



Weatherford®

Evaluation, Drilling & Intervention
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Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: April 2, 2014

Attention: Anthony Tsacher

30 015 41657

Re: Occidental Permian Ltd
Well: Nimitz 12 #5H
Eddy County, New Mexico

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:

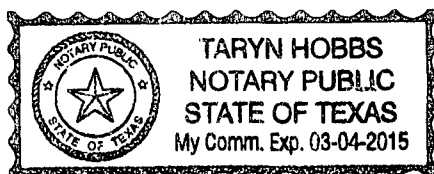
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Nguyen MWD Supervisor	5H	637'' MD 12259' MD	3-4-2014 3-23-2014	Measurement While Drilling

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.

Jesus Aguilar
MWD Coordinator

On this, the 4th day of November, 2014, before me a notary public, the undersigned officer, personally appeared JESUS AGUILAR, 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

Re Mid Reg 11/6/14

5D Survey Report**OXY USA****Field Name:** *Eddy Co. (NAD27 NME)***Site Name:** *Exist Nimitz 12 #5H***Well Name:** *Exist Nimitz 12 #5H***Survey:** *Definitive Survey*

04 November 2014



Exist Nimitz 12 #5H

Field Name Eddy Co. (NAD27 NME)	Map Units : US ft Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD27 / New Mexico East Comment :	Company Name : OXY USA
Site Name Exist Nimitz 12 #5H	Units : US ft North Reference : Grid Convergence Angle : 0.26 Position Northing : 446213.00 US ft Latitude : 32° 13' 32.88" Easting : 652154.20 US ft Longitude : -103° 50' 28.67" Elevation above Mean Sea Level: 3497.90 US ft Comment :	
Slot Name Exist Nimitz 12 #5H	Position (Offsets relative to Site Centre) +N / -S : 0.00 US ft Northing : 446213.00 US ft Latitude : 32° 13' 32.88" +E / -W : 0.00 US ft Easting : 652154.20 US ft Longitude : -103° 50' 28.67" Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 3497.90 US ft Comment :	
Well Name Exist Nimitz 12 #5H	Type : Main well UWI : Rig Height Kelly Bushing : 25.00 US ft Comment : Relative to Mean Sea Level: 3522.90 US ft Closure Distance : 4645.75 US ft Closure Azimuth : 3.21158° Vertical Section (Position of Origin Relative to Site) +N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 0.00°	

Survey Name: Definitive Survey

Date : 04/Nov/2014 **Survey Tool :** **Comment :** **Company :**

Magnetic Model

Model Name: BGGM **Date:** 05/Jun/2014 **Field Strength:** 48372.5 nT **Declination:** 7.47° **Dip:** 60.20°

Survey Tool Ranges

Name	Start MD (US ft)	End MD (US ft)	Source Survey
NSG Cont	0.00	450.00	Gyro
MWD	450.00	12259.00	MWD

Well path created using minimum curvature

Survey Points (Relative to Site centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	446213.00	652154.20	NSG Cont (Gyro)	
100.00	0.60	191.49	100.00	-0.51	-0.10	-0.51	0.60	446212.49	652154.10	NSG Cont (Gyro)	
200.00	0.75	178.90	199.99	-1.68	-0.20	-1.68	0.21	446211.32	652154.00	NSG Cont (Gyro)	
300.00	0.40	186.94	299.99	-2.68	-0.23	-2.68	0.36	446210.32	652153.97	NSG Cont (Gyro)	
400.00	0.21	207.67	399.98	-3.19	-0.35	-3.19	0.22	446209.81	652153.85	NSG Cont (Gyro)	
450.00	0.14	211.75	449.98	-3.32	-0.43	-3.32	0.14	446209.68	652153.77	NSG Cont (Gyro)	

5D Survey Report

Survey Points (Relative to Site centre TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
637.00	0.07	92.07	636.98	-3.52	-0.43	-3.52	0.10	446209.48	652153.77	MWD (MWD)	First WFT Svy
698.00	0.16	154.75	697.98	-3.60	-0.36	-3.60	0.23	446209.40	652153.84	MWD (MWD)	
787.00	0.41	149.89	786.98	-3.99	-0.15	-3.99	0.28	446209.01	652154.05	MWD (MWD)	
1069.00	0.56	162.59	1068.97	-6.18	0.77	-6.18	0.07	446206.82	652154.97	MWD (MWD)	
1163.00	0.50	147.76	1162.97	-6.96	1.13	-6.96	0.16	446206.04	652155.33	MWD (MWD)	
1352.00	0.31	335.06	1351.97	-7.19	1.35	-7.19	0.43	446205.81	652155.55	MWD (MWD)	
1542.00	0.36	6.12	1541.96	-6.14	1.20	-6.14	0.10	446206.86	652155.40	MWD (MWD)	
1731.00	0.75	315.53	1730.96	-4.66	0.40	-4.66	0.31	446208.34	652154.60	MWD (MWD)	
1920.00	0.38	316.27	1919.95	-3.33	-0.90	-3.33	0.20	446209.67	652153.30	MWD (MWD)	
2109.00	0.65	260.24	2108.94	-3.06	-2.39	-3.06	0.29	446209.94	652151.81	MWD (MWD)	
2297.00	0.73	241.11	2296.93	-3.81	-4.49	-3.81	0.13	446209.19	652149.71	MWD (MWD)	
2487.00	0.43	240.42	2486.92	-4.75	-6.17	-4.75	0.16	446208.25	652148.03	MWD (MWD)	
2676.00	0.60	225.55	2675.91	-5.79	-7.50	-5.79	0.11	446207.21	652146.70	MWD (MWD)	
2865.00	1.28	44.63	2864.90	-4.99	-6.72	-4.99	0.99	446208.01	652147.48	MWD (MWD)	
3054.00	0.98	35.94	3053.86	-2.17	-4.29	-2.17	0.18	446210.83	652149.91	MWD (MWD)	
3243.00	0.31	176.38	3242.85	-1.38	-3.31	-1.38	0.65	446211.62	652150.89	MWD (MWD)	
3432.00	1.58	96.13	3431.83	-2.16	-0.68	-2.16	0.82	446210.84	652153.52	MWD (MWD)	
3621.00	1.98	121.90	3620.74	-4.17	4.68	-4.17	0.47	446208.83	652158.88	MWD (MWD)	
3810.00	3.11	110.87	3809.55	-7.72	12.24	-7.72	0.65	446205.28	652166.44	MWD (MWD)	
3999.00	1.59	66.63	3998.40	-8.51	19.44	-8.51	1.20	446204.49	652173.64	MWD (MWD)	
4039.00	1.31	61.23	4038.39	-8.07	20.35	-8.07	0.78	446204.93	652174.55	MWD (MWD)	
4192.00	1.20	78.19	4191.35	-6.90	23.45	-6.90	0.25	446206.10	652177.65	MWD (MWD)	
4381.00	2.13	41.60	4380.27	-3.87	27.72	-3.87	0.72	446209.13	652181.92	MWD (MWD)	
4569.00	1.85	36.34	4568.16	1.19	31.84	1.19	0.18	446214.19	652186.04	MWD (MWD)	
4758.00	1.76	359.09	4757.07	6.55	33.60	6.55	0.61	446219.55	652187.80	MWD (MWD)	
4947.00	1.62	356.58	4945.99	12.12	33.39	12.12	0.08	446225.12	652187.59	MWD (MWD)	
5136.00	2.48	302.25	5134.88	16.97	29.78	16.97	1.07	446229.97	652183.98	MWD (MWD)	
5325.00	1.21	276.31	5323.78	19.37	24.33	19.37	0.79	446232.37	652178.53	MWD (MWD)	
5515.00	1.42	286.20	5513.73	20.25	20.08	20.25	0.16	446233.25	652174.28	MWD (MWD)	
5704.00	1.44	285.65	5702.67	21.54	15.54	21.54	0.01	446234.54	652169.74	MWD (MWD)	
5893.00	1.40	282.58	5891.62	22.69	11.00	22.69	0.05	446235.69	652165.20	MWD (MWD)	
6082.00	0.88	191.21	6080.59	21.76	8.47	21.76	0.88	446234.76	652162.67	MWD (MWD)	
6271.00	0.90	185.17	6269.57	18.86	8.05	18.86	0.05	446231.86	652162.25	MWD (MWD)	
6460.00	1.05	189.84	6458.54	15.68	7.62	15.68	0.09	446228.68	652161.82	MWD (MWD)	
6649.00	1.09	190.60	6647.51	12.21	7.00	12.21	0.02	446225.21	652161.20	MWD (MWD)	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
6838.00	0.76	196.23	6836.48	9.23	6.32	9.23	0.18	446222.23	652160.52	MWD (MWD)	
7028.00	0.80	197.37	7026.47	6.76	5.57	6.76	0.02	446219.76	652159.77	MWD (MWD)	
7122.00	0.80	196.64	7120.46	5.50	5.18	5.50	0.01	446218.50	652159.38	MWD (MWD)	
7154.00	0.43	208.10	7152.45	5.18	5.06	5.18	1.21	446218.18	652159.26	MWD (MWD)	
7185.00	1.12	351.58	7183.45	5.38	4.96	5.38	4.80	446218.38	652159.16	MWD (MWD)	
7217.00	2.13	336.91	7215.44	6.24	4.68	6.24	3.39	446219.24	652158.88	MWD (MWD)	
7248.00	4.31	343.87	7246.39	7.89	4.13	7.89	7.13	446220.89	652158.33	MWD (MWD)	
7280.00	6.25	346.58	7278.25	10.74	3.40	10.74	6.11	446223.74	652157.60	MWD (MWD)	
7311.00	8.16	349.50	7309.01	14.54	2.60	14.54	6.27	446227.54	652156.80	MWD (MWD)	
7343.00	10.07	352.93	7340.60	19.55	1.85	19.55	6.20	446232.55	652156.05	MWD (MWD)	
7365.00	11.80	354.25	7362.20	23.70	1.38	23.70	7.95	446236.70	652155.58	MWD (MWD)	
7396.00	14.22	356.86	7392.40	30.65	0.86	30.65	8.03	446243.65	652155.06	MWD (MWD)	
7428.00	16.36	353.71	7423.27	39.06	0.15	39.06	7.17	446252.06	652154.35	MWD (MWD)	
7460.00	19.18	354.18	7453.74	48.77	-0.88	48.77	8.82	446261.77	652153.32	MWD (MWD)	
7491.00	22.86	355.00	7482.67	59.84	-1.92	59.84	11.91	446272.84	652152.28	MWD (MWD)	
7523.00	26.00	355.35	7511.80	73.03	-3.03	73.03	9.82	446286.03	652151.17	MWD (MWD)	
7554.00	28.75	359.18	7539.33	87.26	-3.69	87.26	10.53	446300.26	652150.51	MWD (MWD)	
7586.00	29.90	1.70	7567.23	102.93	-3.56	102.93	5.27	446315.93	652150.64	MWD (MWD)	
7617.00	32.64	3.37	7593.72	119.00	-2.84	119.00	9.27	446332.00	652151.36	MWD (MWD)	
7649.00	35.19	3.66	7620.28	136.82	-1.75	136.82	7.98	446349.82	652152.45	MWD (MWD)	
7680.00	38.02	2.04	7645.16	155.28	-0.84	155.28	9.65	446368.28	652153.36	MWD (MWD)	
7712.00	40.93	0.94	7669.86	175.61	-0.31	175.61	9.35	446388.61	652153.89	MWD (MWD)	
7743.00	44.02	1.06	7692.72	196.54	0.05	196.54	9.97	446409.54	652154.25	MWD (MWD)	
7775.00	46.22	3.32	7715.30	219.19	0.93	219.19	8.50	446432.19	652155.13	MWD (MWD)	
7806.00	49.36	4.48	7736.13	242.10	2.50	242.10	10.50	446455.10	652156.70	MWD (MWD)	
7838.00	51.61	4.99	7756.49	266.70	4.54	266.70	7.14	446479.70	652158.74	MWD (MWD)	
7869.00	54.87	5.48	7775.04	291.42	6.80	291.42	10.59	446504.42	652161.00	MWD (MWD)	
7901.00	57.15	5.92	7792.93	317.82	9.44	317.82	7.22	446530.82	652163.64	MWD (MWD)	
7937.00	57.39	7.64	7812.39	347.89	13.02	347.89	4.07	446560.89	652167.22	MWD (MWD)	
7968.00	58.72	11.06	7828.80	373.84	17.29	373.84	10.30	446586.84	652171.49	MWD (MWD)	
8000.00	62.51	11.18	7844.50	401.20	22.67	401.20	11.85	446614.20	652176.87	MWD (MWD)	
8031.00	65.21	10.35	7858.15	428.53	27.87	428.53	9.04	446641.53	652182.07	MWD (MWD)	
8063.00	68.49	8.22	7870.73	457.57	32.61	457.57	11.94	446670.57	652186.81	MWD (MWD)	
8094.00	71.00	6.60	7881.46	486.40	36.35	486.40	9.47	446699.40	652190.55	MWD (MWD)	
8126.00	73.42	4.98	7891.24	516.71	39.42	516.71	8.97	446729.71	652193.62	MWD (MWD)	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
8150.00	74.38	4.42	7897.90	539.70	41.31	539.70	4.59	446752.70	652195.51	MWD (MWD)	
8181.00	78.01	3.08	7905.29	569.73	43.28	569.73	12.44	446782.73	652197.48	MWD (MWD)	
8213.00	81.03	2.77	7911.11	601.15	44.88	601.15	9.49	446814.15	652199.08	MWD (MWD)	
8244.00	82.69	3.13	7915.50	631.80	46.46	631.80	5.48	446844.80	652200.66	MWD (MWD)	
8276.00	84.46	2.52	7919.08	663.56	48.03	663.56	5.85	446876.56	652202.23	MWD (MWD)	
8307.00	86.15	2.69	7921.62	694.42	49.43	694.42	5.48	446907.42	652203.63	MWD (MWD)	
8339.00	87.82	2.79	7923.30	726.34	50.96	726.34	5.23	446939.34	652205.16	MWD (MWD)	
8371.00	88.53	2.42	7924.32	758.29	52.41	758.29	2.50	446971.29	652206.61	MWD (MWD)	
8402.00	88.88	2.92	7925.02	789.25	53.86	789.25	1.97	447002.25	652208.06	MWD (MWD)	
8434.00	89.02	2.68	7925.61	821.20	55.42	821.20	0.87	447034.20	652209.62	MWD (MWD)	
8524.00	90.35	2.32	7926.10	911.11	59.35	911.11	1.53	447124.11	652213.55	MWD (MWD)	
8618.00	89.65	2.09	7926.10	1005.04	62.96	1005.04	0.78	447218.04	652217.16	MWD (MWD)	
8713.00	90.91	1.23	7925.64	1100.00	65.72	1100.00	1.61	447313.00	652219.92	MWD (MWD)	
8807.00	91.26	1.96	7923.86	1193.95	68.33	1193.95	0.86	447406.95	652222.53	MWD (MWD)	
8901.00	92.23	2.26	7921.00	1287.84	71.79	1287.84	1.08	447500.84	652225.99	MWD (MWD)	
8996.00	91.53	3.27	7917.88	1382.67	76.37	1382.67	1.29	447595.67	652230.57	MWD (MWD)	
9091.00	90.98	3.09	7915.80	1477.50	81.64	1477.50	0.61	447690.50	652235.84	MWD (MWD)	
9185.00	90.21	3.51	7914.82	1571.34	87.05	1571.34	0.93	447784.34	652241.25	MWD (MWD)	
9279.00	88.95	4.63	7915.51	1665.10	93.72	1665.10	1.79	447878.10	652247.92	MWD (MWD)	
9374.00	91.12	5.37	7915.45	1759.73	102.00	1759.73	2.41	447972.73	652256.20	MWD (MWD)	
9468.00	89.23	4.88	7915.17	1853.35	110.40	1853.35	2.08	448066.35	652264.60	MWD (MWD)	
9563.00	89.16	5.34	7916.50	1947.96	118.86	1947.96	0.49	448160.96	652273.06	MWD (MWD)	
9657.00	89.09	5.39	7917.94	2041.54	127.65	2041.54	0.09	448254.54	652281.85	MWD (MWD)	
9752.00	90.49	5.72	7918.29	2136.09	136.84	2136.09	1.51	448349.09	652291.04	MWD (MWD)	
9846.00	88.81	3.94	7918.86	2229.75	144.76	2229.75	2.60	448442.75	652298.96	MWD (MWD)	
9941.00	90.00	4.97	7919.85	2324.45	152.13	2324.45	1.66	448537.45	652306.33	MWD (MWD)	
10035.00	90.07	4.34	7919.79	2418.14	159.76	2418.14	0.67	448631.14	652313.96	MWD (MWD)	
10130.00	89.51	4.13	7920.14	2512.88	166.78	2512.88	0.63	448725.88	652320.98	MWD (MWD)	
10224.00	91.12	3.68	7919.62	2606.66	173.18	2606.66	1.78	448819.66	652327.38	MWD (MWD)	
10319.00	88.88	3.54	7919.62	2701.47	179.16	2701.47	2.36	448914.47	652333.36	MWD (MWD)	
10414.00	89.30	2.71	7921.13	2796.31	184.34	2796.31	0.98	449009.31	652338.54	MWD (MWD)	
10508.00	88.88	3.25	7922.62	2890.17	189.23	2890.17	0.73	449103.17	652343.43	MWD (MWD)	
10602.00	89.23	2.85	7924.17	2984.03	194.23	2984.03	0.57	449197.03	652348.43	MWD (MWD)	
10697.00	88.11	1.42	7926.38	3078.93	197.76	3078.93	1.91	449291.93	652351.96	MWD (MWD)	
10791.00	87.69	1.69	7929.82	3172.83	200.31	3172.83	0.53	449385.83	652354.51	MWD (MWD)	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
10886.00	88.11	2.32	7933.30	3267.71	203.64	3267.71	0.80	449480.71	652357.84	MWD (MWD)	
10981.00	86.99	2.05	7937.36	3362.55	207.25	3362.55	1.21	449575.55	652361.45	MWD (MWD)	
11075.00	86.84	2.51	7942.42	3456.34	210.99	3456.34	0.51	449669.34	652365.19	MWD (MWD)	
11170.00	87.90	3.51	7946.78	3551.11	215.97	3551.11	1.53	449764.11	652370.17	MWD (MWD)	
11264.00	87.89	4.03	7950.23	3644.84	222.15	3644.84	0.55	449857.84	652376.35	MWD (MWD)	
11358.00	88.81	3.17	7952.94	3738.61	228.05	3738.61	1.34	449951.61	652382.25	MWD (MWD)	
11453.00	90.63	4.33	7953.41	3833.40	234.26	3833.40	2.27	450046.40	652388.46	MWD (MWD)	
11547.00	88.60	2.08	7954.04	3927.24	239.52	3927.24	3.22	450140.24	652393.72	MWD (MWD)	
11642.00	89.72	1.95	7955.43	4022.17	242.86	4022.17	1.19	450235.17	652397.06	MWD (MWD)	
11736.00	92.44	1.97	7953.66	4116.09	246.07	4116.09	2.89	450329.09	652400.27	MWD (MWD)	
11830.00	90.91	0.49	7950.91	4210.03	248.09	4210.03	2.26	450423.03	652402.29	MWD (MWD)	
11925.00	92.10	1.45	7948.42	4304.98	249.69	4304.98	1.61	450517.98	652403.89	MWD (MWD)	
12019.00	92.45	1.55	7944.68	4398.87	252.15	4398.87	0.39	450611.87	652406.35	MWD (MWD)	
12114.00	92.88	2.90	7940.27	4493.69	255.84	4493.69	1.49	450706.69	652410.04	MWD (MWD)	
12199.00	92.65	1.28	7936.17	4578.53	258.93	4578.53	1.92	450791.53	652413.13	MWD (MWD)	Last WFT Svy
12259.00	92.65	1.28	7933.39	4638.46	260.27	4638.46	0.00	450851.46	652414.47	MWD (MWD)	Proj to Bit



Job Number: SVMO-140264
 Company: OXY USA, Inc.
 Lease/Well: Nimitz 12 Federal 5H
 Location: Eddy County, NM
 Rig Name: H&P #477
 RKB: 25'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.14°
 Grid: East To Grid North
 File name: S:\2014SU~1\OXY\MO\NIMITZ\12FED5H.SVY
 Date/Time: 05-Mar-14 / 11:06
 Curve Name: Surface - 450' M.D. (Rate Gyro) (API 30-015-41657)

MS SURVEY

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 450' MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 Keegan Reed
 MS Energy Services
 3/5/14
 Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.60	191.49	100.00	-.51	-.10	-.51	.52	191.49	.60
200.00	.75	178.90	199.99	-1.68	-.20	-1.68	1.69	186.65	.21
300.00	.40	186.94	299.99	-2.68	-.23	-2.68	2.69	184.81	.36
400.00	.21	207.67	399.98	-3.19	-.35	-3.19	3.21	186.31	.22

Last Survey Depth Recorded									
450.00	.14	211.75	449.98	-3.32	-.43	-3.32	3.35	187.33	.14