 104 31 31.333 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3567.80 ft Grid Convergence: -0.10 deg

Well: Osage 18 Fee B Com 1H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 570243.20 ft Latitude: 32 34 3.212 N
 +E/-W 0.00 ft Easting: 440839.10 ft Longitude: 104 31 31.333 W
 Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface
 Tie-on Depth: 0.00 ft
 Above System Datum: Mean Sea Level
 Declination: 7.74 deg
 Mag Dip Angle: 60.28 deg
 Direction: deg
 0.91

Current Datum: SITE Height 3584.30 ft
 Magnetic Data: 12/18/2013
 Field Strength: 48492 nT
 Vertical Section: Depth From (TVD) +N/-S
 0.00 0.00
 0.00 0.00

Survey Program for Definitive Wellpath

Date: 4/24/2014 Validated: No
 Actual From To Survey
 0.00 655.00 Gyro (0.00-655.00)
 655.00 6765.00 MWD (655.00-6765.00)

Version: 1
Toolcode

Tool Name

NS-GYRO-MS
MWD

North sensing gyrocompassing m
MWD - Standard

Survey

MD ft	Incl deg	Azimuth deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	570243.20	440839.10	
90.00	0.45	132.73	90.00	-0.24	0.26	0.50	-0.24	570242.96	440839.36	
118.00	0.58	141.80	118.00	-0.43	0.43	0.55	-0.42	570242.77	440839.53	
146.00	0.60	141.82	146.00	-0.65	0.61	0.07	-0.84	570242.55	440839.71	
177.00	0.71	144.05	176.99	-0.93	0.82	0.37	-0.92	570242.27	440839.92	
208.00	0.83	142.65	207.99	-1.27	1.07	0.39	-1.25	570241.93	440840.17	
236.00	0.92	140.13	235.99	-1.60	1.34	0.35	-1.58	570241.60	440840.44	
264.00	0.92	142.22	263.98	-1.95	1.62	0.12	-1.93	570241.25	440840.72	
295.00	0.86	147.76	294.98	-2.35	1.89	0.34	-2.32	570240.85	440840.89	
322.00	0.89	149.04	321.98	-2.70	2.11	0.13	-2.68	570240.50	440841.21	
350.00	0.82	147.05	349.97	-3.05	2.33	0.27	-3.01	570240.15	440841.43	
381.00	0.84	146.22	380.97	-3.43	2.58	0.08	-3.39	570239.77	440841.88	
412.00	0.79	150.41	411.97	-3.80	2.81	0.25	-3.76	570239.40	440841.91	
441.00	0.77	152.53	440.97	-4.15	3.00	0.12	-4.10	570239.05	440842.10	
472.00	0.77	151.90	471.98	-4.52	3.19	0.03	-4.47	570238.68	440842.29	
502.00	0.71	150.89	501.98	-4.88	3.38	0.21	-4.80	570238.34	440842.48	
532.00	0.68	152.19	531.96	-5.18	3.55	0.12	-5.12	570238.02	440842.65	
563.00	0.74	150.85	562.98	-5.51	3.74	0.20	-5.45	570237.69	440842.84	
594.00	0.73	151.74	593.95	-5.86	3.93	0.05	-5.80	570237.34	440843.03	
655.00	0.70	150.20	654.95	-6.53	4.30	0.08	-6.48	570236.87	440843.40	TieOn SDI Gyro
713.00	0.53	131.84	712.95	-7.01	4.67	0.45	-6.94	570236.19	440843.77	First WFT Svy
847.00	0.79	35.61	846.94	-8.68	5.87	0.74	-8.59	570236.52	440844.77	
981.00	0.97	35.58	980.92	-5.00	6.87	0.13	-4.89	570236.20	440845.97	
1115.00	0.96	31.35	1114.80	-3.12	8.11	0.05	-2.99	570240.08	440847.21	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Osage 18 Fee B Com #1H
Well: Osage 18 Fee B Com 1H
Wellpath: 1

Date: 4/24/2014 Time: 09:57:14 Page: 2
Co-ordinate(NE) Reference: Well: Osage 18 Fee B Com 1H, Grid North
Vertical (TVD) Reference: SITE 3584.3
Section (VS) Reference: Well (0.00N,0.00E,0.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
1250.00	0.41	54.16	1249.89	-1.87	9.09	0.45	-1.73	570241.33	440848.19	
1384.00	0.46	62.43	1383.89	-1.34	9.96	0.06	-1.19	570241.86	440849.06	
1518.00	0.46	47.07	1517.89	-0.73	10.83	0.09	-0.56	570242.47	440849.93	
1652.00	0.42	37.06	1651.88	0.03	11.52	0.06	0.21	570243.23	440850.62	
1831.00	0.36	37.98	1830.88	1.00	12.26	0.03	1.19	570244.20	440851.36	
1921.00	0.35	36.68	1920.88	1.44	12.60	0.01	1.64	570244.64	440851.70	
1963.00	0.62	22.24	1962.88	1.75	12.76	0.70	1.96	570244.95	440851.86	
2008.00	4.23	348.35	2007.83	3.60	12.52	8.29	3.80	570246.80	440851.62	
2053.00	8.99	345.21	2052.52	8.63	11.29	10.80	8.81	570251.83	440850.39	
2097.00	13.86	344.39	2095.63	17.04	8.99	11.07	17.18	570260.24	440848.09	
2142.00	18.77	345.85	2138.81	29.26	5.77	10.95	29.34	570272.46	440844.87	
2187.00	23.76	351.38	2180.73	45.25	2.64	11.94	45.29	570288.45	440841.74	
2232.00	28.78	354.63	2221.08	65.01	0.26	11.60	65.01	570308.21	440839.36	
2276.00	33.45	356.53	2258.74	87.68	-1.47	10.84	87.64	570330.88	440837.63	
2321.00	38.53	0.12	2295.14	114.09	-2.19	12.22	114.04	570357.29	440836.91	
2366.00	43.60	2.21	2329.06	143.63	-1.56	11.87	143.59	570386.83	440837.54	
2410.00	48.72	1.01	2359.52	175.34	-0.68	11.80	175.31	570418.54	440838.42	
2455.00	54.23	0.83	2387.54	210.53	-0.12	12.25	210.50	570453.73	440838.98	
2500.00	58.84	2.47	2412.35	248.04	0.98	10.89	248.03	570491.24	440840.08	
2545.00	63.74	3.10	2433.96	287.45	2.90	10.98	287.46	570530.65	440842.00	
2589.00	69.00	2.81	2451.59	327.70	4.97	11.97	327.73	570570.90	440844.07	
2634.00	73.93	2.26	2465.89	370.31	6.86	11.02	370.37	570613.51	440845.96	
2678.00	78.32	2.31	2476.44	412.98	8.56	9.98	413.06	570656.18	440847.66	
2723.00	82.66	1.70	2483.87	457.32	10.11	9.74	457.42	570700.52	440849.21	
2768.00	87.00	1.15	2487.93	502.11	11.22	9.72	502.23	570745.31	440850.32	
2812.00	89.40	1.22	2489.31	546.08	12.13	5.46	546.20	570789.28	440851.23	
2801.00	91.79	1.02	2488.39	635.05	13.87	2.69	635.19	570878.25	440852.97	
2891.00	89.68	1.19	2487.23	725.02	15.61	2.35	725.18	570968.22	440854.71	
3082.00	90.23	0.67	2487.30	816.01	17.09	0.83	816.18	571059.21	440856.19	
3172.00	90.30	0.26	2486.89	906.00	17.82	0.46	906.17	571149.20	440856.92	
3262.00	90.30	1.32	2486.42	995.99	19.06	1.18	996.17	571239.19	440858.16	
3352.00	90.35	1.10	2485.80	1085.97	20.96	0.25	1086.17	571329.17	440860.06	
3442.00	90.44	0.85	2485.28	1175.96	22.49	0.30	1176.17	571419.16	440861.59	
3532.00	90.77	2.17	2484.33	1265.92	24.86	1.51	1266.15	571509.12	440863.96	
3622.00	91.19	2.60	2482.79	1355.83	28.60	0.67	1356.11	571599.03	440867.70	
3712.00	91.02	2.25	2481.06	1445.73	32.41	0.43	1446.06	571688.93	440871.51	
3802.00	90.28	1.40	2480.04	1535.68	35.28	1.25	1536.04	571778.88	440874.38	
3891.00	90.28	1.36	2479.60	1624.65	37.42	0.04	1625.04	571867.85	440876.52	
3981.00	90.46	0.22	2479.02	1714.64	38.66	1.28	1715.04	571957.84	440877.76	
4070.00	90.61	0.53	2478.19	1803.63	39.24	0.39	1804.03	572046.83	440878.34	
4160.00	90.47	0.49	2477.34	1893.62	40.05	0.16	1894.02	572136.82	440879.15	
4249.00	91.38	0.04	2475.91	1982.61	40.46	1.14	1983.00	572225.81	440879.58	
4339.00	91.35	0.33	2473.76	2072.58	40.75	0.32	2072.97	572315.78	440879.85	
4428.00	91.12	0.34	2471.84	2161.56	41.27	0.26	2161.94	572404.76	440880.37	
4518.00	90.35	0.04	2470.69	2251.55	41.57	0.82	2251.93	572494.75	440880.67	
4608.00	90.37	359.82	2470.12	2341.55	41.46	0.25	2341.91	572584.75	440880.56	
4698.00	90.56	1.55	2469.39	2431.54	42.53	1.93	2431.91	572674.74	440881.83	
4759.00	90.39	1.88	2468.89	2492.51	44.36	0.61	2492.90	572735.71	440883.46	
4850.00	89.18	1.71	2469.23	2583.48	47.21	1.34	2583.89	572826.66	440886.31	
4943.00	89.09	1.48	2470.63	2676.42	49.80	0.27	2676.87	572919.62	440888.90	
5034.00	88.97	1.57	2472.17	2767.37	52.22	0.16	2767.85	573010.57	440891.32	
5126.00	87.86	0.35	2474.72	2859.32	53.76	1.79	2859.81	573102.52	440892.86	

3880
TP=

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Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Osage 18 Fee B Com #1H
Well: Osage 18 Fee B Com 1H
Wellpath: 1

Date: 4/24/2014 Time: 09:57:14 Page: 3
Co-ordinate(NE) Reference: Well: Osage 18 Fee B Com 1H, Grid North
Vertical (TVD) Reference: SITE 3584.3
Section (VS) Reference: Well (0.00N,0.00E,0.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
5215.00	87.37	0.30	2478.42	2948.24	54.26	0.55	2948.73	573191.44	440893.36	
5305.00	87.28	0.51	2482.62	3038.14	54.90	0.25	3038.63	573281.34	440894.00	
5395.00	87.04	0.65	2487.08	3128.02	55.81	0.31	3128.52	573371.22	440894.91	
5458.00	87.72	0.70	2489.67	3188.86	56.53	1.12	3189.45	573432.16	440895.63	
5546.00	87.83	0.26	2493.36	3278.88	57.28	0.50	3279.38	573522.08	440896.38	
5636.00	89.39	359.43	2495.55	3368.85	57.04	1.96	3369.34	573612.05	440896.14	
5726.00	89.32	359.15	2496.56	3458.84	55.92	0.32	3459.28	573702.04	440895.02	
5815.00	89.39	359.51	2497.56	3547.83	54.88	0.41	3548.25	573791.03	440893.88	
5905.00	89.30	359.64	2498.59	3637.82	54.21	0.18	3638.22	573881.02	440893.31	
5994.00	88.83	359.60	2498.97	3726.81	53.62	0.42	3727.18	573970.01	440892.72	
6084.00	88.69	359.94	2501.83	3816.79	53.26	0.46	3817.15	574059.99	440892.36	
6173.00	88.63	359.85	2503.92	3905.76	53.10	0.12	3906.11	574148.96	440892.20	
6263.00	88.56	359.99	2506.12	3995.74	52.97	0.17	3996.07	574238.94	440892.07	
6352.00	88.44	0.21	2508.45	4084.71	53.13	0.28	4085.03	574327.91	440892.23	
6442.00	89.37	0.31	2510.17	4174.69	53.54	1.04	4175.01	574417.89	440892.64	
6531.00	89.58	0.28	2510.99	4263.88	53.88	0.24	4264.00	574506.88	440893.08	
6621.00	89.84	0.68	2511.44	4353.68	54.70	0.53	4354.00	574596.88	440893.80	
6710.00	89.84	0.51	2511.69	4442.67	55.61	0.17	4443.00	574685.87	440894.71	Last WFT Svy
6765.00	89.84	0.51	2511.85	4497.67	56.10	0.00	4497.69	574740.87	440895.20	Proj to Bit

Annotation

MD ft	TVD ft	
655.00	654.95	Tie On SDI Gyro
713.00	712.95	First WFT Svy
6710.00	2511.69	Last WFT Svy
6765.00	2511.85	Proj to Bit



Osage 18 Fee B Com 1H Eddy Co., NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	4518.00	90.35	0.04	2470.32	2251.55	41.68	0.00	0.00	2251.92	
2	4596.09	88.98	0.78	2470.78	2329.63	42.24	2.00	151.62	2330.01	
3	6790.71	88.98	0.78	2510.00	4523.70	72.20	0.00	0.00	4524.28	PBHL

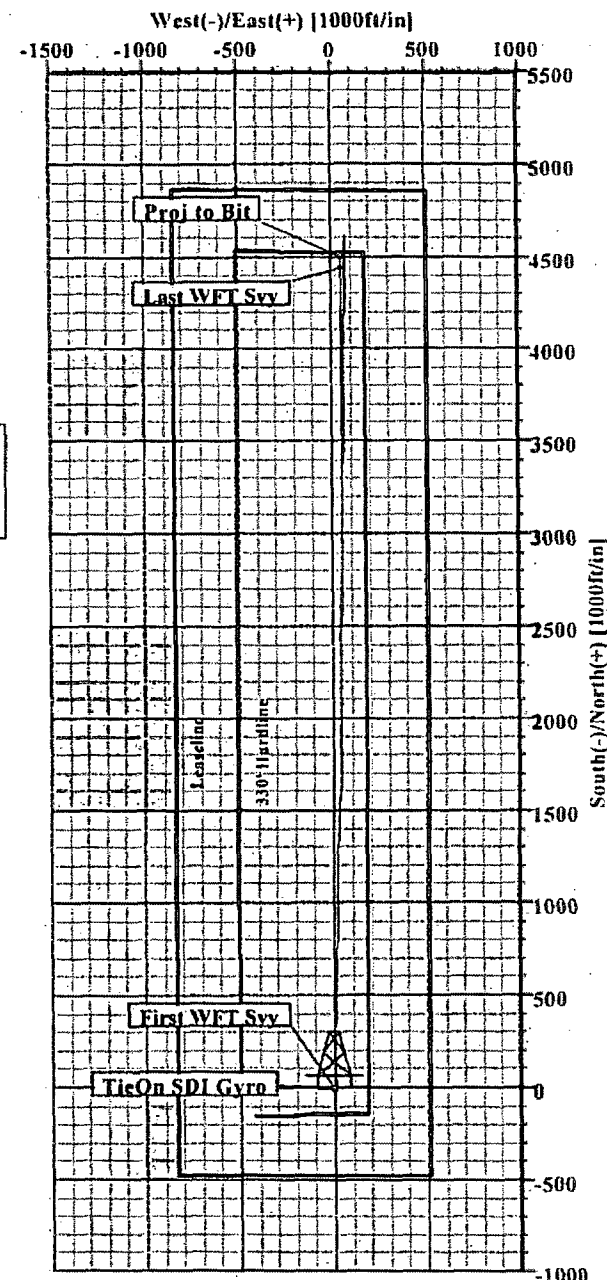
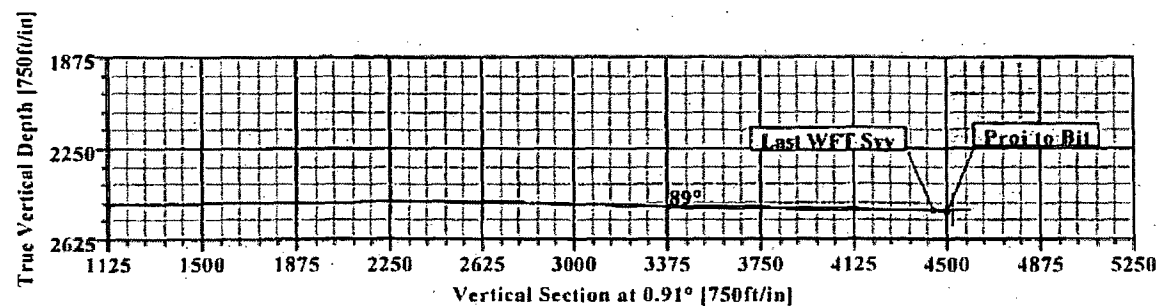
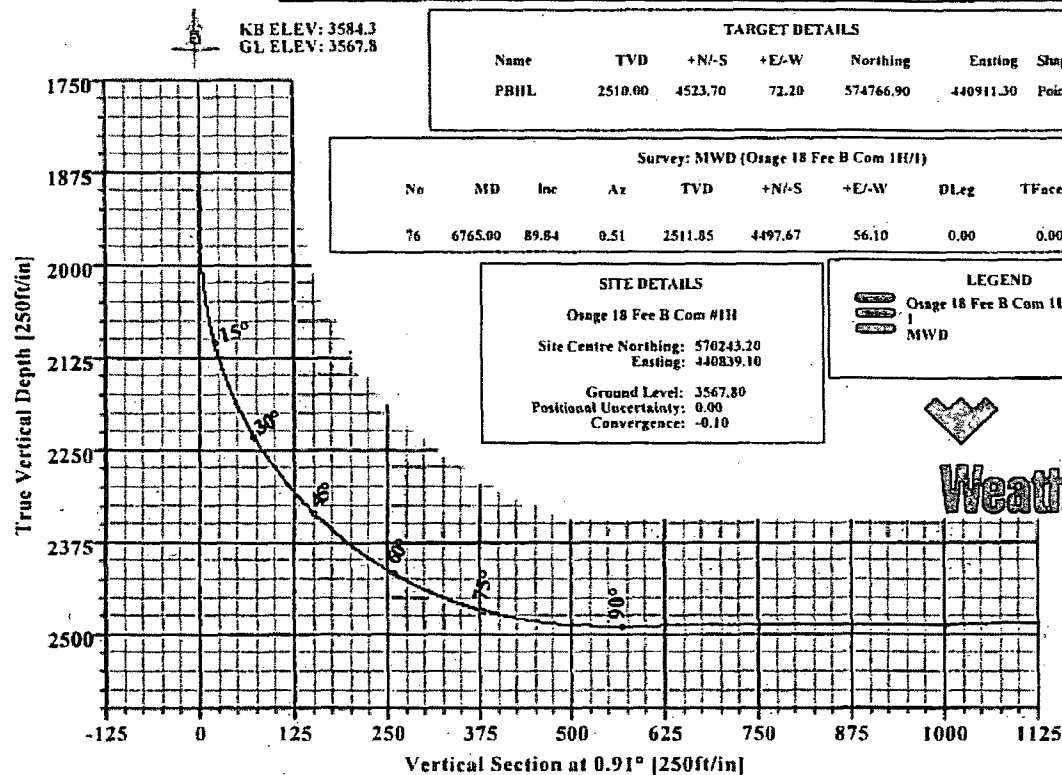
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Osage 18 Fee B Com 1H	0.00	0.00	570243.20	440839.10	32°34'03.212N	104°31'31.333W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	2510.00	4523.70	72.20	574766.90	440911.30	Point

Survey: MWD (Osage 18 Fee B Com 1H/1)										
No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
76	6765.00	89.84	0.51	2511.85	4497.67	56.10	0.00	0.00	4497.99	

SITE DETAILS	
Osage 18 Fee B Com #1H	
Site Centre Northing: 570243.20	
Easting: 440839.10	
Ground Level: 3567.80	
Positional Uncertainty: 0.00	
Convergence: -0.10	

LEGEND	
	Osage 18 Fee B Com 1H, 1, Plan #?
	MWD



Survey: MWD (Osage 18 Fee B Com 1H/1)
Created By: Michael Dill
Date: 4/24/2014

OCCIDENTAL PERMIAN LTD.

North Seven Rivers
Eddy County, NM (Grid North)
Osage "18" Fee B Com #1H
VH - Job #320414-K-457

Survey: drop Gyro

SDI Survey Report

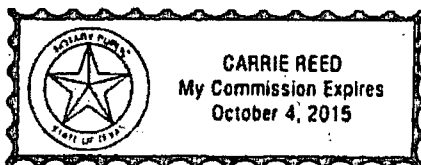
This survey is correct to the best of my knowledge and is supported by actual field data.

K. L. Hutto

Notarized this date 2nd of June 2014.

Carrie Reed

Notary Signature
County of Midland
State of Texas



SDI
SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Osage "18" Fee B Com #1H
Project:	North Seven Rivers	TVD Reference:	Mean Sea Level (System)
Site:	Eddy County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Osage "18" Fee B Com #1H	North Reference:	Grid
Wellbore:	VH - Job #320414-K-457	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320414-K-457	Database:	EDM-Regulatory

Project:	North Seven Rivers		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Brg:		Eddy County, NM (Grid North)			
Site Position:		Northing:	570,099.69 usft	Latitude:	32° 34' 1.817 N
From:	Lat/Long	Easting:	442,288.43 usft	Longitude:	104° 31' 14.394 W
Position Uncertainty:	0.0 usft	Spot Radius:	13-3/16"	Grid Convergence:	-0.10 °

Well:	Osage "18" Fee B Com #1H, Horizontal					
Well Position	+N-S	0.0 usft	Northing:	570,243.17 usft	Latitude:	32° 34' 3.212 N
	+E-W	0.0 usft	Easting:	440,839.06 usft	Longitude:	104° 31' 31.334 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft

Wellbore		VH - Job #320414-K-457			
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	4/8/2014	(n)	(n)	(nT)
			7.71	80.27	48,462

Design:	VH - Job #320414-K-457			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	0.91

Survey Program		Date	8/20/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
90.0	655.0	drop Gyro (VH - Job #320414-K-457)	Keeper	Keeper Surface Readout	

Survey	MD	Inc	 Azi (azimuth)	TVD	N/S	E/W	Closure Azimuth	Closure Distance
	(usft)	(n)	(n)	(usft)	(usft)	(usft)	(n)	(usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
	90.0	0.45	132.73	90.0	-0.2	0.3	132.73	0.4
	118.0	0.58	141.80	118.0	-0.4	0.4	134.85	0.6
	146.0	0.60	141.62	146.0	-0.7	0.6	137.07	0.9
	177.0	0.71	144.05	177.0	-0.9	0.8	138.74	1.2
	208.0	0.83	142.65	208.0	-1.3	1.1	139.88	1.7
	236.0	0.92	140.13	236.0	-1.6	1.3	140.18	2.1
	264.0	0.92	142.22	264.0	-2.0	1.6	140.35	2.5
	295.0	0.86	147.76	295.0	-2.3	1.9	141.06	3.0
	322.0	0.89	149.04	322.0	-2.7	2.1	141.96	3.4
	350.0	0.82	147.05	350.0	-3.1	2.3	142.62	3.8
	381.0	0.84	146.22	381.0	-3.4	2.6	143.04	4.3

SDI
SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Osage "18" Fee B Com #1H
Project:	North Seven Rivers	TVD Reference:	Mean Sea Level (System)
Site:	Eddy County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Osage "18" Fee B Com #1H	North Reference:	Grid
Wellbore:	VH - Job #320414-K-457	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320414-K-457	Database:	EDM-Regulatory

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Azimuth (°)	Closure Distance (usft)	
412.0	0.76	150.41	412.0	-3.8	2.8	143.53	4.7	
441.0	0.77	152.53	441.0	-4.1	3.0	144.14	5.1	
472.0	0.77	151.90	472.0	-4.5	3.2	144.74	5.5	
502.0	0.71	150.89	502.0	-4.9	3.4	145.17	5.9	
532.0	0.68	152.19	532.0	-5.2	3.6	145.53	6.3	
563.0	0.74	150.85	563.0	-5.5	3.7	145.88	6.7	
594.0	0.73	151.74	594.0	-5.9	3.9	146.18	7.1	
655.0	0.70	150.20	654.9	-6.5	4.3	146.65	7.8	

OXY USA Inc.
Osage 18 Fee B Com 1H
API No. 30-015-40760

14-3/4" hole @ 363'
11-3/4" csg @ 363'
w/ 800sx-TOC-Surf-Circ.

10-5/8" hole @ 693'
8-5/8" csg @ 693'
w/ 400sx-TOC-Surf-Circ.

2-7/8" tbg @ 1976' w/ TAC @ 1895'

7-7/8" hole @ 6758'
5-1/2" csg @ 6758'
w/ 1250sx-TOC-Surf-Circ.

Perfs @ 2880-6620'

TD- 6765'M 2511'V

Submit within 45 days of well completion State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505		Revising form version 8, 2013 1. Well API No: 30-015-0750 2. Well Name: OSAGE 18 FEE B COM #001H 3. Well Number: 001H 4. Surface Hole Location: Unit N, Sec 16, Township 20S, Range 25E Feet from 490 N3 Line B Feet from 2160 E&W Line W 5. Bottom Hole Location: Unit C, Sec 16, Township 20S, Range 25E Feet from 302 N3 Line N Feet from 2218 E&W Line W 6. Section: 32 5675429371462 7. County: Eddy																																																																																												
HYDRAULIC FRACTURING FLUID DISCLOSURE X Original I Amendment		8. Operator Name and Address: OXY USA INC PO Box 4294 Houston 77210 9. DCHID: 16696 10. Phone Number: 713-368-5069 (p)																																																																																												
11. Last Fracture Date: 8/26/2014 Frac Performed by: Nabors 12. Production Type: O 13. Post Completions: 97565 14. Gross Fractured Interval: 2,680 ft to 6,020 ft 15. True Vertical Depth (TVD): 2,511 ft 16. Total Volume of Fluid Pumped: 2,709,000 gals 17. Total Volume of Retained Water Pumped: N/A 18. Percent of Retained Water in Fluid Pumped: Not Disclosed		19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION: <table border="1"> <thead> <tr> <th>Trade Name</th> <th>Supplier</th> <th>Purpose</th> <th>Ingredients</th> <th>CAS # Chemical Abstract Service #</th> <th>Maximum Ingredient Concentration in Additive (% by mass)</th> <th>Maximum Ingredient Concentration in Well Fluid (% by mass)</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>OCCIDENTAL PETROLEUM</td> <td>Water</td> <td>Water</td> <td>7732-18-6</td> <td>100%</td> <td>99.99505%</td> </tr> <tr> <td>Acid Inhibitor 3M (AI-3M)</td> <td>Nabors Completion and Production Services</td> <td>Acid Corrosion Inhibitors</td> <td>1-DECANOL 1-OC TANDOL 2-Butoxyethanol Cinnamaldehyde Ethoxyfuran Ethylene Glycol Isopropyl Alcohol N,N-Dimethylformamide Triethyl Phosphate</td> <td>112-30-1 111-87-6 111-76-2 104-65-2 28412-64-4 107-31-1 67-43-0 68-12-2 78-40-0</td> <td>5% 2.5% 7% 8% 5% 40% 2.5% 20% 2.5%</td> <td>0.00020% 0.00013% 0.00036% 0.00031% 0.00025% 0.00006% 0.00013% 0.00103% 0.00013%</td> </tr> <tr> <td>KR-153SL</td> <td>Nabors Completion and Production Services</td> <td>Biocides</td> <td>2,2-dibromo-3-nitropropenamide</td> <td>10222-01-2</td> <td>20%</td> <td>0.00446%</td> </tr> <tr> <td>Clay Floet LT</td> <td>Nabors Completion and Production Services</td> <td>Clay Control Additives</td> <td>Polyethylene Glycol</td> <td>25322-68-3</td> <td>50%</td> <td>0.01122%</td> </tr> <tr> <td>Breaker FR</td> <td>Nabors Completion and Production Services</td> <td>Gel Breakers</td> <td>Alphatic Acid Ferrous sulfate</td> <td>Proprietary 7782-63-0</td> <td>20% 20%</td> <td>0.00954% 0.00954%</td> </tr> <tr> <td>Super QW 3</td> <td>Nabors Completion and Production Services</td> <td>Surfactants & Foamers</td> <td>Dimethylcocamine, bis (chloroethyl) ether, quaternary ammonium salt Isopropyl Alcohol Methanol</td> <td>69007-75-3 67-63-0 67-56-1</td> <td>60% 60% 30%</td> <td>0.00060% 0.00060% 0.00033%</td> </tr> <tr> <td>TX Specific 40/70 mesh Sand</td> <td>Nabors Completion and Production Services</td> <td>Sand - 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20. I, the Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: <u>David Stewart</u> Printed Name: <u>David Stewart</u> Title: <u>Regulatory Advisor</u> Date: <u>11/12/2014</u> E-mail Address: <u>david.stewart@oxy.com</u>																																																																																														

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