



Job Number: SVMO-140284
 Company: OXY USA, Inc.
 Lease/Well: Nimitz 12 Federal 6H
 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\OXYMOMNIMITZ12FED6H.SVY
 Date/Time: 05-Mar-14 / 11:06
 Curve Name: Surface - 450' M.D. (Rate Gyro) (API 30-015-41657)

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	CLOSURE		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



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 2, 2014

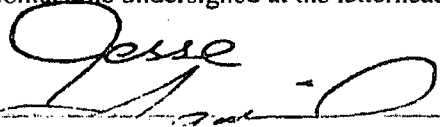
Attention: Anthony Tsacher

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:

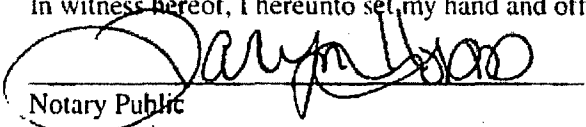
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Nguyen MWD Supervisor	5H	637' MD 12259' MD	3-4-2014 3-23-2014	Measurement While Drilling

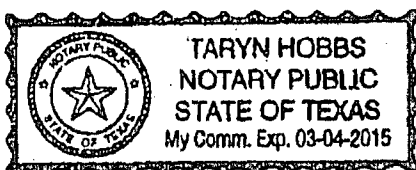
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesus Aguilar
MWD Coordinator

On this, the 4th day of January, 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



Weatherford

SD 7.5.9 - 4 Nov 2014

Exist Nimitz 12 #5H

Field Name
Eddy Co.
(NAD27 NME)

Map Units : US ft **Company Name :** OXY USA
Vertical Reference Datum (VRD) : Mean Sea Level
Projected Coordinate System : NAD27 / New Mexico East
Comment :

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)											
ID (US ft)	Int (ft)	Alt (ft)	TVD (US ft)	T Offset (US ft)	E Offset (US ft)	VS (US ft)	GS (100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comments
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)	

SD Survey Report

Survey Points (Relative to Site centre, NVD relative to Kelly Bushing)											
NO (US14)	Lat (°N)	Lon (°W)	NVD (US14)	Lat (°N)	Lon (°W)	US (US14)	US (US14)	Lat (US14)	Lon (US14)	Survey (MWD)	Notes
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	446228.58	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)	

SD Survey Report

Survey Points (Relative to Site centre, W.D. relative to Kelly Bushing)											
NO (USIN)	IN (ft)	IN (ft)	NO (USIN)	IN (ft)	IN (ft)	NO (USIN)	IN (ft)	NO (USIN)	IN (ft)	NO (USIN)	IN (ft)
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)

40 Survey Points

Survey Points (Relative to Site Centre, TVD relative to Kelly Bushings)											
TVB (USM)	TVB (m)	AS (m)	TVB (USM)	TVB (USM)	AS (USM)	AS (USM)	AS (m)	AS (USM)	AS (USM)	AS (m)	Summary - Elevation
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)	

10 Survey Report

Survey Points (Relative to Site Centre MWD Relative to Kelly/Birmingham)											
PD (US in)	UP (in)	AS (in)	TD (US in)	UD (in)	ED (US in)	VS (US in)	MS Anomalous (in)	UD (US in)	ED (US in)	Stratigraphic Description	Remarks
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

OXY USA Inc.
Nimitz 12 Federal #5H
API No. 30-015-41657

14-3/4" hole @ 580'
11-3/4" csg @ 580'
w/ 430sx-TOC-Surf-Circ

10-5/8" hole @ 4097'
8-5/8" csg @ 4097'
w/ 1070sx-TOC-Surf-Circ

7-7/8" hole @ 12259'
5-1/2" csg @ 12257'
w/ 1650sx-TOC-Surf-Circ
DVT @ 4167'

Perfs @ 8150-12120'

TD - 12259'M 7982'V

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505		Permit Number: 12-15 1 Well ID: 30-015-41057 2 Well Name: N-NTZ 12 FED 0003H 3 Well Number: 000H				
HYDRAULIC FRACTURING FLUID DISCLOSURE x Original - Amendment		4 Surface Hole Location: Line M Lot M Section 12 Township 24S Range 30E Foot from 275 NW Line B Foot from 350 EW Line W 5 Surface Hole Location: Line M Lot M Section 12 Township 24S Range 30E Foot from 275 NW Line B Foot from 350 EW Line W 6 Volume of Fluid: 12 7253182340424 103 64170945201 7 Date: Eddy				
8 Operator Name and Address: OXY USA INC PO Box 4794 Houston 77218		9 DOP ID: 10000	10 Phone Number: 713-366-3465			
11 Last Fracture Date: 8/5/2014 First Performed by: Nabors		12 Production Type: O				
13 Fluid Volume: 95046		14 Gross Fracture Length: 8,150 ft to 17,129 ft				
15 True Volume (TV): 7,938 ft		16 Total Volume of Fluid Pumped: 1,732,532 gals				
17 Total Volume of Fluid Used for Purpose: N/A		18 Percent of the Use of Fluid for Purpose: Not Disclosed				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION						
Fluid Name	Location	Purpose	Ingredients	API RT (Service) Abstract Service 9	Maximum Ingredient Concentration in Aqueous (by mass)	Maximum Ingredient Concentration in Oil (by mass)
Water	OCCIDENTAL PETROLEUM	Water	Water	7722-18-5	100%	0.00117%
Acid Inhibitor 3M (A-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECAHOL 1-DECANOL 2-Butoxyethanol Cinnamylalcohol Ethanol Hexanediol Isopropyl Alcohol N,N-Dimethylformamide Triethyl Phosphate 20-Bromo Hydrochloric Acid Water	112-50-1 111-87-5 111-76-7 104-55-2 60113-54-4 107-31-1 67-43-0 68-12-7 70-45-0 7647-41-0 7732-18-5 7732-18-5	5% 2.3% 7% 6% 5% 40% 7.5% 20% 2.5% 100% 150% 65%	0.0015% 0.004% 0.008% 0.009% 0.009% 0.0005% 0.0005% 0.0005% 0.0005% 0.0005% 0.0005% 0.0005%
HCl Acid (12.5%-18.2%)	Nabors Completion and Production Services	Acid	Hydrochloric Acid	7732-18-5	100%	0.00117%
Clay/Inert LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	65%	0.00117%
Oil Breaker	Nabors Completion and Production Services	Gel breakers	Ammonium Persulfate	7727-54-0	100%	0.00117%
LBO-100	Nabors Completion and Production Services	Grinding Agents	Barium Sulfate Pectinase Sulfonate Surfactant	8000-36-0 81742-47-8 80436-91-0 67-43-0	50% 50% 7% 60%	0.00034% 0.00034% 0.00034% 0.00034%
Super LT Aesth Activator	Nabors Completion and Production Services	Proppants - Manufactured	Proppant	Proppant	60%	0.00034%
Super OH-3	Nabors Completion and Production Services	Surfactants & Foaming	Dimethylsiloxane, bis(isobutyl) ether, diisobutyl methacrylate Isopropyl Alcohol Methanol	88607-38-3 67-43-0 67-58-1	60% 60% 20%	0.00034% 0.00034% 0.00034%
TX Spacers 15-30 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide Crystalline Silica, quartz Iron Oxide Titanium Oxide	1344-50-1 14808-60-7 1309-37-1 1344-50-7	1.1% 98.8% 0.1% 0.1%	0.00034% 0.00034% 0.00034% 0.00034%
Monoamine Sulfonate 10-20	Nabors Completion and Production Services	Proppants - Manufactured - Monoamine	Crystalline Silica (Quartz) phenol resin	14808-60-7 9003-35-1	89% 10%	0.00034% 0.00034%
XL-11	Nabors Completion and Production Services	Crack breakers	Ethylene Glycol Potassium Hydroxide Potassium Metasilicate Water	107-31-1 1310-58-3 13709-64-4 7732-18-5	10% 5% 30% 75%	0.00034% 0.00034% 0.00034% 0.00034%
RC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol Acetic Anhydride Cupric Chloride	60-24-2 1336-71-8 10125-13-0	75% 5% 7%	0.00034% 0.00034% 0.00034%
Super GREEN SOLVUM	Nabors Completion and Production Services	Proppant & Scale Additives	Aliphatic Hydrocarbons Borates Isopropyl Alcohol Isopropanol Undecanoic Hemicellulose Enzymes	Proppant Proppant Proppant Proppant Proppant Proppant	85% 10% 11% 9% 8% 1%	0.00034% 0.00034% 0.00034% 0.00034% 0.00034% 0.00034%
EXP-F0626-13	Nabors Completion and Production Services	Gel Breakers	Hemicellulose Enzymes	Proppant	1%	0.00034%
Super TSC 2 LVS	Nabors Completion and Production Services	Proppant & Scale Additives	ALUMINO METHYLENE PHOSPHONIC ACID SALT Methanol	86340-44-5 67-58-1	100% 100%	0.00034% 0.00034%
ADUCAR DB 20	Nabors Completion and Production Services	Blockers	2,2-Dimethyl-3-nitropropionamide (DBNPA) Diisobutylamine Polyethylene glycol Sodium bromide	16222-61-2 3257-43-5 25127-68-3 7647-15-0	20% 7% 5% 4%	0.00034% 0.00034% 0.00034% 0.00034%
Super Sam-J40 E	Nabors Completion and Production Services	Surfactants & Foaming	Di water	7732-18-5	90%	0.00117%
Proform Sand Arizona 20/40	Nabors Completion and Production Services	Proppants - Manufactured - Proform Sand	Quartz (SiO2)	14808-60-7	100%	0.00034%

I, the undersigned, hereby certify that the information provided on this disclosure form is true and correct to the best of my knowledge and belief.
 Signature: David Steward Date: 8/7/2014
 Title: Regulatory Advisor
 E-mail Address: david.steward@oxy.com

OXY USA INC. does not require the recording of information before MMS is able to conduct its 30-day review. OXY USA INC. does not require the recording of information before MMS is able to conduct its 30-day review.

Schlumberger

Company: Oxy USA
 Well: Nimitz 12 Federal Com 5H
 Field: Poker Lake
 County: Eddy State: New Mexico

Eddy County: Eddy Field: Poker Lake Location: 275' FSL & 350' FWL Well: Nimitz 12 Federal Com 5H Company: Oxy USA	Platform Express			
	Compensated Neutron Log			
	Three Detector Litho-Density			
	Location: 275' FSL & 350' FWL		Elev.: K.B. 3523.00 ft G.L. 3498.00 ft D.F. 3522.00 ft	
	Permanent Datum: Log Measured From: Kelly Bushing		Ground Level: Elev.: 3498.00 ft 25.00 ft above Perm. Datum	
API Serial No. 30-015-41657		Section: 12	Township: 24S	Range: 30E
Logging Date: 14-Mar-2014				
Run Number: One				
Depth Driller: 8400.00 ft				
Schlumberger Depth: 7952.00 ft				
Bottom Log Interval: 7949.00 ft				
Top Log Interval: 4091.00 ft				
Casing Driller Size @ Depth: 8.625 in @ 4097.00 ft				
Casing Schlumberger: 4091 ft				
Bit Size: 7.875 in				
Type Fluid In Hole: Brine				
MUD	Density	Viscosity	8.7 lbm/gal	32 s
	Fluid Loss	PH	8.5 cm3	9.5
	Source of Sample: Active Tank			
RM @ Meas Temp: 0.45 ohm.m @ 71 degF				
RMF @ Meas Temp: 0.38 ohm.m @ 71 degF				
RMC @ Meas Temp:				
Source RMF		RMC	Calculated	Calculated
RM @ BHT		RMF @ BHT	0.28 @ 117	0.24 @ 117
Max Recorded Temperatures: 117 degF				
Circulation Stopped		Time	13-Mar-2014	20:30:00
Logger on Bottom		Time	14-Mar-2014	06:00:00
Unit Number	Location:	2161	Roswell	
Recorded By: Alexander Wolf/Ken Rood				
Witnessed By: Julie Li				

Rec Mid Reg 11/6/14

Schlumberger

Company: Oxy USA
 Well: Nimitz 12 Federal Com 5H
 Field: Poker Lake
 County: Eddy State: New Mexico

Eddy County: Eddy Field: Poker Lake Location: 275' FSL & 350' FWL Well: Nimitz 12 Federal Com 5H Company: Oxy USA	Platform Express			
	High Resolution Laterolog Array			
	Spectral Gamma Ray			
	Location: 275' FSL & 350' FWL		Elev.: K.B. 3523.00 ft G.L. 3498.00 ft D.F. 3522.00 ft	
	Permanent Datum: Log Measured From: Kelly Bushing		Ground Level: Elev.: 3498.00 ft 25.00 ft above Perm. Datum	
API Serial No. 30-015-41657		Section: 12	Township: 24S	Range: 30E
Logging Date: 14-Mar-2014				
Run Number: One				
Depth Driller: 8400.00 ft				
Schlumberger Depth: 7952.00 ft				
Bottom Log Interval: 7925.00 ft				
Top Log Interval: 4091.00 ft				
Casing Driller Size @ Depth: 8.625 in @ 4097.00 ft				
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Type Fluid In Hole: Brine				
MUD	Density	Viscosity	8.7 lbm/gal	32 s
	Fluid Loss	PH	8.5 cm3	9.5
	Source of Sample: Active Tank			
RM @ Meas Temp: 0.45 ohm.m @ 71 degF				
RMF @ Meas Temp: 0.38 ohm.m @ 71 degF				
RMC @ Meas Temp:				
Source RMF		RMC	Calculated	Calculated
RM @ BHT		RMF @ BHT	0.28 @ 117	0.24 @ 117
Max Recorded Temperatures: 117 degF				
Circulation Stopped		Time	13-Mar-2014	20:30:00
Logger on Bottom		Time	14-Mar-2014	06:00:00
Unit Number	Location:	2161	Roswell	
Recorded By: Alexander Wolf/Ken Rood				
Witnessed By: Julie Li				

Rec Mid Reg 11/6/14



Radial Cement Bond Variable Density Log W/ Gamma Ray / CCL

Company Well Field County State	Oxy USA, Inc. Nimitz 12 FED #5 H New Mexico South Eddy New Mexico	Company Oxy USA, Inc.					
		Well Nimitz 12 FED #5 H					
		Field New Mexico South					
		County Eddy			State New Mexico		
		Location: API #: 30-015-41657					
		275' FSL & 350' FWL Sec. 12, T-24-S, R-30-E				Other Services NA	
		SEC -- TWP -- RGE --				Elevation	
		Permanent Datum		Ground Level		Elevation 3498'	
		Log Measured From		Kelly Bushing 24.2' APD		K.B. 3522.2'	
		Drilling Measured From		Kelly Bushing		D.F. 3521.2'	
						G.L. 3498'	
Date		07-APR-2014					
Run Number		One					
Depth Driller		12259'					
Depth Logger		8220'					
Bottom Logged Interval		8212'					
Top Log Interval		Surface					
Open Hole Size		7 7/8"					
Type Fluid		Water					
Density / Viscosity		-					
Max. Recorded Temp.		-					
Estimated Cement Top		1770'					
Time Well Ready		ROA					
Time Logger on Bottom		16:15					
Equipment Number		9077					
Location		Midland TX					
Recorded By		Jason Streiff					
Witnessed By		-					
Borehole Record							
Tubing Record							
Run Number		Bit		From		To	
One							
Two							
Casing Record		Size		Wgt/Ft		Top	
Surface String						Bottom	
Prot. String							
Production String		5 1/2"		17#		Surface	
Liner						12732'	
		DV Tool		4166'		Short Joint	
						7195'-7208'	

>>> Fold Here