

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Send one copy to appropriate
District Office

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45084	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321633	Property Name OXBOW CC "17-8" FEDERAL COM	Well Number 32H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2938.2'

Surface Location

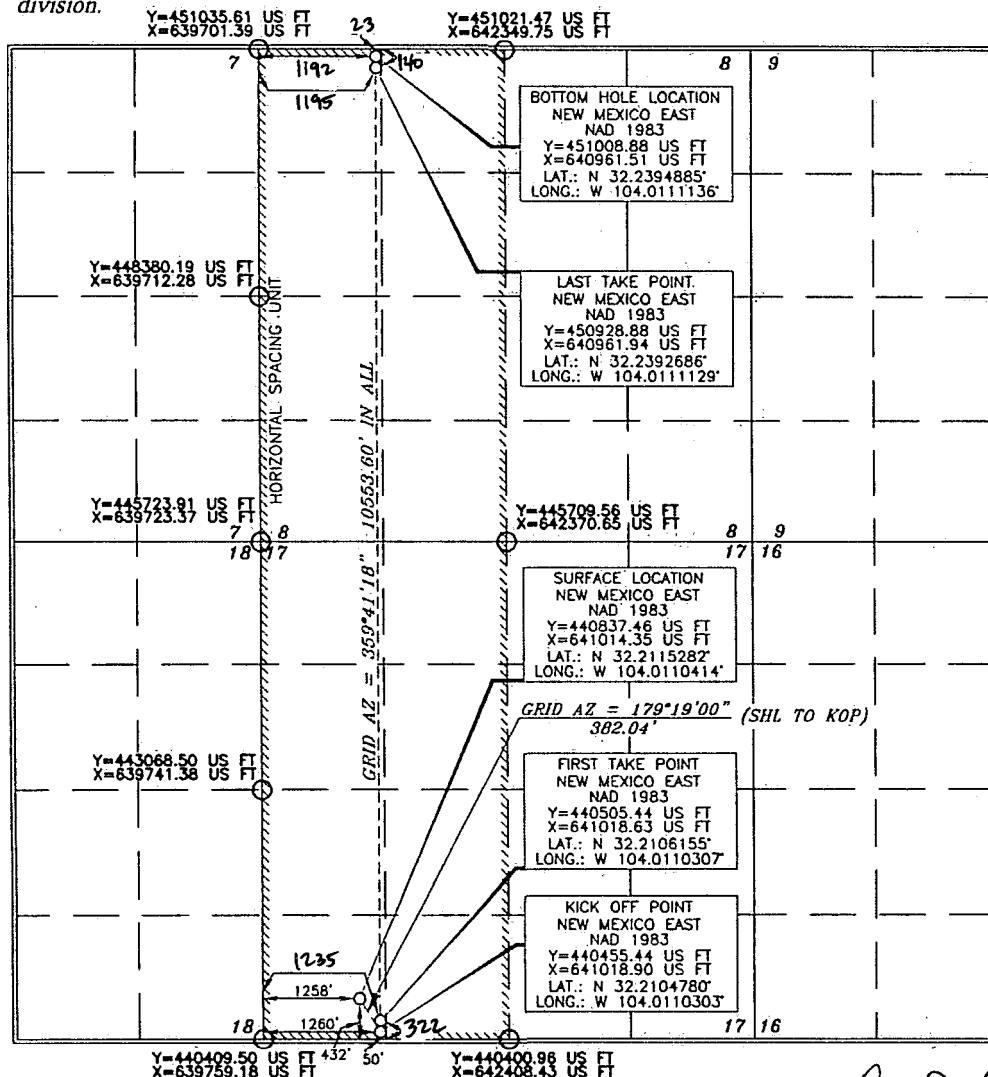
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	24 SOUTH	29 EAST, N.M.P.M.		432'	SOUTH	1258'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	8	24 SOUTH	29 EAST, N.M.P.M.		20'	NORTH	1200'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.	FTP- 322 FSL 1235 FWL
640			NSL-7941	LTP- 140 FNL 1195 FWL

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered on the division.

heretofore entered by the division.

Signature Jana Merdiola Date 3/2/20
Printed Name Jana Merdiola
E-mail Address Jana.mendiola@oxy.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from all types of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
OCTOBER 10, 2017
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Paul 9/10/2014
Certificate Number 15079

WO# 171010WL-a-XY (Rev. A) (KA)

Ref 4-28500

Intent ☐ As Drilled ☒

API # 30-015-45084			
Operator Name: OXY USA INC.		Property Name: OXBOW CC 17-8 FEDERAL COM	Well Number 32H

Kick Off Point (KOP)

UL M	Section 17	Township 24S	Range 29E	Lot	Feet 11	From N/S S	Feet 1165	From E/W W	County EDDY
Latitude 32.21037					Longitude -104.01134				NAD NAD83

First Take Point (FTP)

UL M	Section 17	Township 24S	Range 29E	Lot	Feet 322	From N/S S	Feet 1235	From E/W W	County EDDY
Latitude 32.21123					Longitude -104.01112				NAD NAD83

Last Take Point (LTP)

UL D	Section 8	Township 24S	Range 29E	Lot	Feet 140	From N/S N	Feet 1195	From E/W W	County EDDY
Latitude 32.23916					Longitude -104.01115				NAD NAD83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared).

Schlumberger

January 13, 2020

OXY USA Incorporated
P.O. BOX 2289
Houston, TX 77252

RECEIVED

MAR 03 2020

EMNRD-OCDARTESIA

Re:

S17, T24S, R29E, EDDY NM
N 32.21153 W -104.01104

CLIENT: OXY USA Incorporated
WELL: OXBOW CC 17-8 FEDERAL COM 32H
FIELD: PURPLE-SAGE WOLFCAMP

RIG: Pioneer 82
COUNTY: EDDY
API NO: 30-015-45084
JOB NO: 19MLH0385

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, 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>
Katherine Ramirez Gomez FET	OXBOW CC 17-8 FEDERAL COM 32H Original Hole	616.00 Ft to 20354.00 Ft	December 13, 2019 to January 12, 2020	SlimPulse Third Party Corrected

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main)

Fax : (432) 742-5606 (Shared)

Well Reference:

S17, T24S, R 29E, EDDY NM

N 32.21153 W -104.01104

Schlumberger

I, Katherine Ramirez Gomez, certify that, I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of December 13, 2019 through January 12, 2020, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 616.00 feet to a depth of 20354.00 feet referenced to driller's depth; 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 OXY USA Incorporated for the OXBOW CC 17-8 FEDERAL COM 32H Well (Original Hole) API No. 30-015-45084 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.

By

Katherine Ramirez Gomez

Katherine Ramirez Gomez

FET

Subscribed and Sworn to before me this 22 day of January (month) 2020 (yr)

My Commission expires:

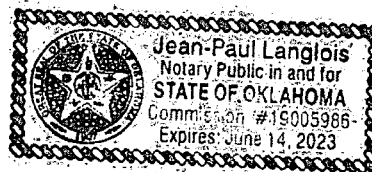
6/14/23

Notary Public

Jean-Paul Langlois

(County State)

(signature)



Schlumberger-Private

Schlumberger

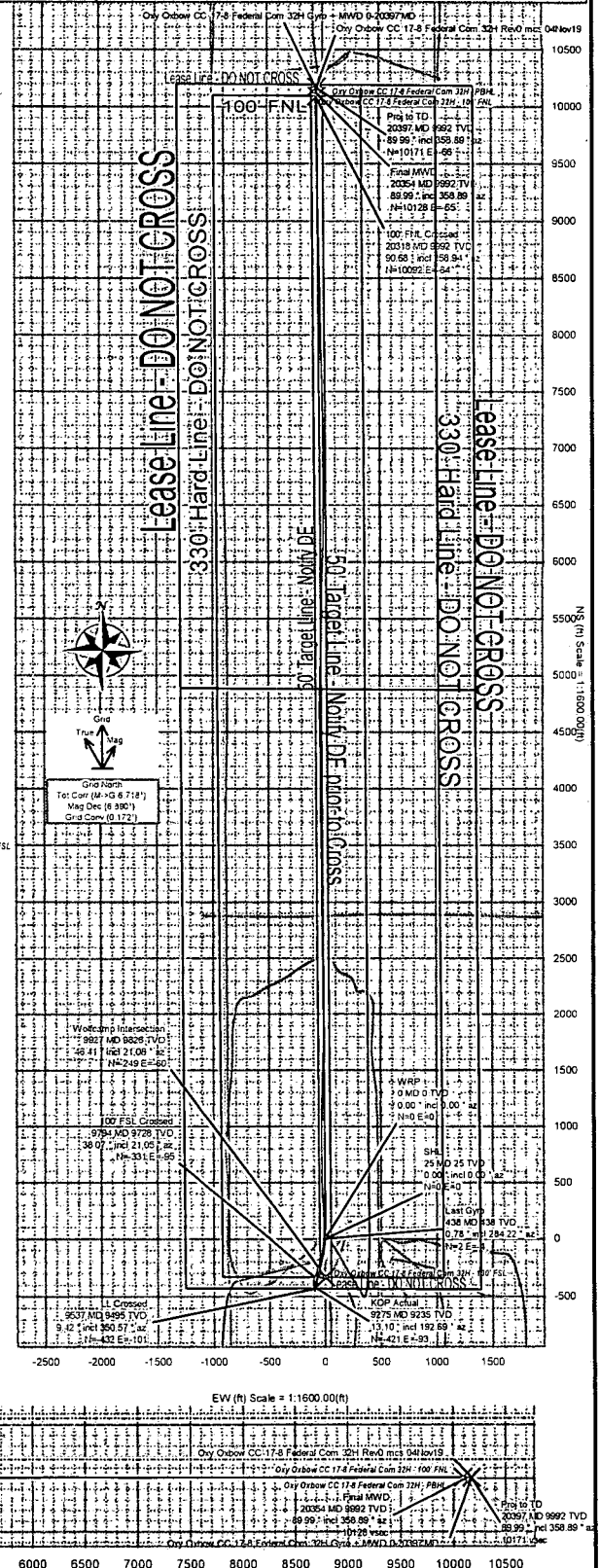
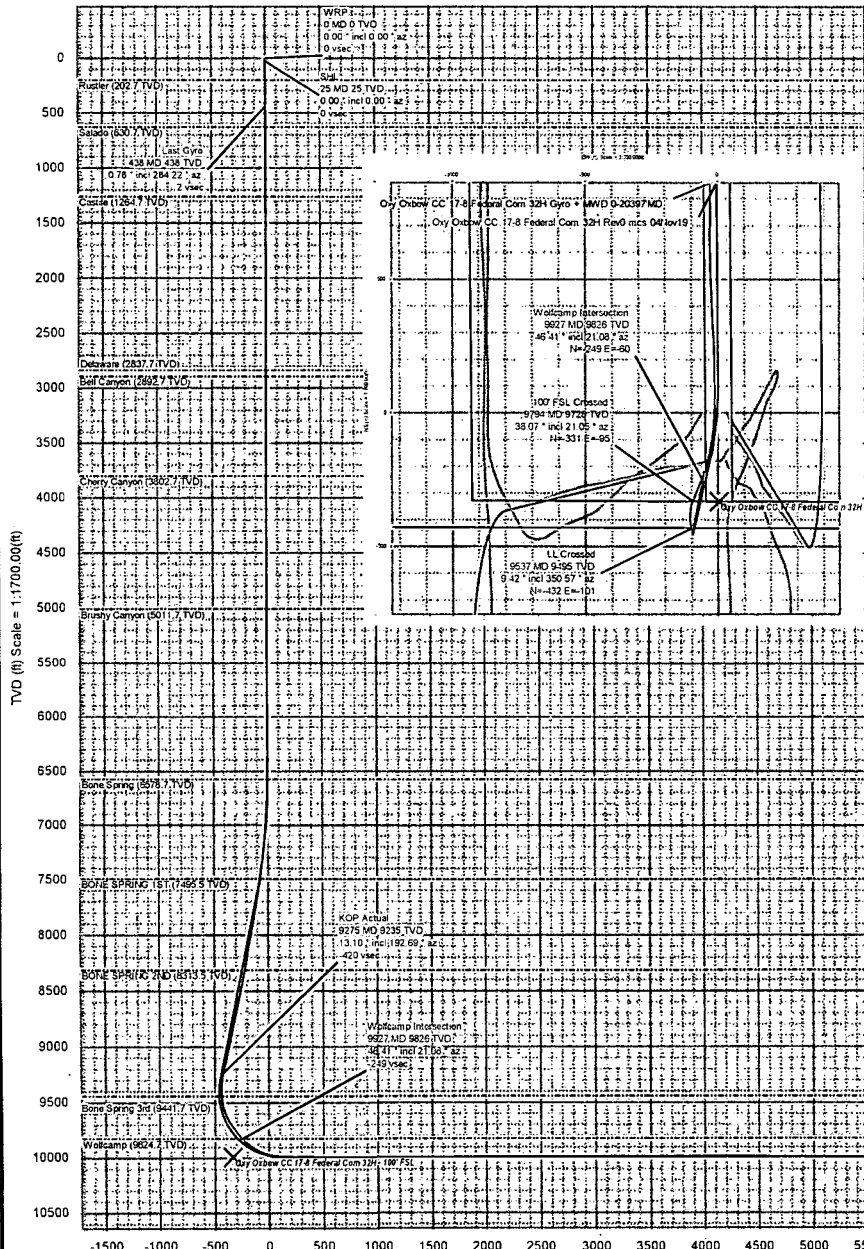
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Oxbow CC 17-8 Federal Com 32H	NM Eddy County (NAD 83)	Oxy Oxbow CC 17-8 Federal Com 32H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: IFR1 Dip: 59.92° Date: 12-Dec-2019	Lat: N 32 12 41.50 Northing: 440837.46NUS Grid Conv: 0.1718°	Slot: Oxy Oxbow CC 17-8 Federal Com 32H	TVD Ref: RKB = 25ft (263.2ft above MSL)
MagDec: 6.89° FS: 47846.9nT Gravity FS: 989.468mg (9.80665 Based)	Lon: W 104 0 39.75 Easting: 641014.35NUS Scale Fact: 0.99992047	Plan: Oxy Oxbow CC 17-8 Federal Com 32H Gyro + MWD 9-20397 MD	

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(°)/S(°)	E(°)/W(°)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
Last Gyro	438.00	0.78	284.22	437.96	1.87	1.85	-4.46	0.16
KOP Actual	9275.00	13.10	192.69	9235.15	-420.50	-420.99	-92.91	0.50
LL Crossed	9537.00	9.42	350.57	9494.78	-431.22	-431.76	-101.34	10.40
100' FSL Crossed	9794.00	38.07	21.05	9727.59	-330.99	-331.49	-95.02	15.41
Wolfcamp Intersection	9927.34	46.41	21.08	9826.20	-248.55	-248.86	-60.29	10.99
100' FNL Crossed	20318.00	90.68	358.94	9992.49	10092.05	10091.85	-64.16	0.16
Final MWD	20354.00	89.99	358.89	9992.17	10128.04	10127.84	-64.84	3.80
Proj to TD	20397.00	89.99	358.89	9992.18	10171.04	10170.84	-65.67	0.00





Report Date:	January 13, 2020 - 11:30 AM
Client:	OMX
Field:	NM Eddy County (NAD 83)
Structure / Slot:	Oxy Oxbow CC 17-8 Federal Com 32H / Oxy Oxbow CC 17-8 Federal Com 32H
Well:	Oxy Oxbow CC 17-8 Federal Com 32H
Borehole:	Original Borehole
UWI / API#:	Unknown / 30-015-45084
Survey Name:	Oxy Oxbow CC 17-8 Federal Com 32H Gyro + MWD 0-20397MD
Survey Date:	November 27, 2019
Tort / AHD / DDI / ERD Ratio:	250.244 " / 11103.879 ft / 6.754 / 1.111
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long:	N 32° 12' 41.50153", W 104° 0' 39.74886"
Location Grid N/E Y/X:	N 440837.460 ftUS, E 641014.350 ftUS
CRS Grid Convergence Angle:	0.1718 "
Grid Scale Factor:	0.99992047
Version / Patch:	2.10.787.0

Survey / DLS Computation:	Minimum Curvature / Lubinski
Vertical Section Azimuth:	359.702 ° (Grid North)
Vertical Section Azimuth:	0.000 ft, 0.000 ft
TVD Reference Datum:	RKB = 25ft
TVD Reference Elevation:	2963.200 ft above MSL
Seabed / Ground Elevation:	2938.200 ft above MSL
Magnetic Declination:	6.890 °
Total Gravity Field Strength:	998.4677mgn (9.80665 Based)
Gravity Model:	GARM
Total Magnetic Field Strength:	47846.900 nT
Magnetic Dip Angle:	59.920 °
Declination Date:	December 12, 2019
Magnetic Declination Model:	IFR1
North Reference:	Grid North
Grid Convergence Used:	0.1718 °
Total Corr Mag North->Grid North:	6.7182 °
Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ° ')	Longitude (E/W ° ° ')
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440837.46	641014.35	N 32 12 41.50 W	104 0 39.75
SHL	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	440837.46	641014.35	N 32 12 41.50 W	104 0 39.75
	96.00	0.42	287.70	96.00	0.08	0.08	-0.25	0.59	440837.54	641014.10	N 32 12 41.50 W	104 0 39.75
	123.00	0.47	321.61	123.00	0.20	0.20	-0.41	0.98	440837.66	641013.94	N 32 12 41.50 W	104 0 39.75
	150.00	0.53	308.16	150.00	0.36	0.36	-0.58	0.49	440837.82	641013.77	N 32 12 41.51 W	104 0 39.76
	177.00	0.68	343.45	177.00	0.59	0.59	-0.72	1.46	440838.05	641013.63	N 32 12 41.51 W	104 0 39.76
	203.00	0.76	321.07	202.99	0.88	0.87	-0.87	1.12	440838.33	641013.48	N 32 12 41.51 W	104 0 39.76
	229.00	0.82	288.60	228.99	1.07	1.07	-1.16	1.71	440838.53	641013.19	N 32 12 41.51 W	104 0 39.76
	258.00	0.90	284.94	257.99	1.20	1.19	-1.58	0.33	440838.65	641012.77	N 32 12 41.51 W	104 0 39.77
	290.00	1.08	280.06	289.98	1.32	1.31	-2.12	0.62	440838.77	641012.23	N 32 12 41.51 W	104 0 39.77
	321.00	1.07	280.36	320.98	1.43	1.41	-2.69	0.04	440838.87	641011.66	N 32 12 41.52 W	104 0 39.78
	353.00	0.94	285.61	352.97	1.55	1.53	-3.23	0.57	440839.13	641011.12	N 32 12 41.52 W	104 0 39.79
	385.00	0.90	285.03	384.97	1.69	1.67	-3.71	0.04	440839.19	641010.64	N 32 12 41.52 W	104 0 39.79
	416.00	0.80	282.17	415.97	1.80	1.78	-4.15	0.35	440839.24	641010.19	N 32 12 41.52 W	104 0 39.80
	438.00	0.78	284.22	437.96	1.87	1.85	-4.46	0.16	440839.31	641009.89	N 32 12 41.52 W	104 0 39.80
	616.00	0.11	270.02	615.96	2.17	2.14	-5.40	0.38	440839.60	641008.55	N 32 12 41.52 W	104 0 39.82
	675.00	0.07	166.40	674.96	2.14	2.11	-5.85	0.24	440839.57	641008.50	N 32 12 41.52 W	104 0 39.82
	731.00	0.07	270.39	730.96	2.11	2.07	-5.88	0.20	440839.53	641008.48	N 32 12 41.52 W	104 0 39.82
	792.00	0.09	296.39	791.96	2.13	2.10	-5.96	0.07	440839.56	641008.39	N 32 12 41.52 W	104 0 39.82
	883.00	0.06	230.28	882.96	2.13	2.10	-6.06	0.09	440839.56	641008.29	N 32 12 41.52 W	104 0 39.82
	975.00	0.05	260.72	974.96	2.09	2.06	-6.13	0.03	440839.52	641008.22	N 32 12 41.52 W	104 0 39.82
	1064.00	0.11	296.14	1063.96	2.12	2.09	-6.25	0.08	440839.55	641008.10	N 32 12 41.52 W	104 0 39.82
	1246.00	0.21	113.05	1245.96	2.07	2.04	-6.10	0.18	440839.50	641008.25	N 32 12 41.52 W	104 0 39.82
	1339.00	0.05	314.46	1338.96	2.03	2.00	-5.97	0.28	440839.46	641008.38	N 32 12 41.52 W	104 0 39.82
	1430.00	0.09	212.67	1429.96	2.00	1.97	-6.04	0.12	440839.43	641008.31	N 32 12 41.52 W	104 0 39.82
	1523.00	0.09	214.63	1522.96	1.88	1.85	-6.12	0.00	440839.31	641008.23	N 32 12 41.52 W	104 0 39.82
	1614.00	0.08	207.61	1613.96	1.76	1.73	-6.19	0.02	440839.19	641008.16	N 32 12 41.52 W	104 0 39.82
	1710.00	0.05	221.61	1709.96	1.67	1.64	-6.25	0.04	440839.10	641008.10	N 32 12 41.52 W	104 0 39.82
	1805.00	0.12	239.10	1804.96	1.59	1.56	-6.36	0.08	440839.02	641007.99	N 32 12 41.52 W	104 0 39.82
	1900.00	0.09	7.27	1899.96	1.61	1.58	-6.44	0.20	440839.04	641007.91	N 32 12 41.52 W	104 0 39.82
	1996.00	0.12	309.00	1995.96	1.75	1.72	-6.50	0.11	440839.18	641007.85	N 32 12 41.52 W	104 0 39.82
	2091.00	0.56	96.83	2090.95	1.76	1.73	-6.12	0.70	440839.19	641008.23	N 32 12 41.52 W	104 0 39.82
	2281.00	0.09	316.21	2280.95	1.75	1.72	-5.30	0.33	440839.18	641009.05	N 32 12 41.52 W	104 0 39.81
	2376.00	0.24	65.49	2375.95	1.89	1.86	-5.17	0.30	440839.32	641009.18	N 32 12 41.52 W	104 0 39.81
	2471.00	1.44	117.48	2470.94	1.41	1.39	-3.93	1.37	440838.85	641010.42	N 32 12 41.52 W	104 0 39.79
	2565.00	2.57	137.70	2564.88	-0.70	-0.71	-1.47	1.40	440836.75	641012.88	N 32 12 41.49 W	104 0 39.77
	2660.00	1.44	127.09	2659.82	-3.01	-3.01	0.92	1.25	440834.45	641015.27	N 32 12 41.47 W	104 0 39.74
	2756.00	0.01	313.31	2755.81	-3.74	-3.73	1.88	1.51	440833.73	641016.23	N 32 12 41.46 W	104 0 39.73
	2851.00	0.07	288.23	2850.81	-3.71	-3.71	1.81	0.06	440833.76	641016.16	N 32 12 41.46 W	104 0 39.73
	2946.00	0.02	55.47	2945.81	-3.69	-3.68	1.77	0.09	440833.78	641016.12	N 32 12 41.47 W	104 0 39.73
	3041.00	0.10	233.77	3040.81	-3.73	-3.72	1.72	0.13	440833.74	641016.07	N 32 12 41.46 W	104 0 39.73
	3137.00	0.16	315.35	3136.81	-3.68	-3.67	1.56	0.18	440833.79	641015.91	N 32 12 41.47 W	104 0 39.73
	3232.00	0.12	106.50	3231.81	-3.61	-3.61	1.56	0.29	440833.86	641015.91	N 32 12 41.47 W	104 0 39.73
	3328.00	0.07	6.83	3327.81	-3.58	-3.58	1.66	0.15	440833.88	641016.01	N 32 12 41.47 W	104 0 39.73
	3423.00	0.10	80.28	3422.81	-3.51	-3.50	1.75	0.11	440833.96	641016.10	N 32 12 41.47 W	104 0 39.73
	3518.00	0.10	204.05	3517.81	-3.57	-3.57	1.80	0.19	440833.89	641016.15	N 32 12 41.47 W	104 0 39.73
	3709.00	0.02	165.69	3708.81	-3.76	-3.75	1.74	0.04	440833.71	641016.09	N 32 12 41.46 W	104 0 39.73
	3804.00	0.11	39.90	3803.81	-3.71	-3.70	1.80	0.13	440833.76	641016.15	N 32 12 41.46 W	104 0 39.73
	3994.00	0.13	25.37	3993.81	-3.37	-3.36	2.01	0.02	440834.10	641016.36	N 32 12 41.47 W	104 0 39.73
	4090.00	0.09	177.52	4089.81	-3.35	-3.34	2.06	0.22	440834.12	641016.41	N 32 12 41.47 W	104 0 39.72
	4185.00	0.07	88.19	4184.81	-3.42	-3.41	2.12	0.12	440834.05	641016.47	N 32 12 41.47 W	104 0 39.72
	4280.00	0.13	265.82	4279.81	-3.43	-3.42	2.07	0.21	440834.04	641016.42	N 32 12 41.47 W	104 0 39.72
	4376.00	0.07	123.87	4375.81	-3.47	-3.46	2.01	0.20	440834.00	641016.36	N 32 12 41.47 W	104 0 39.72
	4471.00	0.09	80.92	4470.81	-3.50	-3.49	2.14	0.05	440833.97	641016.39	N 32 12 41.47 W	104 0 39.72
	4566.00	0.10	159.33	4565.81	-3.58	-3.57	2.24	0.11	440833.89	641016.58	N 32 12 41.47 W	104 0 39.89
	4661.00	0.09	32.86	4660.81	-3.59	-3.58	2.31	0.18	440833.88	641016.66	N 32 12 41.47 W	104 0 39.72
	4757.00	0.06	74.57	4756.81	-3.52	-3.51	2.40	0.06	440833.95	641016.75	N 32 12 41.47 W	104 0 39.72
	4853.00	0.09	262.32	4852.81	-3.51	-3.50	2.37	0.16	440833.96	641016.72	N 32 12 41.47 W	104 0 39.72
	4948.00	0.13	201.74	4947.81	-3.62	-3.61	2.26	0.12	440833.85	641016.61	N 32 12 41.47 W	104 0 39.72
	5139.00	0.16	235.18	5138.81	-3.98	-3.97	1.96	0.05	440833.49	641016.31	N 32 12 41.46 W	104 0 39.73
	5329.00	0.14	278.53	5328.81	-4.10	-4.09	1.51	0.06	440833.37	641015.86	N 32 12 41.46 W	104 0 39.73
	5424.00	0.12	302.35	5423.81	-4.03	-4.02	1.31	0.06	440833.44	641015.66	N 32 12 41.46 W	104 0 39.73
	5519.00	0.11	234.83	5518.81	-4.03	-4.02	1.15	0.13	440833.44	641015.50	N 32 12 41.46 W	104 0 39.74
	5614.00	0.15	223.10	5613.81	-4.17	-4.17	0.99	0.05	440833.29	641015.34	N 32 12 41.46 W	104 0 39.74
	5710.00	0.11	293.16	5709.81	-4.23	-4.22	0.82	0.16	440833.24	641015.17	N 32 12 41.46 W	104 0 39.74
	5900.00	0.10	202.92	5899.81	-4.31	-4.30	0.59	0.08	440833.16	641014.94	N 32 12 41.46 W	104 0 39.74
	5994.00	0.07	257.84	5993.81	-4.39	-4.39	0.50	0.09	440833.07	641014.85	N 32 12 41.46 W	104 0 39.74
	6090.00	0.08	273.54	6089.81	-4.40	-4.40	0.38	0.02	440833.06	641014.73	N 32 12 41.46 W	104 0 39.74
	6184.00	0.07	215.06	6183.81	-4.44	-4.44	0.28	0.08	440833.02	641014.63	N 32 12 41.46 W	104 0 39.75
	6279.00	0.21	197.26	6278.81	-4.66	-4.66	0.20	0.15	440832.80	641014.55	N 32 12 41.46 W	104 0 39.75
	6373.00	0.26	196.07	6372.81	-5.03	-5.03	0.09	0.05	440832.43	641014.44	N 32 12 41.45 W	104 0 39.75
	6469.00	0.47	218.43	6468.81	-5.54	-5.54	-0.22	0.26	440831.92	641014.13	N 32 12 41.45 W	104 0 39.75
	6564.00	1.78	221.48	6563.79	-6.95	-6.95	-1.44	1.38	440830.51	641012.91	N 32 12 41.43 W	104 0 39.77
	6659.00	2.35	215.95	6658.72	-9.62	-9.64	-3.56	0.63	440827.82	641010.79	N 32 12 41.41 W	104 0 39.79
	6754.00	2.80	202.53	6753.63	-13.33	-13.36	-5.59	0.79	440824.10	641008.76	N 32 12 41.37 W	104 0 39.81
	6849.00	3.16	193.46	6848.50	-18.01	-18.05	-7.09	0.62	440819.42	641007.26	N 32 12 41.32 W	104 0 39.83
	7040.00	4.02	185.31	7039.12	-29.79	-29.83	-8.94	0.52	440807.63	641005.42	N 32 12 41.21 W	104 0 39.85

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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 ° ' ")
	7135.00	5.04	179.43	7133.83	-37.27	-37.32	-9.20	1.18	440800.14	641005.15	N 32 12 41.13 W 104	0 39.86
	7231.00	4.96	192.41	7229.46	-45.54	-45.59	-10.05	1.18	440791.87	641004.30	N 32 12 41.05 W 104	0 39.87
	7326.00	5.56	190.34	7324.06	-54.07	-54.13	-11.76	0.66	440783.33	641002.59	N 32 12 40.97 W 104	0 39.89
	7421.00	7.24	181.58	7418.47	-64.57	-64.64	-12.75	2.04	440772.82	641001.60	N 32 12 40.86 W 104	0 39.90
	7516.00	8.48	181.20	7512.58	-77.56	-77.63	-13.06	1.31	440759.84	641001.29	N 32 12 40.73 W 104	0 39.90
	7612.00	9.62	184.12	7607.38	-92.63	-92.71	-13.79	1.28	440744.76	641000.56	N 32 12 40.58 W 104	0 39.91
	7707.00	9.55	185.34	7701.05	-108.39	-108.47	-15.09	0.23	440729.09	640999.26	N 32 12 40.43 W 104	0 39.93
	7801.00	9.88	183.88	7793.71	-124.19	-124.28	-16.36	0.44	440713.19	640997.99	N 32 12 40.27 W 104	0 39.94
	7896.00	10.26	189.43	7887.25	-140.66	-140.76	-18.30	1.10	440696.05	640996.05	N 32 12 40.11 W 104	0 39.97
	7992.00	11.45	197.11	7981.53	-158.18	-158.30	-22.51	1.95	440679.17	640991.85	N 32 12 39.94 W 104	0 40.02
	8087.00	12.46	201.14	8074.47	-176.72	-176.87	-28.98	1.38	440660.60	640985.38	N 32 12 39.75 W 104	0 40.09
	8182.00	9.51	197.88	8167.56	-194.03	-194.22	-35.18	2.76	440643.26	640979.17	N 32 12 39.58 W 104	0 40.17
	8277.00	11.00	192.72	8261.08	-210.63	-210.84	-39.69	1.51	440626.64	640974.66	N 32 12 39.42 W 104	0 40.22
	8372.00	12.09	198.23	8354.16	-228.91	-229.15	-44.73	1.57	440608.33	640969.62	N 32 12 39.24 W 104	0 40.28
	8466.00	12.54	198.04	8446.00	-247.95	-248.21	-50.94	0.49	440589.27	640963.42	N 32 12 39.05 W 104	0 40.35
	8562.00	12.94	199.15	8531.24	-268.03	-268.33	-57.53	0.42	440569.15	640956.83	N 32 12 38.85 W 104	0 40.43
	8656.00	13.05	189.76	8624.78	-287.99	-288.33	-64.25	0.27	440549.16	640950.10	N 32 12 38.65 W 104	0 40.51
	8752.00	11.75	190.14	8737.56	-308.85	-309.21	-71.16	1.37	440528.27	640944.72	N 32 12 38.44 W 104	0 40.57
	8847.00	12.38	193.23	8817.56	-328.92	-329.31	-78.16	0.95	440508.18	640941.20	N 32 12 38.25 W 104	0 40.61
	8942.00	13.09	191.60	8902.76	-348.33	-348.74	-85.22	0.42	440488.75	640937.17	N 32 12 38.05 W 104	0 40.65
	9038.00	12.82	192.20	9016.68	-368.41	-368.86	-92.01	0.37	440474.63	640928.13	N 32 12 37.85 W 104	0 40.71
	9133.00	13.10	192.69	9126.15	-400.37	-400.85	-99.01	0.50	440459.64	640924.34	N 32 12 37.65 W 104	0 40.81
	9228.00	10.51	193.64	9236.15	-433.03	-433.54	-106.01	1.12	440446.15	640921.44	N 32 12 37.44 W 104	0 40.84
	9323.00	1.74	312.79	9331.31	-440.48	-441.00	-98.95	12.06	440430.96	640918.52	N 32 12 37.21 W 104	0 40.88
	9418.00	8.28	350.72	9428.91	-432.90	-433.43	-101.07	7.52	440416.51	640915.41	N 32 12 37.14 W 104	0 40.92
	9513.00	9.42	350.57	9494.78	-431.22	-431.76	-101.34	10.40	440404.07	640913.29	N 32 12 37.22 W 104	0 40.94
	9608.00	18.26	350.04	9577.23	-411.19	-411.74	-104.79	10.40	440405.74	640913.01	N 32 12 37.23 W 104	0 40.94
	9703.00	30.10	4.85	9662.91	-373.02	-373.58	-105.35	14.06	440425.76	640908.56	N 32 12 37.43 W 104	0 40.98
	9798.00	38.07	21.05	9727.59	-330.99	-331.49	-95.02	15.41	440463.91	640909.01	N 32 12 37.81 W 104	0 40.99
	9893.00	40.04	23.79	9740.79	-321.12	-321.60	-90.93	15.41	440506.00	640919.34	N 32 12 38.22 W 104	0 40.87
	9988.00	44.28	22.47	9811.20	-262.61	-262.96	-65.82	4.56	440515.89	640923.43	N 32 12 38.32 W 104	0 40.82
	10083.00	46.41	21.08	9826.20	-248.55	-248.86	-60.29	10.99	440574.52	640948.44	N 32 12 38.90 W 104	0 40.53
	10178.00	53.75	16.99	9872.81	-195.99	-196.21	-42.24	10.99	440588.62	640954.06	N 32 12 39.04 W 104	0 40.46
	10273.00	61.47	9.17	9923.18	-118.86	-118.99	-24.54	10.80	440641.27	640972.12	N 32 12 39.56 W 104	0 40.25
	10368.00	72.80	4.97	9960.05	-32.20	-32.27	-13.91	12.60	440718.48	640989.82	N 32 12 40.32 W 104	0 40.04
	10463.00	85.02	0.27	9978.29	60.70	60.65	-9.74	13.75	440805.19	641000.44	N 32 12 41.18 W 104	0 39.91
	10558.00	88.33	359.01	9983.75	154.53	154.48	-10.33	3.77	440898.11	641004.61	N 32 12 42.10 W 104	0 39.86
	10653.00	88.83	358.00	9985.23	214.50	214.44	-11.90	1.88	440991.93	641004.02	N 32 12 43.03 W 104	0 39.86
	10748.00	89.28	357.23	9986.77	307.42	307.35	-15.77	0.96	441051.88	641002.45	N 32 12 43.62 W 104	0 39.88
	10843.00	89.59	357.24	9987.68	400.33	400.23	-20.25	0.33	441144.78	640998.58	N 32 12 44.54 W 104	0 39.92
	10938.00	89.55	357.57	9988.37	492.26	492.14	-24.42	0.36	441239.55	640994.10	N 32 12 45.46 W 104	0 39.97
	11033.00	89.76	358.11	9989.84	584.22	584.09	-27.14	1.65	441328.93	640988.93	N 32 12 46.37 W 104	0 40.02
	11128.00	89.96	0.57	9989.17	676.22	676.09	-27.40	1.58	441423.50	640987.21	N 32 12 47.30 W 104	0 40.04
	11223.00	89.65	0.00	9989.49	773.22	773.09	-26.93	0.89	441516.49	640987.42	N 32 12 48.22 W 104	0 40.04
	11318.00	89.69	359.24	9990.02	866.21	866.08	-27.55	0.82	441610.48	640987.42	N 32 12 49.15 W 104	0 40.04
	11413.00	89.83	359.81	9990.41	959.21	959.08	-28.32	0.63	441703.47	640986.80	N 32 12 50.07 W 104	0 40.04
	11508.00	90.14	1.10	9990.44	1051.20	1051.07	-27.59	1.44	441796.46	640986.03	N 32 12 50.99 W 104	0 40.05
	11603.00	90.44	1.36	9989.97	1144.17	1144.05	-25.60	0.43	441888.45	640986.76	N 32 12 51.90 W 104	0 40.03
	11698.00	89.96	1.08	9989.64	1237.13	1237.03	-23.62	0.60	441981.42	640986.76	N 32 12 52.82 W 104	0 40.01
	11793.00	90.27	2.17	9989.45	1330.08	1329.99	-20.98	1.22	442074.39	640980.74	N 32 12 53.74 W 104	0 39.98
	11888.00	90.14	1.24	9989.12	1423.02	1422.95	-18.21	1.01	442167.34	640993.37	N 32 12 54.66 W 104	0 39.95
	11983.00	90.31	1.68	9988.75	1517.98	1517.91	-15.79	0.50	442260.29	640996.14	N 32 12 55.58 W 104	0 39.91
	12078.00	90.17	1.84	9988.36	1611.91	1611.87	-12.90	0.23	442355.25	640998.56	N 32 12 56.52 W 104	0 39.88
	12173.00	90.14	2.05	9988.10	1706.84	1706.81	-9.68	0.22	442449.20	641001.45	N 32 12 57.45 W 104	0 39.84
	12268.00	90.14	1.67	9987.87	1800.77	1800.76	-6.63	0.40	442544.13	641004.67	N 32 12 58.39 W 104	0 39.80
	12363.00	90.24	358.66	9987.55	1895.76	1895.75	-6.36	3.17	442638.08	641007.72	N 32 12 59.32 W 104	0 39.76
	12458.00	90.20	359.52	9987.19	1989.75	1989.74	-7.85	0.92	442733.06	641008.00	N 32 13 0.26 W 104	0 39.76
	12553.00	90.10	359.69	9986.95	2083.75	2083.74	-8.50	0.21	442827.04	641006.50	N 32 13 1.19 W 104	0 39.77
	12648.00	90.20	359.64	9986.70	2178.75	2178.73	-9.05	0.12	442921.03	641005.85	N 32 13 2.12 W 104	0 39.78
	12743.00	90.41	359.87	9986.20	2272.75	2272.72	-10.19	0.75	443016.02	641005.30	N 32 13 3.06 W 104	0 39.78
	12838.00	90.14	358.81	9985.75	2366.74	2366.71	-12.01	0.33	443110.00	641004.16	N 32 13 3.99 W 104	0 39.79
	12933.00	90.17	359.39	9985.43	2461.69	2461.69	-13.50	0.61	443203.97	641002.34	N 32 13 4.92 W 104	0 39.81
	13028.00	89.90	358.64	9985.10	2556.72	2556.68	-15.14	0.84	443298.95	641000.85	N 32 13 5.86 W 104	0 39.82
	13123.00	90.14	359.47	9984.75	2651.72	2651.66	-16.69	0.92	443393.93	641000.85	N 32 13 6.80 W 104	0 39.84
	13218.00	90.10	359.70	9984.40	2746.72	2746.66	-17.38	0.25	443487.91	640999.21	N 32 13 7.73 W 104	0 39.85
	13313.00	90.27	0.09	9984.05	2841.71	2841.66	-17.55	0.45	443582.90	640997.66	N 32 13 8.67 W 104	0 39.86
	13408.00	90.14	359.40	9983.70	2936.71	2936.66	-17.97	0.74	443676.89	640996.80	N 32 13 9.60 W 104	0 39.85
	13503.00	90.31	359.65	9983.35	3031.71	3031.66	-18.75	0.32	443771.88	640996.38	N 32 13 10.54 W 104	0 39.86
	13598.00	90.20	359.54	9983.00	3126.71	3126.65	-19.42	0.16	443865.87	640995.60	N 32 13 11.47 W 104	0 39.86
	13693.00	90.14	359.69	9982.65	3221.71	3221.65	-20.06	0.17	443960.86	640994.93	N 32 13 12.41 W 104	0 39.87
	13788.00	89.38	358.96	9982.30	3316.71	3316.64	-21.17	1.12	444055.85	640994.29	N 32 13 13.35 W 104	0 39.87
	13883.00	89.93	359.28	9981.95	3411.71	3411.64	-22.61	0.68	444149.83	640993.18	N 32 13 14.28 W 104	0 39.88
	13978.00	90.00	359.16	9981.60	3506.71	3506.62	-23.90	0.15	444243.81	640991.74	N 32 13 15.21 W 104	0 39.89
	14073.00	90.34	358.88	9981.25	3601.68	3601.59	-25.51	0.47	444338.79	640990.45	N 32 13 16.15 W 104	0 39.90
	14168.00	90.31	358.99	9980.90	3696.68	3696.59	-27.28	0.12	444432.77	640988.84	N 32 13 17.08 W 104	0 39.92
	14263.00	90.03	359.70	9980.55	3791.67	3791.58	-29.07	0.43	444527.74	640987.07	N 32 13 18.02 W 104	0 39.94
	14358.00	90.34	359.44	9980.20	3886.67	3886.58	-28.36	0.80	444622.73	640985.99	N 32 13 18.96 W 104	0 39.95
	14453.00	90.20	359.23	9979.85	3981.67	3981.57	-3					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° °')	Longitude (E/W ° °')
	17032.00	88.90	359.25	9992.66	6806.47	6806.56	-0.84	0.56	447643.46	641013.51	N 32 13 48.85 W 104	0 39.52
	17126.00	89.76	359.34	9993.76	6900.46	6900.54	-1.99	0.92	447737.44	641012.36	N 32 13 49.78 W 104	0 39.53
	17220.00	90.33	358.77	9993.68	6994.45	6994.53	-3.54	0.86	447831.42	641010.81	N 32 13 50.71 W 104	0 39.55
	17314.00	90.37	0.10	9993.11	7088.45	7088.52	-4.47	1.42	447925.40	641009.88	N 32 13 51.64 W 104	0 39.55
	17408.00	90.19	358.47	9992.65	7182.44	7182.51	-5.64	1.74	448019.38	641008.71	N 32 13 52.57 W 104	0 39.56
	17502.00	90.09	359.09	9992.42	7276.43	7276.49	-7.64	0.67	448113.35	641006.71	N 32 13 53.50 W 104	0 39.58
	17597.00	89.95	359.01	9992.39	7371.42	7371.47	-9.22	0.17	448208.33	641005.13	N 32 13 54.44 W 104	0 39.60
	17691.00	90.09	358.67	9992.36	7465.41	7465.45	-11.12	0.39	448302.31	641003.23	N 32 13 55.37 W 104	0 39.62
	17785.00	90.37	359.04	9991.98	7559.40	7559.43	-13.00	0.49	448396.28	641001.35	N 32 13 56.30 W 104	0 39.64
	17879.00	90.16	358.98	9991.54	7653.39	7653.42	-14.62	0.23	448490.26	640999.73	N 32 13 57.23 W 104	0 39.65
	17974.00	89.75	358.06	9991.62	7748.37	7748.39	-17.08	1.06	448585.21	640997.27	N 32 13 58.17 W 104	0 39.68
	18068.00	89.95	359.21	9991.86	7842.35	7842.36	-19.32	1.24	448679.18	640995.03	N 32 13 59.10 W 104	0 39.70
	18163.00	90.30	358.07	9991.66	7937.33	7937.33	-21.57	1.26	448774.14	640992.78	N 32 14 0.04 W 104	0 39.72
	18258.00	90.19	359.33	9991.25	8032.32	8032.30	-23.73	1.33	448869.11	640990.62	N 32 14 0.98 W 104	0 39.74
	18352.00	89.64	358.93	9991.39	8126.31	8126.29	-25.15	0.72	448963.09	640989.20	N 32 14 1.91 W 104	0 39.76
	18446.00	89.68	359.05	9991.95	8220.30	8220.27	-26.81	0.13	449057.06	640987.54	N 32 14 2.84 W 104	0 39.77
	18541.00	89.40	359.01	9992.71	8315.29	8315.26	-28.42	0.30	449152.04	640985.93	N 32 14 3.78 W 104	0 39.79
	18635.00	89.64	358.62	9993.50	8409.28	8409.23	-30.36	0.49	449246.01	640983.99	N 32 14 4.71 W 104	0 39.81
	18730.00	89.57	358.37	9994.15	8504.25	8504.20	-32.86	0.27	449340.97	640981.49	N 32 14 5.65 W 104	0 39.83
	18824.00	89.85	358.99	9994.63	8598.24	8598.17	-35.02	0.72	449434.93	640979.33	N 32 14 6.58 W 104	0 39.86
	18919.00	89.71	358.89	9994.99	8693.23	8693.15	-36.78	0.18	449529.91	640977.57	N 32 14 7.52 W 104	0 39.87
	19013.00	89.68	358.77	9995.49	8787.22	8787.13	-38.70	0.13	449623.88	640975.65	N 32 14 8.45 W 104	0 39.89
	19107.00	89.64	357.62	9996.05	8881.18	8881.08	-41.66	1.22	449717.82	640972.69	N 32 14 9.38 W 104	0 39.92
	19202.00	90.16	359.09	9996.22	8976.15	8976.04	-44.39	1.64	449812.77	640969.97	N 32 14 10.32 W 104	0 39.95
	19296.00	90.26	359.16	9995.87	9070.15	9070.03	-45.82	0.13	449906.73	640968.53	N 32 14 11.25 W 104	0 39.97
	19390.00	89.95	359.10	9995.70	9164.14	9164.02	-47.25	0.34	450000.75	640967.10	N 32 14 12.18 W 104	0 39.98
	19485.00	90.16	359.06	9995.61	9259.14	9259.01	-48.78	0.23	450095.71	640965.58	N 32 14 13.12 W 104	0 39.99
	19579.00	90.19	359.06	9995.32	9353.13	9352.99	-50.32	0.03	450189.69	640964.04	N 32 14 14.05 W 104	0 40.01
	19674.00	90.23	359.11	9994.97	9448.12	9447.98	-51.84	0.07	450284.67	640962.52	N 32 14 14.99 W 104	0 40.02
	19768.00	90.06	358.72	9994.74	9542.11	9541.96	-53.62	0.45	450378.65	640960.74	N 32 14 15.92 W 104	0 40.04
	19956.00	90.13	358.72	9994.42	9730.09	9729.92	-57.82	0.04	450566.58	640956.54	N 32 14 17.78 W 104	0 40.08
	20051.00	89.92	359.26	9994.38	9825.08	9824.90	-59.49	0.61	450661.56	640954.87	N 32 14 18.72 W 104	0 40.10
	20146.00	90.40	358.94	9994.12	9920.07	9919.89	-60.98	0.61	450756.54	640953.37	N 32 14 19.66 W 104	0 40.11
100' FNL Crossed	20318.00	90.68	358.94	9992.49	10092.05	10091.85	-64.16	0.16	450928.49	640950.19	N 32 14 21.36 W 104	0 40.14
	20335.00	90.71	358.94	9992.29	10109.05	10108.85	-64.48	0.16	450945.48	640949.88	N 32 14 21.53 W 104	0 40.15
Final MWD	20354.00	89.99	358.89	9992.17	10128.04	10127.84	-64.84	3.80	450964.48	640949.52	N 32 14 21.72 W 104	0 40.15
Proj to TD	20397.00	89.99	358.89	9992.18	10171.04	10170.84	-65.67	0.00	451007.47	640948.68	N 32 14 22.14 W 104	0 40.16

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/98.425	26.400	26.400 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 32H Gyro + MWD 0-20397MD
	1	25.000	25.000	Act Stns	26.400	26.400 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 32H Gyro + MWD 0-20397MD
	1	25.000	438.000	Act Stns	26.400	26.400 GYD_GC+DROP+OH	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 32H Gyro + Original Borehole / Oxy Oxbow
	1	438.000	20397.000	Act Stns	26.400	26.400 A010Mb_MWD+IFR1+SAG+MS	CC 17-8 Federal Com 32H Gyro + MWD 0-20397MD

...Original Borehole\Oxy Oxbow CC 17-8 Federal Com 32H Gyro + MWD 0-20397MD

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Cabinet Secretary

Adrienne E. Sandoval, Director
Oil Conservation Division



October 10, 2019

Ms. Jana Mendiola
janalyn_mendiola@oxy.com

NON-STANDARD LOCATION

Administrative Order NSL-7941

**Oxy USA, Inc. [OGRID 16696]
Oxbow CC 17 8 Federal Com Well No. 032H
API No. 30-015-45084**

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	432 FSL & 1258 FWL	M	17	24S	29E	Eddy
First Take Point	100 FSL & 1260 FWL	M	17	24S	29E	Eddy
Last Take Point	100 FNL & 1260 FWL	D	8	24S	29E	Eddy
Terminus	20 FNL & 1260 FWL	D	8	24S	29E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
W2 of Section 17	640	Purple Sage; Wolfcamp (GAS)	98220
W2 of Section 8			

Reference is made to your application received on September 18, 2019.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the northern and southern edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 20, encroachment to the NW/4
Section 5, encroachment to the SW/4

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Oxy USA, Inc.
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Page 2 of 2

The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches.

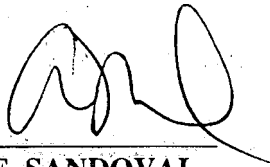
Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the W2 of Section 17 and Section 8.

Your application has been filed under Subsection 6 of Paragraph of Section (C) of 19.15.16.15 NMAC, 19.15.15.13 NMAC and Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

Per Subsection B of 19.15.15.13 NMAC, Division approves this unorthodox location.

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.



ADRIENNE E. SANDOVAL
Division Director

AES/lrl

cc: Oil Conservation Division – Artesia District Office
Bureau of Land Management – Carlsbad Field Office