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 Dr.
Santa Fe, NM 87505

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

☑ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-46399	98220	Purple Sage Wolfcamp

Property Code	Property Name	Well Number
321601	SALT FLAT CC "20_29" FEDERAL COM	38H

OGRID No.	Operator Name	Elevation
16696	OXY USA INC.	2935.2'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	24 SOUTH	29 EAST, N.M.P.M.		435'	SOUTH	1835'	WEST	EDDY

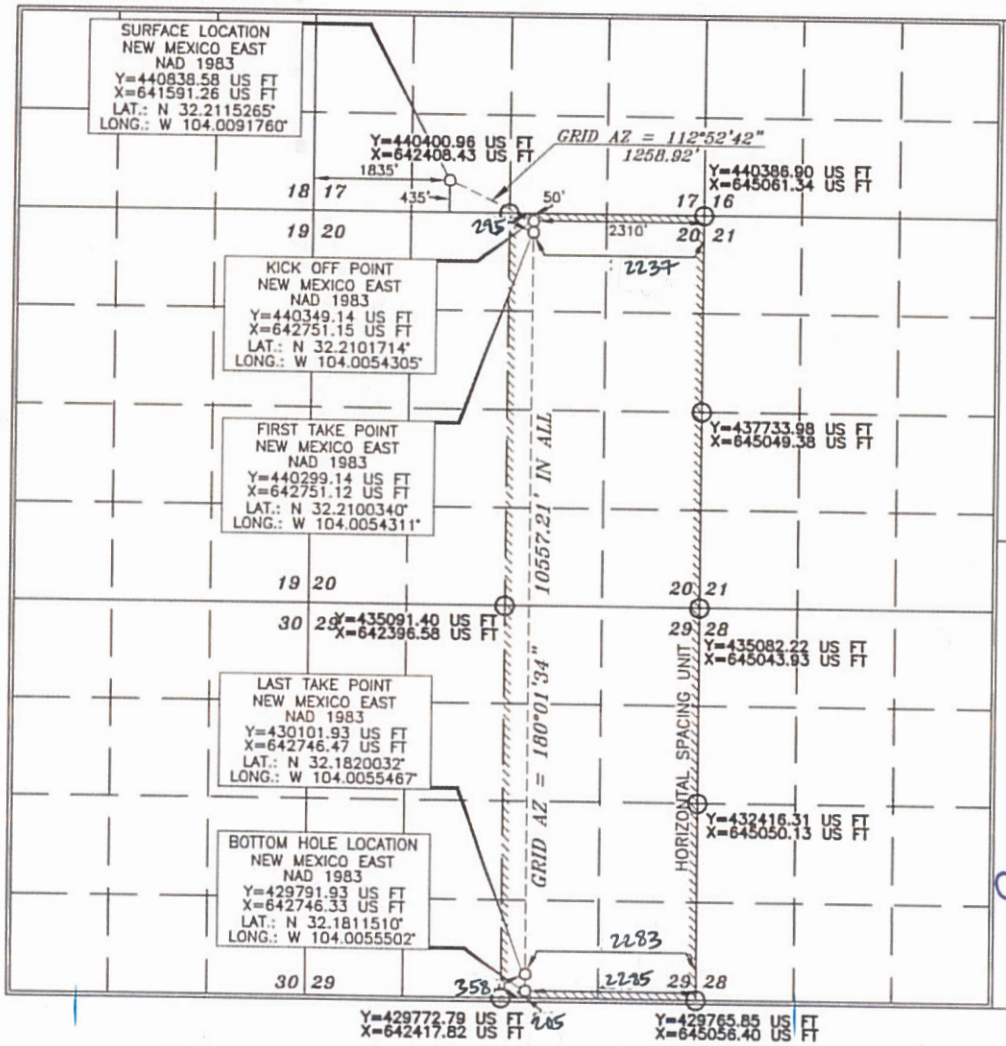
Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	29	24 SOUTH	29 EAST, N.M.P.M.		~~20'~~ 205	SOUTH	~~2310'~~ 2285	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640	Y		NSL-7951

FTP - 295 FNL 2237 FEL
LTP - 358 FSL 2283 FEL

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 by the division.

Signature — Date: 2/12/2020

Jana Mendiola
Printed Name

janalyn_mendiola@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

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

NEW MEXICO — TERRY J. ASEL — 15079 — PROFESSIONAL LAND SURVEYOR

NOVEMBER 29, 2018
Date of Survey

Signature and Seal of Professional Surveyor

Terry Asel 10/10/2019
Certificate Number 15079

WO# 181129WL-c-XY (Rev. B) (KA)

Intent [ ] As Drilled [X]

API #
30-015-46399

Operator Name:	Property Name:	Well Number
OXY USA INC.	SALT FLAT CC 20-29 FEDERAL COM	38H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	20	24S	29E		303	N	2408	E	EDDY

Latitude	Longitude	NAD
32.21116	-104.00580	NAD83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	20	24S	29E		295	N	2237	E	EDDY

Latitude	Longitude	NAD
32.20951	-104.00525	NAD83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	29	24S	29E		358	S	2283	E	EDDY

Latitude	Longitude	NAD
32.18209	-104.00550	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 20, 2020

Oxy USA Incorporated
5 Greenway Plaza, Suite 110
Houston, TX 77046

Re:

S17, T24S, R29E, Eddy, NM
N32.21153 W -104.00918

CLIENT: Oxy USA Incorporated
WELL: Salt Flat CC 20-29 Fed Com 38H
FIELD: Purpl Sage Wolfcamp

RIG: H&P 556
COUNTY: Eddy
API NO: 30-015-46399
JOB NO: 19MLH0340

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.

Name & Title of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Cody Jacks FE	Salt Flat CC 20-29 Fed Com 38H Original Hole	572.00 Ft 20458.00 Ft	November 20, 2019 to December 18, 2019	Extreme 3rd Party Corrected

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

Well Reference:
S17, T24S, R29E, Eddy, NM
N32.21153 W -104.00918

I, Cody Jacks certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 20, 2019 through December 18, 2019, conduct or supervise the taking of the Extreme & 3rd Party Corrected surveys from a depth of 572.00 feet to a depth of 20458.00 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 Salt Flat CC 20-29 Fed Com 38H Well (Original Hole) API No. 30-015-46399 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
Cody Jacks
FE

Subscribed and Sworn to before me this 20 day of January (month) 2020 (yr)

My Commission expires:
6/14/23

Jean-Paul Langlois (signature)
Notary Public

Comanche, Oklahoma
(County State)

Jean-Paul Langlois
Notary Public in and for
STATE OF OKLAHOMA
Commission #19005986
Expires: June 14, 2023

Final PvA - Rev0

H&P 556 (RKB=30')

Schlumberger

OXY

Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Salt Flat CC 20-29 Federal Com 38H	NM Eddy County (NAD 83)	Oxy Salt Flat CC 20-29 Federal Com 38H

Gravity & Magnetic Parameters

Model:	IFR1	Dip:	59.921°	Date:	18-Nov-2019
MagDec:	6.896°	FS:	47853.6nT	Gravity FS:	998.468mgn (9.80665 Based)

Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet

Lat:	N 32 12 41.50	Northing:	440838.58ftUS	Grid Conv:	0.1728°
Lon:	W 104 0 33.03	Easting:	641591.26ftUS	Scale Fact:	0.9999206

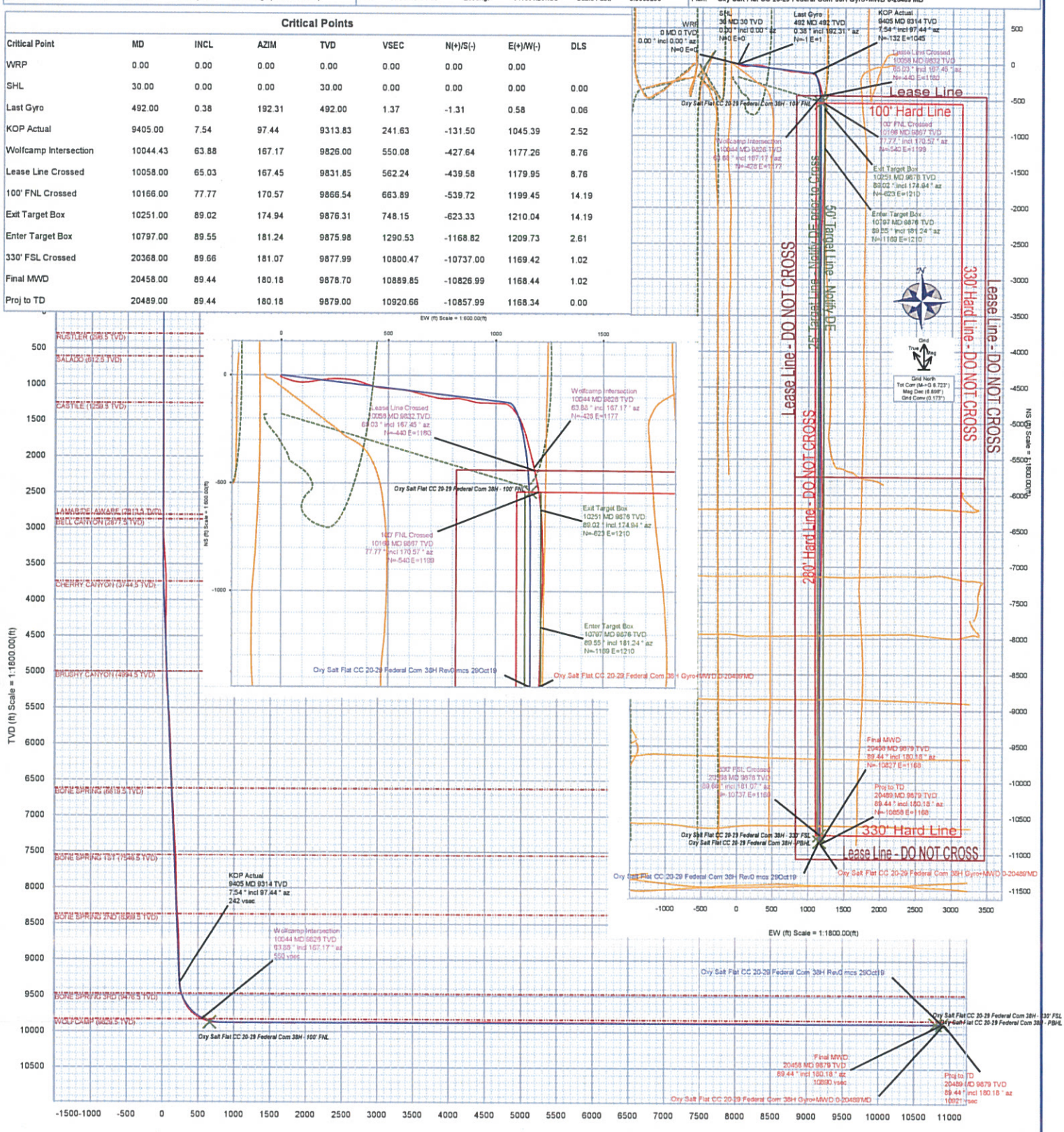
Miscellaneous

Slot: Oxy Salt Flat CC 20-29 Federal Com 38H — TVD Ref: RKB=30'(2965.2ft above MSL)

Plan: Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'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	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00
Last Gyro	492.00	0.38	192.31	492.00	1.37	-1.31	0.58	0.06
KOP Actual	9405.00	7.54	97.44	9313.83	241.63	-131.50	1045.39	2.52
Wolfcamp Intersection	10044.43	63.88	167.17	9826.00	550.08	-427.64	1177.26	8.76
Lease Line Crossed	10058.00	65.03	167.45	9831.85	562.24	-439.58	1179.95	8.76
100' FNL Crossed	10166.00	77.77	170.57	9866.54	663.89	-539.72	1199.45	14.19
Exit Target Box	10251.00	89.02	174.94	9876.31	748.15	-623.33	1210.04	14.19
Enter Target Box	10797.00	89.55	181.24	9875.98	1290.53	-1168.82	1209.73	2.61
330' FSL Crossed	20368.00	89.66	181.07	9877.99	10800.47	-10737.00	1169.42	1.02
Final MWD	20458.00	89.44	180.18	9878.70	10889.85	-10826.99	1168.44	1.02
Proj to TD	20489.00	89.44	180.18	9879.00	10920.66	-10857.99	1168.34	0.00



Schlumberger

Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'MD Survey
Geodetic Report
(Def Survey)

Report Date:	January 21, 2020 - 01:38 PM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	OXY	**Vertical Section Azimuth:**	173.912 ° (Grid North)
Field:	NM Eddy County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Salt Flat CC 20-29 Federal Com 38H / Oxy Salt Flat CC 20-29 Federal Com 38H	**TVD Reference Datum:**	RKB=30'
Well:	Oxy Salt Flat CC 20-29 Federal Com 38H	**TVD Reference Elevation:**	2965.200 ft above MSL
Borehole:	Original Borehole	**Seabed / Ground Elevation:**	2935.200 ft above MSL
UWI / API#:	Unknown / 30-015-46399	**Magnetic Declination:**	6.896 °
Survey Name:	Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'MD	**Total Gravity Field Strength:**	998.4675mgn (9.80665 Based)
Survey Date:	November 19, 2019	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	249.461 ° / 11856.183 ft / 6.788 / 1.200	**Total Magnetic Field Strength:**	47853.600 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.921 °
Location Lat / Long:	N 32° 12' 41.49540", W 104° 0' 33.03361"	**Declination Date:**	November 18, 2019
Location Grid N/E Y/X:	N 440838.576 ftUS, E 641591.260 ftUS	**Magnetic Declination Model:**	IFR1
CRS Grid Convergence Angle:	0.1728 °	**North Reference:**	Grid North
Grid Scale Factor:	0.9999206	**Grid Convergence Used:**	0.1728 °
Version / Patch:	2.10.782.0	**Total Corr Mag North->Grid North:**	6.7232 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440838.58	641591.26	N 32 12 41.50	W 104 0 33.03
SHL	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	440838.58	641591.26	N 32 12 41.50	W 104 0 33.03
	60.80	0.16	295.59	60.80	-0.02	0.02	-0.04	0.52	440838.59	641591.22	N 32 12 41.50	W 104 0 33.03
	87.10	0.10	213.76	87.10	-0.02	0.02	-0.08	0.67	440838.59	641591.18	N 32 12 41.50	W 104 0 33.03
	120.20	0.11	209.77	120.20	0.02	-0.04	-0.12	0.04	440838.54	641591.14	N 32 12 41.50	W 104 0 33.03
	142.70	0.04	199.26	142.70	0.05	-0.06	-0.13	0.32	440838.51	641591.13	N 32 12 41.49	W 104 0 33.04
	172.10	0.10	174.92	172.10	0.08	-0.10	-0.13	0.22	440838.48	641591.13	N 32 12 41.49	W 104 0 33.04
	199.00	0.24	130.23	199.00	0.15	-0.16	-0.09	0.68	440838.42	641591.17	N 32 12 41.49	W 104 0 33.03
	226.10	0.21	125.34	226.10	0.22	-0.22	0.00	0.13	440838.35	641591.26	N 32 12 41.49	W 104 0 33.03
	253.40	0.25	134.81	253.40	0.30	-0.29	0.08	0.20	440838.28	641591.34	N 32 12 41.49	W 104 0 33.03
	284.90	0.32	145.61	284.90	0.43	-0.41	0.18	0.28	440838.16	641591.44	N 32 12 41.49	W 104 0 33.03
	316.40	0.33	140.58	316.40	0.58	-0.56	0.29	0.10	440838.02	641591.55	N 32 12 41.49	W 104 0 33.03
	348.00	0.30	158.14	348.00	0.74	-0.70	0.38	0.32	440837.87	641591.64	N 32 12 41.49	W 104 0 33.03
	379.50	0.23	157.44	379.50	0.88	-0.84	0.43	0.22	440837.74	641591.69	N 32 12 41.49	W 104 0 33.03
	411.00	0.21	122.18	411.00	0.98	-0.93	0.50	0.43	440837.65	641591.76	N 32 12 41.49	W 104 0 33.03
	442.50	0.28	153.22	442.50	1.08	-1.03	0.59	0.47	440837.55	641591.85	N 32 12 41.49	W 104 0 33.03
	474.00	0.37	191.73	474.00	1.25	-1.20	0.60	0.73	440837.38	641591.86	N 32 12 41.48	W 104 0 33.03
Last Gyro	492.00	0.38	192.31	492.00	1.37	-1.31	0.58	0.06	440837.26	641591.84	N 32 12 41.48	W 104 0 33.03
	572.00	0.78	232.28	571.99	1.90	-1.90	0.09	0.68	440836.67	641591.35	N 32 12 41.48	W 104 0 33.03
	630.00	0.15	233.50	629.99	2.15	-2.19	-0.28	1.09	440836.39	641590.98	N 32 12 41.47	W 104 0 33.04
	691.00	0.07	213.20	690.99	2.22	-2.27	-0.37	0.14	440836.31	641590.89	N 32 12 41.47	W 104 0 33.04
	748.00	0.05	272.24	747.99	2.24	-2.30	-0.41	0.11	440836.28	641590.85	N 32 12 41.47	W 104 0 33.04
	840.00	0.05	271.97	839.99	2.23	-2.29	-0.49	0.00	440836.28	641590.77	N 32 12 41.47	W 104 0 33.04
	930.00	0.05	220.60	929.99	2.25	-2.32	-0.56	0.05	440836.25	641590.70	N 32 12 41.47	W 104 0 33.04
	1021.00	0.11	156.39	1020.99	2.36	-2.43	-0.55	0.11	440836.14	641590.71	N 32 12 41.47	W 104 0 33.04
	1112.00	0.11	65.63	1111.99	2.42	-2.48	-0.43	0.17	440836.10	641590.83	N 32 12 41.47	W 104 0 33.04
	1203.00	0.83	150.62	1202.99	3.00	-3.02	-0.03	0.91	440835.56	641591.23	N 32 12 41.47	W 104 0 33.03
	1293.00	0.32	217.06	1292.98	3.78	-3.78	0.14	0.85	440834.79	641591.40	N 32 12 41.46	W 104 0 33.03
	1386.00	0.51	255.49	1385.98	4.03	-4.09	-0.42	0.35	440834.48	641590.84	N 32 12 41.45	W 104 0 33.04
	1476.00	0.48	232.71	1475.98	4.28	-4.42	-1.11	0.22	440834.15	641590.15	N 32 12 41.45	W 104 0 33.05
	1567.00	0.61	203.39	1566.97	4.90	-5.10	-1.60	0.33	440833.48	641589.66	N 32 12 41.44	W 104 0 33.05
	1659.00	0.97	237.23	1658.96	5.68	-5.97	-2.45	0.62	440832.61	641588.81	N 32 12 41.44	W 104 0 33.06
	1753.00	0.31	280.63	1752.96	5.96	-6.35	-3.37	0.82	440832.22	641587.89	N 32 12 41.43	W 104 0 33.07
	1848.00	0.56	297.20	1847.96	5.63	-6.09	-4.04	0.29	440832.48	641587.22	N 32 12 41.44	W 104 0 33.08
	1942.00	0.39	281.88	1941.95	5.28	-5.82	-4.76	0.22	440832.76	641586.50	N 32 12 41.44	W 104 0 33.09
	2037.00	0.64	296.56	2036.95	4.90	-5.51	-5.55	0.30	440833.06	641585.71	N 32 12 41.44	W 104 0 33.10
	2132.00	0.10	301.31	2131.95	4.56	-5.23	-6.09	0.57	440833.34	641585.17	N 32 12 41.44	W 104 0 33.10
	2226.00	0.02	40.54	2225.95	4.50	-5.18	-6.15	0.11	440833.40	641585.11	N 32 12 41.44	W 104 0 33.11
	2321.00	0.08	223.06	2320.95	4.53	-5.22	-6.19	0.11	440833.36	641585.07	N 32 12 41.44	W 104 0 33.11
	2415.00	0.06	329.18	2414.95	4.53	-5.22	-6.26	0.12	440833.36	641585.00	N 32 12 41.44	W 104 0 33.11
	2510.00	0.05	335.17	2509.95	4.44	-5.14	-6.30	0.01	440833.44	641584.96	N 32 12 41.44	W 104 0 33.11
	2604.00	0.13	271.55	2603.95	4.39	-5.10	-6.43	0.12	440833.48	641584.83	N 32 12 41.45	W 104 0 33.11
	2699.00	0.45	233.69	2698.94	4.56	-5.32	-6.83	0.38	440833.26	641584.43	N 32 12 41.44	W 104 0 33.11
	2794.00	0.48	238.19	2793.94	4.92	-5.75	-7.47	0.05	440832.83	641583.79	N 32 12 41.44	W 104 0 33.12
	2888.00	0.07	98.49	2887.94	5.11	-5.97	-7.75	0.57	440832.61	641583.51	N 32 12 41.44	W 104 0 33.12
	2983.00	0.83	114.47	2982.94	5.47	-6.26	-7.07	0.80	440832.32	641584.19	N 32 12 41.43	W 104 0 33.12
	3078.00	3.84	111.58	3077.85	7.30	-7.71	-3.48	3.17	440830.86	641587.78	N 32 12 41.42	W 104 0 33.07
	3172.00	6.44	110.05	3171.46	11.09	-10.68	4.40	2.77	440827.90	641595.66	N 32 12 41.39	W 104 0 32.98
	3267.00	9.14	111.02	3265.58	16.87	-15.21	16.45	2.85	440823.36	641607.71	N 32 12 41.34	W 104 0 32.84
	3362.00	9.64	108.84	3359.30	23.66	-20.49	31.02	0.65	440818.09	641622.28	N 32 12 41.29	W 104 0 32.67
	3457.00	9.75	107.55	3452.95	30.24	-25.48	46.22	0.26	440813.10	641637.47	N 32 12 41.24	W 104 0 32.50
	3552.00	9.84	101.91	3546.56	35.97	-29.58	61.83	1.01	440808.99	641653.09	N 32 12 41.20	W 104 0 32.31
	3646.00	9.47	96.70	3639.23	40.17	-32.14	77.37	1.01	440806.44	641668.62	N 32 12 41.18	W 104 0 32.13
	3741.00	9.67	91.36	3732.91	42.93	-33.24	93.11	0.96	440805.33	641684.36	N 32 12 41.16	W 104 0 31.95
	3836.00	9.99	87.90	3826.52	44.54	-33.13	109.32	0.71	440805.45	641700.57	N 32 12 41.16	W 104 0 31.76
	3930.00	9.86	83.91	3919.11	45.11	-31.98	125.47	0.74	440806.60	641716.72	N 32 12 41.18	W 104 0 31.57
	4025.00	9.84	81.91	4012.71	44.82	-29.97	141.60	0.36	440808.60	641732.85	N 32 12 41.19	W 104 0 31.39
	4120.00	10.10	80.89	4106.28	44.10	-27.51	157.86	0.33	440811.07	641749.11	N 32 12 41.22	W 104 0 31.20
	4215.00	9.79	79.80	4199.85	43.08	-24.76	174.03	0.38	440813.81	641765.28	N 32 12 41.25	W 104 0 31.01
	4404.00	9.60	81.95	4386.15	41.39	-19.71	205.45	0.22	440818.87	641796.69	N 32 12 41.29	W 104 0 30.64
	4498.00	9.65	84.38	4478.83	41.19	-17.84	221.05	0.44	440820.74	641812.30	N 32 12 41.31	W 104 0 30.46
	4593.00	9.68	88.03	4572.48	41.82	-16.79	236.96	0.65	440821.79	641828.20	N 32 12 41.32	W 104 0 30.28
	4688.00	9.79	90.09	4666.11	43.27	-16.53	253.02	0.38	440822.05	641844.26	N 32 12 41.32	W 104 0 30.09
	4782.00	9.80	92.10	4758.74	45.27	-16.83	269.01	0.36	440821.75	641860.24	N 32 12 41.32	W 104 0 29.90
	4877.00	9.91	93.79	4852.34	47.82	-17.67	285.24	0.33	440820.91	641876.48	N 32 12 41.31	W 104 0 29.71
	4972.00	9.59	94.63	4945.97	50.69	-18.85	301.29	0.37	440819.73	641892.52	N 32 12 41.30	W 104 0 29.53
	5067.00	9.79	95.90	5039.62	53.84	-20.32	317.21	0.31	440818.26	641908.44	N 32 12 41.28	W 104 0 29.34
	5161.00	9.71	100.41	5132.26	57.75	-22.57	332.95	0.82	440816.01	641924.19	N 32 12 41.26	W 104 0 29.16
	5256.00	9.81	103.46	5225.88	62.74	-25.90	348.70	0.55	440812.68	641939.94	N 32 12 41.23	W 104 0 28.98
	5350.00	9.54	107.17	5318.55	68.49	-30.07	363.93	0.72	440808.51	641955.17	N 32 12 41.19	W 104 0 28.80
	5445.00	9.48	109.44	5412.24	74.97	-34.99	378.83	0.40	440803.59	641970.06	N 32 12 41.14	W 104 0 28.63
	5540.00	9.82	108.78	5505.90	81.75	-40.21	393.88	0.38	440798.37	641985.11	N 32 12 41.09	W 104 0 28.45
	5634.00	9.69	107.05	5598.54	88.23	-45.11	409.03	0.34	440793.47	642000.26	N 32 12 41.04	W 104 0 28.27
	5729.00	9.70	105.25	5692.18	94.28	-49.55	424.40	0.32	440789.03	642015.62	N 32 12 40.99	W 104 0 28.10
	5824.00	9.59	101.86	5785.84	99.64	-53.29	439.87	0.61	440785.29	642031.09	N 32 12 40.95	W 104 0 27.92
	5918.00	9.79	100.35	5878.50	104.31	-56.33	455.39	0.34	440782.25	642046.61	N 32 12 40.92	W 104 0 27.74
	6013.00	9.81	97.70	5972.11	108.52	-58.87	471.36	0.48	440779.71	642062.58	N 32 12 40.90	W 104 0 27.55

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 ° ' ")
	6107.00	9.66	94.28	6064.76	111.85	-60.53	487.16	0.64	440778.05	642078.38	N 32 12 40.88	W 104 0 27.37
	6202.00	9.78	92.66	6158.40	114.51	-61.50	503.16	0.31	440777.08	642094.38	N 32 12 40.87	W 104 0 27.18
	6297.00	9.64	93.52	6252.04	117.07	-62.36	519.16	0.21	440776.22	642110.38	N 32 12 40.86	W 104 0 26.99
	6391.00	9.66	95.56	6344.71	119.97	-63.61	534.87	0.36	440774.97	642126.08	N 32 12 40.85	W 104 0 26.81
	6485.00	9.63	97.10	6437.38	123.36	-65.34	550.52	0.28	440773.24	642141.74	N 32 12 40.83	W 104 0 26.63
	6580.00	9.70	96.56	6531.03	126.93	-67.24	566.36	0.12	440771.34	642157.57	N 32 12 40.81	W 104 0 26.44
	6675.00	9.61	99.10	6624.69	130.76	-69.41	582.14	0.46	440769.17	642173.35	N 32 12 40.79	W 104 0 26.26
	6770.00	9.68	101.20	6718.34	135.21	-72.21	597.80	0.38	440766.37	642189.01	N 32 12 40.76	W 104 0 26.08
	6864.00	9.25	105.28	6811.06	140.31	-75.74	612.84	0.85	440762.84	642204.05	N 32 12 40.73	W 104 0 25.90
	6959.00	9.21	108.16	6904.83	146.21	-80.12	627.43	0.49	440758.46	642218.64	N 32 12 40.68	W 104 0 25.73
	7053.00	9.31	102.60	6997.61	151.74	-84.12	642.00	0.96	440754.46	642233.21	N 32 12 40.64	W 104 0 25.56
	7148.00	9.42	102.76	7091.34	156.71	-87.52	657.08	0.12	440751.06	642248.29	N 32 12 40.61	W 104 0 25.39
	7242.00	10.16	104.33	7183.98	162.09	-91.27	672.62	0.84	440747.31	642263.82	N 32 12 40.57	W 104 0 25.21
	7337.00	9.42	103.34	7277.59	167.60	-95.14	688.30	0.80	440743.45	642279.50	N 32 12 40.53	W 104 0 25.03
	7432.00	10.04	103.79	7371.22	173.00	-98.90	703.91	0.66	440739.68	642295.11	N 32 12 40.50	W 104 0 24.84
	7526.00	10.10	103.78	7463.78	178.59	-102.82	719.87	0.06	440735.76	642311.07	N 32 12 40.46	W 104 0 24.66
	7621.00	9.92	98.55	7557.33	183.49	-106.02	736.05	0.98	440732.56	642327.25	N 32 12 40.42	W 104 0 24.47
	7715.00	9.93	93.67	7649.93	186.91	-107.74	752.15	0.89	440730.84	642343.35	N 32 12 40.41	W 104 0 24.28
	7810.00	9.72	90.49	7743.53	189.21	-108.34	768.34	0.61	440730.25	642359.54	N 32 12 40.40	W 104 0 24.09
	7905.00	9.96	87.77	7837.14	190.68	-108.09	784.57	0.55	440730.50	642375.77	N 32 12 40.40	W 104 0 23.91
	7999.00	9.99	86.56	7929.72	191.61	-107.28	800.83	0.23	440731.30	642392.03	N 32 12 40.41	W 104 0 23.72
	8094.00	10.18	88.08	8023.25	192.60	-106.51	817.45	0.34	440732.08	642408.64	N 32 12 40.42	W 104 0 23.52
	8188.00	9.67	97.53	8115.85	195.06	-107.26	833.58	1.81	440731.32	642424.77	N 32 12 40.41	W 104 0 23.34
	8283.00	9.55	103.61	8209.52	199.60	-110.16	849.15	1.08	440728.42	642440.34	N 32 12 40.38	W 104 0 23.15
	8377.00	9.97	102.31	8302.16	204.79	-113.73	864.68	0.50	440724.85	642455.87	N 32 12 40.34	W 104 0 22.97
	8472.00	10.33	104.21	8395.67	210.34	-117.58	880.97	0.52	440721.01	642472.16	N 32 12 40.31	W 104 0 22.78
	8566.00	10.74	103.71	8488.09	216.23	-121.72	897.65	0.45	440716.87	642488.83	N 32 12 40.26	W 104 0 22.59
	8661.00	10.60	97.23	8581.45	221.24	-124.92	914.92	1.27	440713.67	642506.10	N 32 12 40.23	W 104 0 22.39
	8756.00	10.63	91.04	8674.82	224.35	-126.18	932.35	1.20	440712.41	642523.53	N 32 12 40.22	W 104 0 22.19
	8850.00	10.26	91.13	8767.27	226.47	-126.50	949.38	0.39	440712.09	642540.57	N 32 12 40.22	W 104 0 21.99
	8945.00	10.14	90.98	8860.76	228.56	-126.81	966.20	0.13	440711.78	642557.38	N 32 12 40.21	W 104 0 21.79
	9040.00	10.14	92.61	8954.28	230.86	-127.33	982.92	0.30	440711.25	642574.10	N 32 12 40.21	W 104 0 21.60
	9134.00	10.43	94.25	9046.77	233.64	-128.34	999.67	0.44	440710.25	642590.85	N 32 12 40.20	W 104 0 21.40
	9229.00	10.35	92.93	9140.21	236.52	-129.41	1016.77	0.26	440709.17	642607.95	N 32 12 40.18	W 104 0 21.20
	9300.00	10.11	93.23	9210.08	238.53	-130.09	1029.36	0.35	440708.50	642620.54	N 32 12 40.18	W 104 0 21.06
KOP Actual	9405.00	7.54	97.44	9313.83	241.63	-131.50	1045.39	2.52	440707.08	642636.57	N 32 12 40.16	W 104 0 20.87
	9499.00	12.63	122.06	9406.39	249.43	-137.76	1060.24	6.98	440700.82	642651.41	N 32 12 40.10	W 104 0 20.70
	9594.00	22.10	138.17	9497.01	270.41	-156.64	1081.01	11.09	440681.94	642672.19	N 32 12 39.91	W 104 0 20.46
	9689.00	27.14	148.88	9583.39	304.59	-188.55	1104.16	7.07	440650.04	642695.33	N 32 12 39.60	W 104 0 20.19
	9784.00	36.65	160.46	9664.03	351.95	-233.96	1124.91	11.86	440604.63	642716.08	N 32 12 39.15	W 104 0 19.95
	9878.00	47.57	164.90	9733.67	413.70	-294.09	1143.39	12.04	440544.51	642734.55	N 32 12 38.55	W 104 0 19.74
	9973.00	57.78	165.56	9791.20	488.28	-367.05	1162.59	10.76	440471.55	642753.76	N 32 12 37.83	W 104 0 19.52
Wolfcamp Intersection	*10044.43*	*63.88*	*167.17*	*9826.00*	*550.08*	*-427.64*	*1177.26*	*8.76*	*440410.97*	*642768.43*	*N 32 12 37.23*	*W 104 0 19.35*
Lease Line Crossed	*10058.00*	*65.03*	*167.45*	*9831.85*	*562.24*	*-439.58*	*1179.95*	*8.76*	*440399.03*	*642771.12*	*N 32 12 37.11*	*W 104 0 19.32*
	10068.00	65.89	167.66	9836.00	571.28	-448.46	1181.91	8.76	440390.15	642773.08	N 32 12 37.02	W 104 0 19.29
	10163.00	77.37	170.41	9865.90	660.96	-536.83	1198.96	12.39	440301.79	642790.12	N 32 12 36.15	W 104 0 19.10
100' FNL Crossed	*10166.00*	*77.77*	*170.57*	*9866.54*	*663.89*	*-539.72*	*1199.45*	*14.19*	*440298.90*	*642790.61*	*N 32 12 36.12*	*W 104 0 19.09*
Exit Target Box	*10251.00*	*89.02*	*174.94*	*9876.31*	*748.15*	*-623.33*	*1210.04*	*14.19*	*440215.29*	*642801.20*	*N 32 12 35.29*	*W 104 0 18.97*
	10257.00	89.82	175.24	9876.37	754.15	-629.31	1210.55	14.19	440209.32	642801.72	N 32 12 35.23	W 104 0 18.97
	10350.00	91.13	178.39	9875.60	847.01	-722.15	1215.72	3.67	440116.48	642806.88	N 32 12 34.31	W 104 0 18.91
	10436.00	89.20	178.38	9875.35	932.74	-808.11	1218.14	2.24	440030.53	642809.31	N 32 12 33.46	W 104 0 18.88
	10527.00	88.08	179.80	9877.51	1023.34	-899.07	1219.59	1.99	439939.58	642810.75	N 32 12 32.56	W 104 0 18.87
	10619.00	91.77	182.46	9877.63	1114.59	-991.03	1217.78	4.94	439847.63	642808.94	N 32 12 31.65	W 104 0 18.90
	10712.00	90.35	183.31	9875.91	1206.43	-1083.89	1213.10	1.78	439754.77	642804.26	N 32 12 30.73	W 104 0 18.95
Enter Target Box	*10797.00*	*89.55*	*181.24*	*9875.98*	*1290.53*	*-1168.82*	*1209.73*	*2.61*	*439669.85*	*642800.89*	*N 32 12 29.89*	*W 104 0 19.00*
	10805.00	89.48	181.04	9876.05	1298.46	-1176.82	1209.57	2.61	439661.85	642800.73	N 32 12 29.81	W 104 0 19.00
	10898.00	89.40	180.99	9876.96	1390.74	-1269.80	1207.92	0.10	439568.88	642799.08	N 32 12 28.89	W 104 0 19.02
	10992.00	90.58	182.20	9876.97	1483.90	-1363.76	1205.30	1.80	439474.93	642796.46	N 32 12 27.96	W 104 0 19.05
	11087.00	90.38	181.82	9876.18	1577.95	-1458.70	1201.97	0.45	439380.00	642793.13	N 32 12 27.03	W 104 0 19.10
	11182.00	88.89	181.55	9876.78	1672.07	-1553.65	1199.18	1.59	439285.05	642790.34	N 32 12 26.09	W 104 0 19.13
	11370.00	91.11	181.76	9876.78	1858.34	-1741.56	1193.75	1.19	439097.16	642784.91	N 32 12 24.23	W 104 0 19.20
	11464.00	89.72	181.37	9876.10	1951.50	-1835.52	1191.18	1.54	439003.21	642782.34	N 32 12 23.30	W 104 0 19.23
	11559.00	90.49	181.87	9875.93	2045.64	-1930.48	1188.50	0.97	438908.25	642779.66	N 32 12 22.36	W 104 0 19.27
	11748.00	90.12	181.90	9874.92	2232.81	-2119.38	1182.28	0.20	438719.37	642773.44	N 32 12 20.49	W 104 0 19.35
	11842.00	90.71	184.16	9874.24	2325.61	-2213.24	1177.31	2.48	438625.52	642768.47	N 32 12 19.56	W 104 0 19.41
	11937.00	89.74	181.79	9873.87	2419.42	-2308.10	1172.38	2.70	438530.66	642763.54	N 32 12 18.62	W 104 0 19.47
	12032.00	89.75	181.88	9874.29	2513.51	-2403.05	1169.34	0.10	438435.72	642760.50	N 32 12 17.68	W 104 0 19.51
	12127.00	90.98	181.49	9873.69	2607.63	-2498.00	1166.55	1.36	438340.78	642757.71	N 32 12 16.74	W 104 0 19.54
	12222.00	90.69	180.53	9872.30	2701.90	-2592.98	1164.87	1.06	438245.81	642756.04	N 32 12 15.80	W 104 0 19.57
	12317.00	90.75	181.53	9871.11	2796.15	-2687.95	1163.16	1.05	438150.84	642754.33	N 32 12 14.86	W 104 0 19.59
	12506.00	89.78	181.27	9870.23	2983.54	-2876.89	1158.55	0.53	437961.92	642749.71	N 32 12 12.99	W 104 0 19.65
	12696.00	90.58	181.69	9869.64	3171.88	-3066.83	1153.64	0.48	437772.00	642744.80	N 32 12 11.11	W 104 0 19.72
	12790.00	89.73	180.29	9869.38	3265.16	-3160.81	1152.01	1.74	437678.02	642743.18	N 32 12 10.18	W 104 0 19.74
	12953.00	89.10	178.40	9871.05	3427.41	-3323.78	1153.88	1.22	437515.06	642745.04	N 32 12 8.57	W 104 0 19.72
	13075.00	90.03	180.80	9871.97	3548.80	-3445.77	1154.73	2.11	437393.09	642745.89	N 32 12 7.36	W 104 0 19.72
	13169.00	89.48	177.69	9872.38	3642.38	-3539.74	1155.97	3.36	437299.12	642747.13	N 32 12 6.43	W 104 0 19.70
	13264.00	90.20	178.74	9872.64	3737.11	-3634.70	1158.93	1.34	437204.18	642750.09	N 32 12 5.49	W 104 0 19.67
	13359.00	89.70	178.26	9872.72	3831.80	-3729.66	1161.41	0.73	437109.22	642752.58	N 32 12 4.56	W 104 0 19.65
	13548.00	90.83	179.09	9871.85	4020.14	-3918.61	1165.78	0.74	436920.29	642756.95	N 32 12 2.69	W 104 0 19.60
	13737.00	91.74	180.46	9867.61	4208.10	-4107.55	1166.53	0.87	436731.36	642757.69	N 32 12 0.82	W 104 0 19.60
	13832.00	91.91	182.36	9864.59	4302.24	-4202.47	1164.19	2.01	436636.45	642755.35	N 32 11 59.88	W 104 0 19.63
	13927.00	90.78	181.78	9862.36	4396.25	-4297.38	1160.76	1.34	436541.55	642751.92	N 32 11 58.94	W 104 0 19.68
	14022.00	90.09	178.15	9861.63	4490.70	-4392.36	1160.82	3.89	436446.57	642751.98	N 32 11 58.00	W 104 0 19.68
	14116.00	89.97	179.33	9861.58	4584.36	-4486.33	1162.88	1.26	436352.61	642754.05	N 32 11 57.07	W 104 0 19.66
	14305.00	89.13	178.91	9863.07	4772.57	-4675.30	1165.79	0.50	436163.65	642756.95	N 32 11 55.20	W 104 0 19.63
	14494.00	89.50	179.18	9865.33	4960.80	-4864.26	1168.94	0.24	435974.71	642760.10	N 32 11 53.33	W 104 0 19.60
	14589.00	89.08	178.99	9866.51	5055.41	-4959.24	1170.45	0.49	435879.73	642761.62	N 32 11 52.39	W 104 0 19.59
	14684.00	89.72	179.67	9867.50	5149.98	-5054.23	1171.56	0.98	435784.76	642762.73	N 32 11 51.45	W 104 0 19.58
	14873.00	90.60	178.90	9866.97	5338.14	-5243.21	1173.92	0.62	435595.79	642765.09	N 32 11 49.58	W 104 0 19.56
	15063.00	89.70	179.35	9866.48	5527.35	-5433.19	1176.82	0.53	435405.83	642767.99	N 32 11 47.70	W 104 0 19.53
	15157.00	89.10	178.80	9867.46	5620.97	-5527.17	1178.34	0.87	435311.86	642769.51	N 32 11 46.77	W 104 0 19.52
	15252.00	89.88	178.80	9868.31	5715.62	-5622.14	1180.33	0.82	435216.89	642771.49	N 32 11 45.83	W 104 0 19.50
	15441.00	90.78	178.91	9867.22	5903.91	-5811.10	1184.11	0.48	435027.95	642775.27	N 32 11 43.96	W 104 0 19.46
	15631.00	89.61	179.09	9866.57	6093.16	-6001.07	1187.42	0.62	434838.00	642778.59	N 32 11 42.08	W 104 0 19.43
	15820.00	90.03	180.74	9867.16	6281.11	-6190.06	1187.70	0.90	434649.02	642778.87	N 32 11 40.21	W 104 0 19.43
	15914.00	88.49	180.33	9868.38	6374.47	-6284.05	1186.83	1.70	434555.04	642777.99	N 32 11 39.28	W 104 0 19.44
	16009.00	88.71	180.78	9870.70	6468.81	-6379.01	1185.91	0.53	434460.08	642777.07	N 32 11 38.34	W 104 0 19.46
	16104.00	90.32	180.83	9871.50	6563.11	-6474.00	1184.57	1.70	434365.11	642775.74	N 32 11 37.40	W 104 0 19.48
	16199.00	89.84	180.67	9871.37	6657.44	-6568.99	1183.33	0.53	434270.12	642774.49	N 32 11 36.46	W 104 0 19.49
	16293.00	90.40	181.56	9871.17	6750.69	-6662.97	1181.50	1.12	434176.15	642772.66	N 32 11 35.53	W 104 0 19.52
	16387.00	89.24	180.17	9871.47	6844.00	-6756.95	1180.08	1.93	434082.17	642771.24	N 32 11 34.60	W 104 0 19.54
	16482.00	91.30	181.80	9871.02	6938.27	-6851.93	1178.45	2.77	433987.20	642769.61	N 32 11 33.66	W 104 0 19.56
	16577.00	91.10	181.84	9869.03	7032.34	-6946.86	1175.43	0.21	433892.28	642766.59	N 32 11 32.72	W 104 0 19.60
	16672.00	90.89	181.08	9867.38	7126.50	-7041.82	1173.01	0.83	433797.33	642764.18	N 32 11 31.78	W 104 0 19.63
	16766.00	90.70	181.16	9866.08	7219.75	-7135.79	1171.17	0.22	433703.37	642762.34	N 32 11 30.85	W 104 0 19.66

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 ° ' ")
	16861.00	90.04	180.65	9865.46	7314.04	-7230.77	1169.67	0.88	433608.39	642760.84	N 32 11 29.91	W 104 0 19.68
	16956.00	90.38	180.90	9865.12	7408.36	-7325.76	1168.39	0.44	433513.41	642759.55	N 32 11 28.97	W 104 0 19.69
	17145.00	89.34	181.04	9865.58	7595.93	-7514.73	1165.19	0.56	433324.45	642756.35	N 32 11 27.10	W 104 0 19.74
	17240.00	89.78	180.76	9866.31	7690.22	-7609.72	1163.70	0.55	433229.48	642754.86	N 32 11 26.16	W 104 0 19.76
	17429.00	90.01	181.58	9866.65	7877.70	-7798.68	1159.84	0.45	433040.53	642751.00	N 32 11 24.29	W 104 0 19.81
	17523.00	90.04	182.37	9866.61	7970.77	-7892.62	1156.60	0.84	432946.60	642747.76	N 32 11 23.36	W 104 0 19.85
	17618.00	90.50	181.85	9866.17	8064.80	-7987.55	1153.10	0.73	432851.67	642744.27	N 32 11 22.42	W 104 0 19.90
	17712.00	89.22	181.31	9866.39	8157.96	-8081.52	1150.51	1.48	432757.72	642741.67	N 32 11 21.49	W 104 0 19.93
	17814.00	90.55	181.92	9866.60	8259.03	-8183.47	1147.63	1.43	432655.77	642738.80	N 32 11 20.48	W 104 0 19.97
	17902.00	90.29	181.47	9865.95	8346.22	-8271.43	1145.03	0.59	432567.82	642736.20	N 32 11 19.61	W 104 0 20.00
	17997.00	89.49	181.41	9866.14	8440.40	-8366.40	1142.64	0.84	432472.86	642733.81	N 32 11 18.67	W 104 0 20.03
	18091.00	89.20	180.21	9867.21	8533.71	-8460.38	1141.31	1.31	432378.88	642732.48	N 32 11 17.74	W 104 0 20.05
	18186.00	89.17	178.93	9868.56	8628.24	-8555.37	1142.03	1.35	432283.90	642733.19	N 32 11 16.80	W 104 0 20.05
	18281.00	88.93	179.05	9870.14	8722.85	-8650.34	1143.70	0.28	432188.94	642734.87	N 32 11 15.86	W 104 0 20.03
	18375.00	88.97	179.31	9871.86	8816.44	-8744.32	1145.05	0.28	432094.97	642736.21	N 32 11 14.93	W 104 0 20.02
	18470.00	89.42	178.93	9873.20	8911.04	-8839.29	1146.51	0.62	432000.00	642737.67	N 32 11 13.99	W 104 0 20.00
	18660.00	89.18	178.26	9875.52	9100.39	-9029.22	1151.16	0.37	431810.09	642742.33	N 32 11 12.12	W 104 0 19.96
	18754.00	90.57	179.17	9875.72	9194.05	-9123.19	1153.27	1.77	431716.12	642744.44	N 32 11 11.19	W 104 0 19.93
	18849.00	89.46	178.81	9875.70	9288.68	-9218.18	1154.95	1.23	431621.15	642746.11	N 32 11 10.25	W 104 0 19.92
	18943.00	90.79	179.40	9875.49	9382.29	-9312.16	1156.41	1.55	431527.17	642747.58	N 32 11 9.32	W 104 0 19.90
	19038.00	89.92	178.79	9874.90	9476.90	-9407.15	1157.92	1.12	431432.19	642749.08	N 32 11 8.38	W 104 0 19.89
	19133.00	89.54	178.82	9875.35	9571.55	-9502.13	1159.90	0.40	431337.22	642751.06	N 32 11 7.44	W 104 0 19.87
	19322.00	90.61	179.82	9875.10	9759.70	-9691.11	1162.14	0.77	431148.26	642753.30	N 32 11 5.57	W 104 0 19.85
	19416.00	90.42	179.30	9874.26	9853.24	-9785.10	1162.86	0.59	431054.27	642754.03	N 32 11 4.64	W 104 0 19.85
	19511.00	89.83	179.28	9874.05	9947.82	-9880.09	1164.04	0.62	430959.29	642755.20	N 32 11 3.70	W 104 0 19.84
	19700.00	89.75	179.26	9874.74	10136.00	-10069.08	1166.45	0.04	430770.32	642757.61	N 32 11 1.83	W 104 0 19.81
	19889.00	89.40	179.16	9876.15	10324.18	-10258.05	1169.05	0.19	430581.36	642760.22	N 32 10 59.96	W 104 0 19.79
	19984.00	89.65	178.71	9876.93	10418.82	-10353.03	1170.82	0.54	430486.38	642761.98	N 32 10 59.02	W 104 0 19.77
	20079.00	90.43	179.82	9876.87	10513.40	-10448.02	1172.04	1.43	430391.40	642763.20	N 32 10 58.08	W 104 0 19.76
	20269.00	89.38	180.77	9877.18	10702.22	-10638.02	1171.06	0.75	430201.43	642762.22	N 32 10 56.20	W 104 0 19.78
	20364.00	89.67	181.11	9877.97	10796.50	-10733.00	1169.50	0.47	430106.45	642760.66	N 32 10 55.26	W 104 0 19.80
330' FSL Crossed	*20368.00*	*89.66*	*181.07*	*9877.99*	*10800.47*	*-10737.00*	*1169.42*	*1.02*	*430102.45*	*642760.59*	*N 32 10 55.22*	*W 104 0 19.80*
Final MWD	20458.00	89.44	180.18	9878.70	10889.85	-10826.99	1168.44	1.02	430012.47	642759.61	N 32 10 54.33	W 104 0 19.82
Proj to TD	20489.00	89.44	180.18	9879.00	10920.66	-10857.99	1168.34	0.00	429981.47	642759.51	N 32 10 54.02	W 104 0 19.82

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 (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	30.000	1/98.425	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'MD
	1	30.000	30.000	Act Stns	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'MD
	1	30.000	572.000	Act Stns	26.400	26.400	GYD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 38H
	1	572.000	20489.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 38H Gyro+MWD 0-20489'MD

State of New Mexico
Energy, Minerals and Natural Resources Department

November 21, 2019

Ms. Jana Mendiola
janalyn_mendiola@oxy.com

NON-STANDARD LOCATION

Administrative Order NSL-7951

Oxy USA, Inc. [OGRID 16696]
Salt Flat CC 20 29 Federal Com Well No. 38H
API No. 30-015-PENDING

Proposed Location

	Footages	Unit/Lot	Sec.	Twsp	Range	County
Surface	435 FSL & 1835 FWL	N	17	24S	29E	Eddy
First Take Point	100 FNL & 2310 FEL	B	20	24S	29E	Eddy
Last Take Point	330 FSL & 2309 FEL	O	29	24S	29E	Eddy
Terminus	20 FSL & 2310 FEL	O	29	24S	29E	Eddy

Proposed Horizontal Gas Units

Description	Acres	Pool	Pool Code
E2 of Section 20 E2 of Section 29	640	Purple Sage; Wolfcamp (GAS)	98220

Reference is made to your application received on October 21, 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 (R-14262) 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 edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 17, encroachment to the SE/4

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

The Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 20 and Section 29.

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

Per 19.15.15.13(B) NMAC, Division approves this unorthodox location.

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

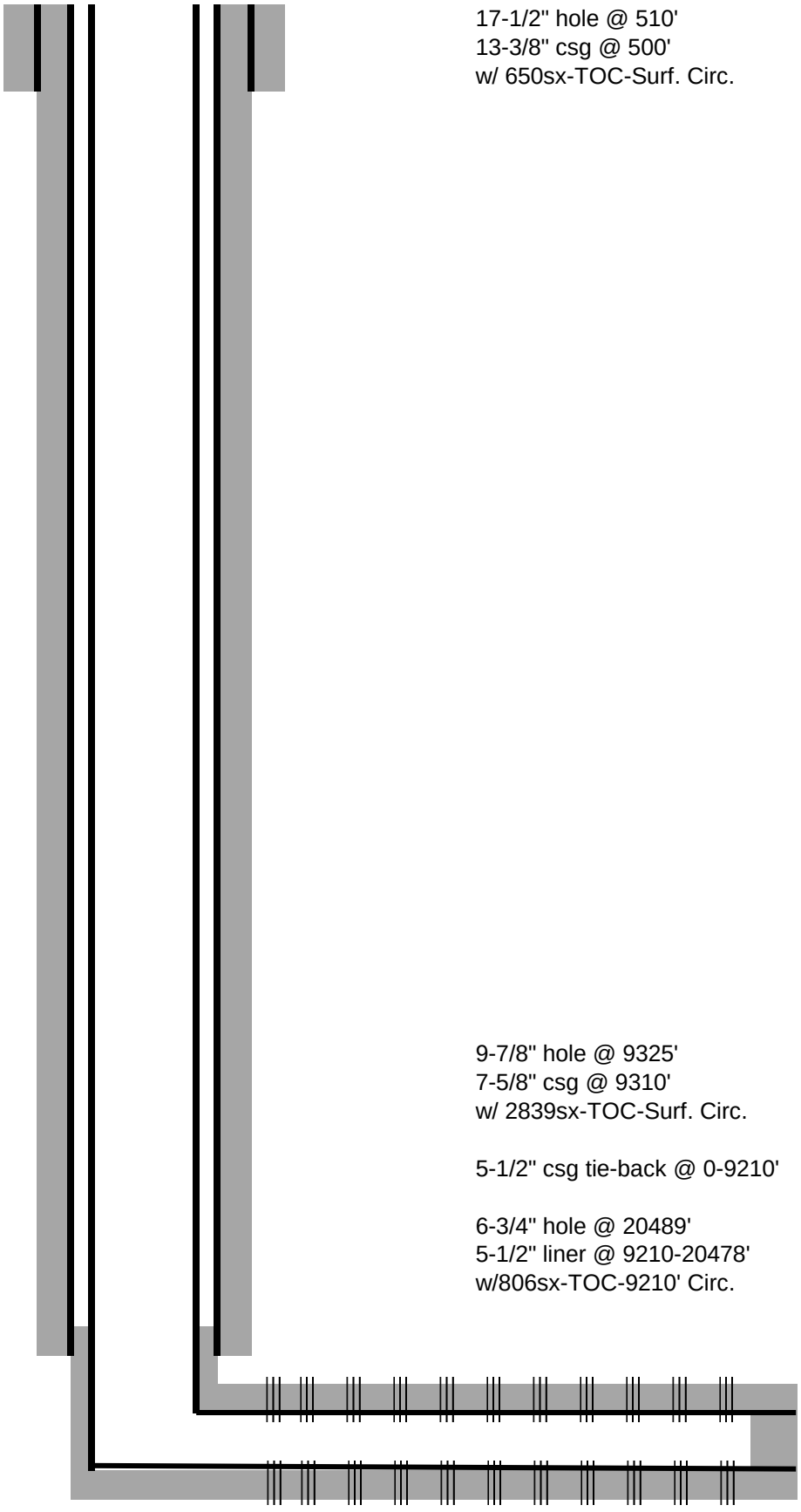
Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.

ADRIENNE E. SANDOVAL
Division Director

AES/lrl

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

OXY USA Inc.
Salt Flat CC 20-29 Federal Com 38H
API No. 30-015-46399



17-1/2" hole @ 510'
13-3/8" csg @ 500'
w/ 650sx-TOC-Surf. Circ.

9-7/8" hole @ 9325'
7-5/8" csg @ 9310'
w/ 2839sx-TOC-Surf. Circ.

5-1/2" csg tie-back @ 0-9210'

6-3/4" hole @ 20489'
5-1/2" liner @ 9210-20478'
w/806sx-TOC-9210' Circ.

Perfs @ 10358-20335'

TD- 20489'M 9879'V