

RECEIVED

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, Artesia, 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

MAR 06 2020

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 30-015-45086	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321633	Property Name OXBOW CC "17-8" FEDERAL COM	Well Number 34H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2925.6'

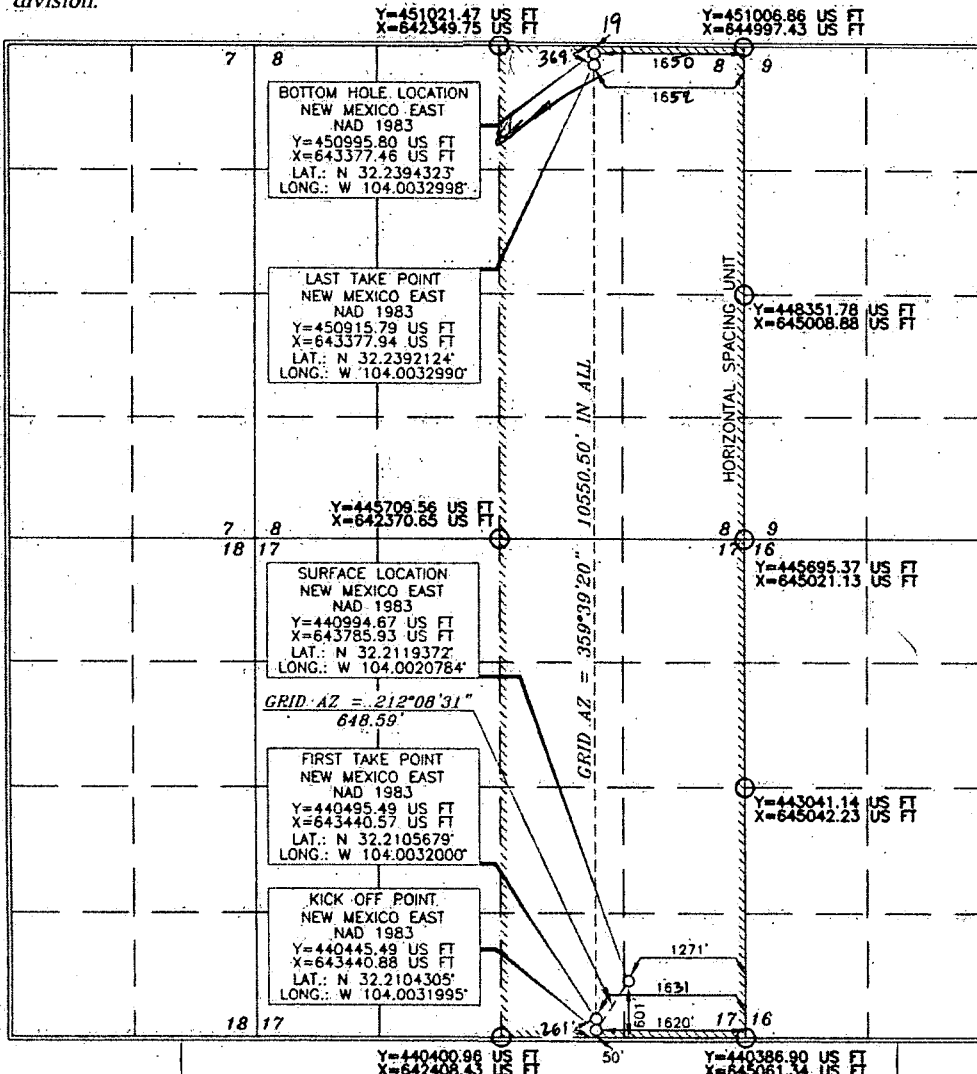
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24 SOUTH	29 EAST, N.M.P.M.		601'	SOUTH	1271'	EAST	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
B	8	24 SOUTH	29 EAST, N.M.P.M.		2019	NORTH	1620	EAST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. NSL-7942	FTP- 261 FSL 1631 FEL LTP- 369 FNL 1652 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: *Jana Mendiola* Date: 3/4/20
Printed Name: Jana Mendiola
E-mail Address: janalyn_mendiola@oxy.com

SURVEYOR CERTIFICATION

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

Date of Survey: NOVEMBER 10, 2013
Signature and Seal of Professional Surveyor: *Tommy J. Alar*
Certificate Number: 15079

WO# 171110WL-a-XY (Rev. B) (KA)

RW 4-30-20

Intent ☐ As Drilled ☒

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MAR 06 2020

EMNRD-OCDARTESIA

API # 30-015-45086		Operator Name: OXY USA INC.		Property Name: OXBOW CC 17-8 FEDERAL COM		Well Number 34H	
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Kick Off Point (KOP)

UL O	Section 17	Township 24S	Range 29E	Lot	Feet 60	From N/S S	Feet 1603	From E/W E	County EDDY
Latitude 32.21012					Longitude -104.00316			NAD NAD83	

First Take Point (FTP)

UL O	Section 17	Township 24S	Range 29E	Lot	Feet 261	From N/S S	Feet 1631	From E/W E	County EDDY
Latitude 32.21101					Longitude -104.00324			NAD NAD83	

Last Take Point (LTP)

UL B	Section 8	Township 24S	Range 29E	Lot	Feet 369	From N/S N	Feet 1652	From E/W E	County EDDY
Latitude 32.23847					Longitude -104.00321			NAD NAD83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

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

API # 30-015-45087		Operator Name: OXY USA INC.		Property Name: OXBOW CC 17-8 FEDERAL COM		Well Number 35H	
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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

December 2, 2019

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

Re:

S17, T24S, R29E, Eddy, NM
N 32.21194 W -104.00208

CLIENT: OXY USA Inc.
WELL: Oxbow CC 17-8 Fed Com 34H
FIELD: Purple Sage Wolfcamp

RIG: H&P 657
COUNTY: Eddy
API NO: 30-015-45086
JOB NO: 19MLH0370

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>
Maria Zapata FE	Oxbow CC 17-8 Fed Com 34H Original Hole	465.00 Ft to 20518.00 Ft	November 17, 2019 to December 1, 2019	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)
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Schlumberger

MAR 06 2020

EMNRD-OCD ARTESIA

Well Reference:

S17-T24S, R29E, Eddy, NM
N 32.21194 W 104.00208

I, Maria Zapata certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 17, 2019, through December 01, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 465.00 feet to a depth of 20518.00 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 Inc. for the Oxbow CC 17-8 Fed Com 34H Well (Original Hole) API No. 30-015-45086 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.

Maria Zapata

By
Maria Zapata
FE

Subscribed and Sworn to before me this 11 day of December (month) 2019 (yr)

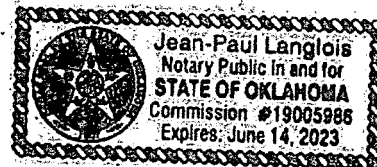
My Commission expires:

6/14/2023

Jean-Paul Langlois
Notary Public

(signature)

Comanche, Oklahoma
(County State)



Schlumberger

OXY

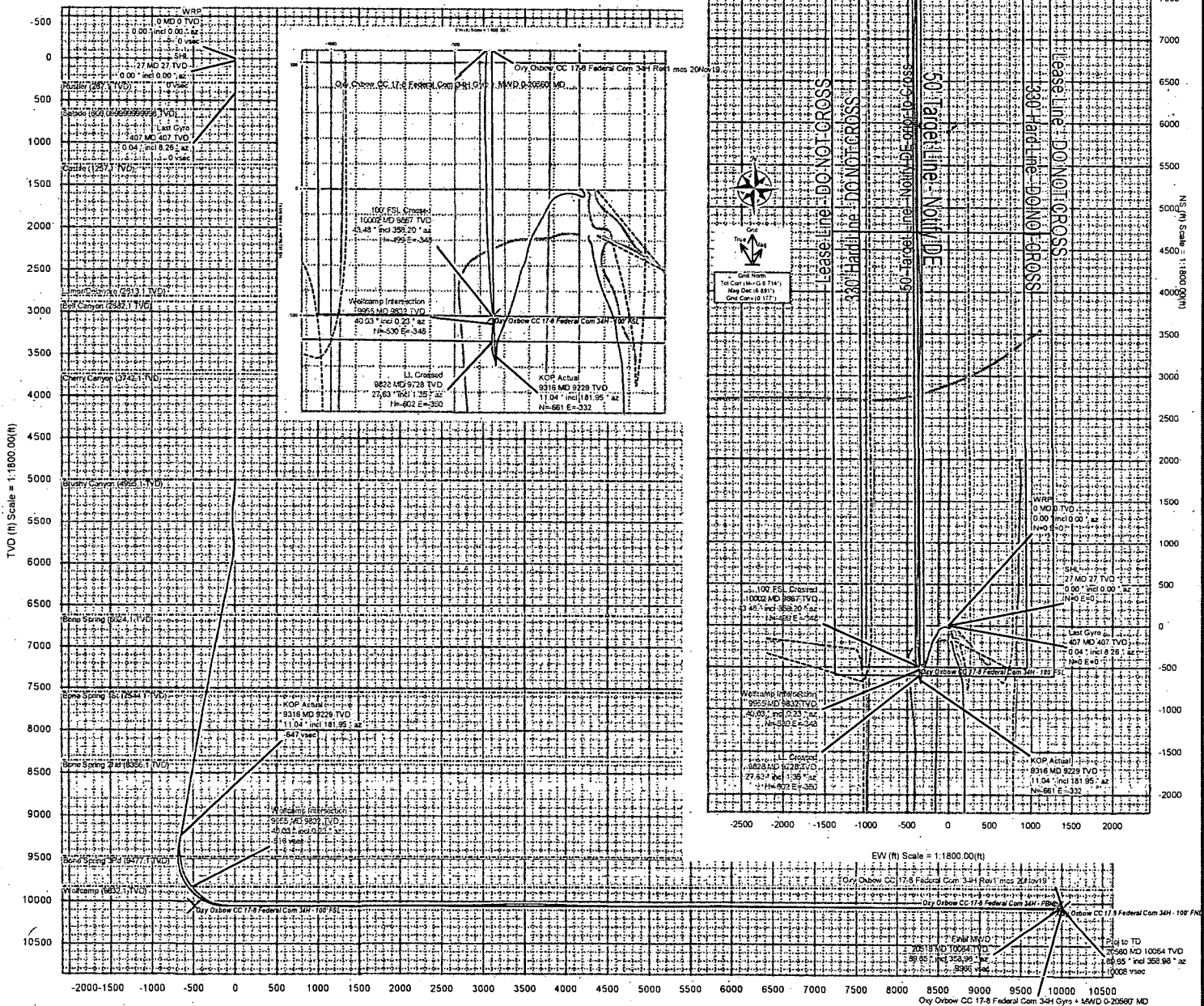


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Oxbow CC 17-8 Federal Com 34H	NM Eddy County (NAD 83)	Oxy Oxbow CC, 17-8 Federal Com 34H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model: IFRI	Dip: 59.32°	Date: 15-Nov-2019		Lat: N 32 12 43.97	Northings: 440994.67 NUS	Grid Conv: 0.1766°		Slot: Oxy Oxbow CC	Oxy Oxbow CC	TVD Ref: RKB = 26.5ft (2952.1ft above MSL)	
MagDec: 6.891°	FS: 47854.1nT	Gravity FS: 998.463mg (9.80665 Based)		Lon: W 104 0 7.48	Eastings: 643785.93 NUS	Scale Fact: 0.99992111		Com: 34H	Plan: Oxy Oxbow CC 17-8 Federal Com 34H Gyro + MWD 0-20560' 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	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00
Last Gyro	407.00	0.04	8.26	407.00	0.19	0.19	0.08	0.43
First SLB Survey	465.00	0.62	50.92	465.00	0.39	0.41	0.32	1.02
100' FSL Crossed	1092.00	0.07	72.46	1092.00	1.25	1.29	1.04	0.08
LL Crossed	8986.00	10.57	195.84	8905.22	-584.12	-597.93	-326.27	1.88
KOP Actual	9316.00	11.04	181.95	9229.06	-646.89	-660.99	-332.00	0.23
LL Crossed	9828.00	27.63	1.35	9727.90	-587.08	-601.37	-350.04	11.29
Wolfcamp Intersection	9954.60	40.03	0.23	9832.10	-515.84	-530.48	-347.90	7.80
100' FNL Crossed	20473.00	89.65	359.35	10083.66	9921.38	9914.24	-377.29	0.83
Final MWD	20518.00	89.65	358.98	10063.93	9966.37	9959.24	-377.55	0.83
Frjt to TD	20560.00	89.65	358.98	10064.18	10008.35	10001.23	-378.69	0.09



RW 4-30/20

Oxy Oxbow CC 17-8 Federal Com 34H Gyro + MWD 0-20560' MD Survey

Geodetic Report

(Def Survey)



Report Date: December 02, 2019 - 02:34 PM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Oxbow CC 17-8 Federal Com 34H / Oxy Oxbow CC 17-8 Federal Com 34H
 Well: Oxy Oxbow CC 17-8 Federal Com 34H
 Borehole: Original Borehole
 UWI / APW: Unknown / 30-015-45086
 Survey Name: Oxy Oxbow CC 17-8 Federal Com 34H Gyro + MWD 0-20560' MD
 Survey Date: October 29, 2019
 Tort / AHD / DDI / ERD Ratio: 316,580' / 11555.575 ft / 6.874' / 1.148
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 12' 42.97388", W 104° 0' 7.48214"
 Location Grid N/E Y/X: N 440994.670 RUS, E 643785.930 RUS
 CRS Grid Convergence Angle: 0.1766°
 Grid Scale Factor: 0.99992111
 Version / Patch: 2.10.787.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 357.661° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB = 26.5 ft
 TVD Reference Elevation: 2952.100 ft above MSL
 Seabed / Ground Elevation: 2925.600 ft above MSL
 Magnetic Declination: 6.891°
 Total Gravity Field Strength: 998.4689mgN (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47854.100 nT
 Magnetic Dip Angle: 59.920°
 Declination Date: November 15, 2019
 Magnetic Declination Model: IIFR1
 North Reference: Grid North
 Grid Convergence Used: 0.1766°
 Total Corr Mag North->Grid North: 6.7144°
 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 SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440994.67	643785.93	N 32 12 42.97	W 104 0 7.48
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	440994.67	643785.93	N 32 12 42.97	W 104 0 7.48
	120.00	0.18	16.82	120.00	0.14	0.14	0.04	0.19	440994.81	643785.97	N 32 12 42.98	W 104 0 7.48
	145.00	0.13	52.13	145.00	0.19	0.20	0.08	0.42	440994.87	643786.01	N 32 12 42.98	W 104 0 7.48
	172.00	0.19	216.74	172.00	0.18	0.18	0.07	1.17	440994.85	643786.00	N 32 12 42.98	W 104 0 7.48
	199.00	0.12	168.32	199.00	0.11	0.11	0.05	0.53	440994.78	643785.98	N 32 12 42.98	W 104 0 7.48
	228.00	0.04	134.08	228.00	0.08	0.08	0.07	0.31	440994.75	643786.00	N 32 12 42.97	W 104 0 7.48
	255.00	0.06	210.15	255.00	0.06	0.06	0.07	0.24	440994.73	643786.00	N 32 12 42.97	W 104 0 7.48
	287.00	0.13	318.33	287.00	0.07	0.07	0.03	0.50	440994.74	643785.96	N 32 12 42.97	W 104 0 7.48
	318.00	0.09	57.93	318.00	0.11	0.11	0.03	0.55	440994.78	643785.96	N 32 12 42.97	W 104 0 7.48
Last Gyro First SLB Survey	350.00	0.06	126.01	350.00	-0.11	0.11	0.07	0.27	440994.78	643786.00	N 32 12 42.98	W 104 0 7.48
	381.00	0.15	357.91	381.00	0.14	0.15	0.08	0.62	440994.82	643786.01	N 32 12 42.98	W 104 0 7.48
	407.00	0.04	8.26	407.00	0.19	0.19	0.08	0.43	440994.86	643786.01	N 32 12 42.98	W 104 0 7.48
	465.00	0.62	50.92	465.00	0.39	0.41	0.32	1.02	440995.08	643786.25	N 32 12 42.98	W 104 0 7.48
	557.00	0.13	73.33	557.00	0.72	0.75	0.81	0.55	440995.42	643786.74	N 32 12 42.98	W 104 0 7.47
	700.00	0.10	339.21	700.00	0.88	0.91	0.92	0.12	440995.58	643786.85	N 32 12 42.98	W 104 0 7.47
	837.00	0.08	22.05	837.00	1.08	1.11	0.91	0.05	440995.78	643786.84	N 32 12 42.98	W 104 0 7.47
	930.00	0.08	28.50	930.00	1.19	1.23	0.97	0.01	440995.90	643786.90	N 32 12 42.99	W 104 0 7.47
	1022.00	0.08	83.58	1022.00	1.25	1.29	1.06	0.08	440995.96	643786.99	N 32 12 42.99	W 104 0 7.47
	1114.00	0.08	43.52	1114.00	1.30	1.35	1.17	0.06	440996.02	643787.10	N 32 12 42.99	W 104 0 7.47
	1206.00	0.10	76.36	1206.00	1.36	1.41	1.29	0.06	440996.08	643787.22	N 32 12 42.99	W 104 0 7.47
	1298.00	0.08	172.28	1298.00	1.31	1.37	1.38	0.15	440996.04	643787.31	N 32 12 42.99	W 104 0 7.47
	1391.00	0.08	129.86	1391.00	1.20	1.26	1.44	0.06	440995.93	643787.37	N 32 12 42.99	W 104 0 7.47
	1483.00	0.08	145.46	1483.00	1.11	1.17	1.53	0.02	440995.84	643787.46	N 32 12 42.99	W 104 0 7.46
	1575.00	0.10	257.06	1575.00	1.04	1.10	1.48	0.16	440995.77	643787.41	N 32 12 42.98	W 104 0 7.46
	1669.00	0.13	22.80	1668.99	1.12	1.18	1.45	0.22	440995.85	643787.37	N 32 12 42.99	W 104 0 7.47
	1764.00	0.10	204.48	1763.99	1.14	1.20	1.45	0.24	440995.87	643787.38	N 32 12 42.99	W 104 0 7.47
	1858.00	0.08	74.11	1857.99	1.08	1.15	1.48	0.17	440995.82	643787.41	N 32 12 42.99	W 104 0 7.46
	1952.00	0.05	47.77	1951.99	1.13	1.19	1.58	0.04	440995.86	643787.50	N 32 12 42.99	W 104 0 7.46
	2047.00	0.08	226.97	2046.99	1.11	1.17	1.56	0.14	440995.84	643787.49	N 32 12 42.99	W 104 0 7.46
	2141.00	0.10	318.36	2140.99	1.13	1.19	1.45	0.14	440995.86	643787.38	N 32 12 42.99	W 104 0 7.47
	2236.00	0.11	194.44	2235.99	1.11	1.16	1.38	0.20	440995.83	643787.31	N 32 12 42.99	W 104 0 7.47
	2330.00	0.13	57.78	2329.99	1.07	1.13	1.44	0.24	440995.80	643787.37	N 32 12 42.99	W 104 0 7.47
	2424.00	0.13	18.13	2423.99	1.23	1.29	1.57	0.09	440995.96	643787.50	N 32 12 42.99	W 104 0 7.46
	2519.00	0.11	148.99	2518.99	1.25	1.32	1.65	0.23	440995.99	643787.58	N 32 12 42.99	W 104 0 7.46
	2613.00	0.11	187.65	2612.99	1.08	1.15	1.68	0.08	440995.82	643787.61	N 32 12 42.99	W 104 0 7.46
	2708.00	0.08	21.71	2707.99	1.05	1.12	1.70	0.20	440995.79	643787.63	N 32 12 42.98	W 104 0 7.46
	2802.00	0.13	131.71	2801.99	1.04	1.11	1.84	0.19	440995.78	643787.73	N 32 12 42.98	W 104 0 7.46
	2897.00	0.08	120.51	2896.99	0.93	1.00	1.90	0.06	440995.67	643787.87	N 32 12 42.98	W 104 0 7.46
	2991.00	0.08	45.22	2990.99	0.93	1.02	2.04	0.10	440995.69	643787.97	N 32 12 42.98	W 104 0 7.46
	3085.00	0.10	343.14	3084.99	1.06	1.14	2.06	0.10	440995.81	643787.99	N 32 12 42.99	W 104 0 7.46
	3179.00	0.08	327.60	3178.99	1.19	1.28	2.00	0.03	440995.95	643787.93	N 32 12 42.99	W 104 0 7.46
	3274.00	0.08	36.58	3273.99	1.30	1.39	2.01	0.10	440996.06	643787.94	N 32 12 42.99	W 104 0 7.46
	3368.00	0.08	112.12	3367.99	1.33	1.41	2.11	0.10	440996.08	643788.04	N 32 12 42.99	W 104 0 7.46
	3463.00	0.08	320.22	3462.99	1.35	1.44	2.13	0.16	440996.11	643788.06	N 32 12 42.99	W 104 0 7.46
	3557.00	0.08	115.89	3556.99	1.37	1.46	2.14	0.17	440996.13	643788.07	N 32 12 42.99	W 104 0 7.46
	3652.00	0.13	293.20	3651.99	1.39	1.47	2.10	0.22	440996.14	643788.03	N 32 12 42.99	W 104 0 7.46
	3746.00	0.13	231.91	3745.99	1.37	1.45	1.92	0.14	440996.12	643787.85	N 32 12 42.99	W 104 0 7.46
	3840.00	0.10	89.87	3839.99	1.31	1.39	1.92	0.23	440996.06	643787.85	N 32 12 42.99	W 104 0 7.46
	3935.00	0.08	211.36	3934.99	1.25	1.33	1.97	0.17	440996.00	643787.90	N 32 12 42.99	W 104 0 7.46
4029.00	0.08	337.34	4028.99	1.25	1.33	1.91	0.15	440996.00	643787.84	N 32 12 42.99	W 104 0 7.46	
4124.00	0.11	63.52	4123.99	1.35	1.44	1.97	0.14	440996.11	643787.90	N 32 12 42.99	W 104 0 7.46	
4218.00	0.10	309.95	4217.99	1.45	1.53	1.98	0.19	440996.20	643787.91	N 32 12 42.99	W 104 0 7.46	
4313.00	0.08	124.54	4312.99	1.46	1.54	1.97	0.19	440996.21	643787.90	N 32 12 42.99	W 104 0 7.46	
4408.00	0.11	270.09	4407.99	1.43	1.51	1.94	0.19	440996.18	643787.87	N 32 12 42.99	W 104 0 7.46	
4503.00	0.10	167.50	4502.99	1.35	1.43	1.86	0.17	440996.10	643787.79	N 32 12 42.99	W 104 0 7.46	
4597.00	0.50	86.17	4596.99	1.28	1.37	2.29	0.53	440996.04	643788.22	N 32 12 42.99	W 104 0 7.46	
4692.00	2.53	82.48	4691.95	1.48	1.68	4.78	2.14	440996.35	643790.71	N 32 12 42.99	W 104 0 7.43	
4786.00	3.10	72.97	4785.84	2.31	2.69	9.27	0.78	440997.36	643795.20	N 32 12 43.00	W 104 0 7.37	
4881.00	0.05	319.19	4880.79	2.99	3.48	11.70	3.28	440998.14	643797.63	N 32 12 43.01	W 104 0 7.35	
4975.00	0.85	171.37	4974.79	2.33	2.82	11.78	0.95	440997.49	643797.71	N 32 12 43.00	W 104 0 7.34	
5070.00	3.52	157.12	5069.71	-1.10	-0.57	13.02	2.85	440997.49	643797.71	N 32 12 43.00	W 104 0 7.34	
5164.00	6.90	152.28	5163.31	-8.90	-8.23	13.02	2.85	440998.44	643799.55	N 32 12 42.99	W 104 0 7.33	
5259.00	5.71	156.45	5257.74	-18.47	-17.61	16.77	3.62	440998.44	643802.70	N 32 12 42.89	W 104 0 7.29	
5353.00	4.56	208.85	5351.41	-26.03	-25.17	21.31	1.34	440997.06	643807.24	N 32 12 42.80	W 104 0 7.23	
5447.00	4.40	272.49	5445.17	-28.92	-28.29	21.38	4.94	440969.50	643807.30	N 32 12 42.72	W 104 0 7.23	
5541.00	7.86	293.82	5536.63	-25.78	-25.54	15.97	5.02	440966.38	643801.90	N 32 12 42.69	W 104 0 7.30	
5636.00	11.98	288.13	5632.19	-19.47	-19.85	6.48	4.35	440969.19	643792.41	N 32 12 42.72	W 104 0 7.41	
5730.00	15.48	276.07	5723.51	-14.22	-15.48	4.45	4.45	44074.83	643777.09	N 32 12 42.78	W 104 0 7.59	
5824.00	16.90	261.00	5813.82	-13.97	-16.29	56.58	4.79	440979.19	643755.34	N 32 12 42.82	W 104 0 7.84	
5919.00	16.78	245.00	5904.80	-20.86	-24.25	82.66	4.87	440978.38	643729.36	N 32 12 42.81	W 104 0 8.14	
6013.00	15.29	226.06	5995.20	-34.33	-38.60	56.58	5.76	440978.38	643682.04	N 32 12 42.60	W 104 0 8.69	
6108.00	14.01	207.27	6087.16	-52.65	-57.52	56.58	5.16	440977.15	643703.28	N 32 12 42.74	W 104 0 8.65	
6202.00	13.66	209.07	6178.43	-72.02	-77.34	56.58	0.59	440971.34	643682.04	N 32 12 42.60	W 104 0 8.69	
6297.00	13.48	207.49	6270.78	-91.20	-96.96	56.58	0.43	440897.71	643667.75	N 32 12 42.41	W 104 0 8.86	
6391.00	13.61	209.32	6362.17	-110.11	-116.33	56.58	0.48	440878.35	643657.14	N 32 12 42.21	W 104 0 8.98	
6485.00	13.53	210.00	6453.54	-128.82	-135.49	56.58	0.19	44085				

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6863.00	12.09	198.15	6822.14	-202.11	-210.34	-197.58	0.47	440784.34	643588.37	N 32 12 40.90	W 104 0 9.79
	6957.00	11.86	196.52	6914.09	-220.47	-228.96	-203.39	0.44	440765.73	643582.96	N 32 12 40.71	W 104 0 9.86
	7052.00	11.48	192.51	7007.13	-238.84	-247.55	-208.21	0.94	440747.14	643577.73	N 32 12 40.53	W 104 0 9.91
	7146.00	11.56	191.54	7099.24	-257.03	-265.91	-212.12	0.22	440728.78	643573.82	N 32 12 40.35	W 104 0 9.96
	7240.00	11.29	199.60	7191.38	-274.71	-283.81	-217.09	1.72	440710.89	643568.85	N 32 12 40.17	W 104 0 10.02
	7335.00	10.13	204.38	7284.73	-290.80	-300.18	-223.66	1.54	440694.52	643562.29	N 32 12 39.86	W 104 0 10.10
	7429.00	10.47	202.67	7377.21	-305.92	-315.59	-230.37	0.49	440679.11	643555.58	N 32 12 39.68	W 104 0 10.17
	7524.00	10.99	195.37	7470.56	-322.37	-332.28	-236.09	1.53	440662.41	643549.85	N 32 12 39.69	W 104 0 10.24
	7618.00	11.97	190.10	7562.68	-340.43	-350.52	-240.18	1.53	440644.18	643545.77	N 32 12 39.51	W 104 0 10.29
	7712.00	12.24	196.80	7654.59	-359.36	-369.66	-244.77	1.52	440625.04	643541.18	N 32 12 39.32	W 104 0 10.34
	7806.00	11.44	197.52	7746.59	-377.54	-388.09	-250.45	0.87	440606.61	643535.50	N 32 12 39.14	W 104 0 10.41
	7900.00	10.80	195.53	7838.83	-394.69	-405.46	-255.62	0.79	440589.24	643530.33	N 32 12 38.97	W 104 0 10.47
	7995.00	10.69	196.34	7932.16	-411.51	-422.49	-260.48	0.20	440572.21	643525.47	N 32 12 38.80	W 104 0 10.53
	8089.00	10.68	199.70	8024.53	-427.90	-439.11	-265.73	0.47	440555.60	643520.23	N 32 12 38.64	W 104 0 10.59
	8184.00	10.89	195.95	8117.85	-444.64	-456.08	-271.01	0.58	440538.63	643514.94	N 32 12 38.47	W 104 0 10.65
	8278.00	10.59	197.78	8210.21	-461.18	-472.84	-276.09	0.48	440521.87	643509.86	N 32 12 38.30	W 104 0 10.71
	8373.00	11.13	198.62	8303.50	-477.94	-489.84	-281.69	0.59	440504.27	643504.27	N 32 12 38.14	W 104 0 10.78
	8467.00	10.94	208.44	8395.78	-494.07	-506.28	-288.83	2.01	440488.43	643497.12	N 32 12 37.97	W 104 0 10.86
	8562.00	11.41	203.57	8488.98	-510.27	-522.82	-296.88	1.11	440471.89	643489.07	N 32 12 37.81	W 104 0 10.96
	8656.00	11.18	202.22	8581.16	-526.92	-539.78	-304.05	0.37	440454.93	643481.91	N 32 12 37.64	W 104 0 11.04
	8750.00	11.15	202.53	8673.38	-543.46	-556.61	-310.97	0.07	440438.10	643474.98	N 32 12 37.48	W 104 0 11.12
	8845.00	10.86	200.02	8766.63	-560.07	-573.51	-317.56	0.59	440421.21	643468.40	N 32 12 37.31	W 104 0 11.20
LL Crossed	8939.00	10.44	200.62	8859.01	-576.10	-589.80	-323.59	0.46	440404.92	643462.37	N 32 12 37.15	W 104 0 11.27
	9033.00	10.57	195.84	8952.22	-594.12	-597.93	-326.27	1.88	440396.79	643459.69	N 32 12 37.07	W 104 0 11.30
	9128.00	11.39	182.50	9044.64	-610.48	-624.48	-330.44	1.88	440370.24	643455.52	N 32 12 36.80	W 104 0 11.35
KOP Actual	9222.00	11.20	182.69	9136.82	-628.82	-642.87	-331.27	0.21	440351.85	643454.69	N 32 12 36.62	W 104 0 11.36
	9316.00	11.04	181.95	9229.06	-646.89	-660.97	-332.00	0.23	440333.74	643453.95	N 32 12 36.44	W 104 0 11.37
	9436.00	3.54	197.89	9348.01	-661.84	-676.02	-333.54	8.41	440318.71	643452.42	N 32 12 36.29	W 104 0 11.39
	9531.00	4.81	329.18	9442.89	-681.09	-697.79	-336.48	6.03	440319.34	643449.48	N 32 12 36.30	W 104 0 11.42
	9626.00	9.55	335.91	9537.12	-650.27	-664.77	-341.74	5.06	440329.96	643444.22	N 32 12 36.41	W 104 0 11.48
	9720.00	18.11	348.95	9628.33	-628.54	-643.26	-347.74	9.64	440351.46	643438.22	N 32 12 36.62	W 104 0 11.55
LL Crossed	9815.00	26.17	1.11	9716.30	-592.95	-607.75	-350.14	9.72	440386.97	643435.79	N 32 12 36.97	W 104 0 11.58
	9920.00	27.63	1.35	9727.90	-587.08	-601.87	-350.04	11.29	440392.85	643435.92	N 32 12 37.03	W 104 0 11.58
Wolfcamp Intersection	9909.00	36.76	2.47	9796.37	-544.09	-558.78	-348.55	11.29	440435.93	643437.41	N 32 12 37.46	W 104 0 11.56
100' FSL-Crossed	9954.60	40.03	0.23	9832.10	-515.84	-530.48	-347.90	7.80	440464.23	643437.60	N 32 12 37.74	W 104 0 11.55
	10002.00	43.48	358.20	9867.46	-484.29	-498.92	-348.35	7.80	440495.79	643437.58	N 32 12 38.05	W 104 0 11.55
	10003.00	43.55	358.16	9868.18	-483.60	-498.23	-348.38	7.80	440496.48	643437.58	N 32 12 38.05	W 104 0 11.55
	10098.00	51.61	354.19	9932.23	-413.58	-428.35	-353.20	9.02	440566.35	643432.75	N 32 12 38.75	W 104 0 11.61
	10192.00	61.19	356.64	9984.19	-335.45	-350.40	-359.36	10.42	440644.30	643426.50	N 32 12 39.52	W 104 0 11.68
	10287.00	74.52	356.39	10019.92	-247.67	-262.77	-364.71	14.03	440731.92	643421.25	N 32 12 40.38	W 104 0 11.74
	10381.00	81.65	356.76	10039.32	-155.77	-171.02	-370.20	7.59	440823.66	643415.76	N 32 12 41.29	W 104 0 11.80
	10476.00	85.32	359.70	10050.10	-61.42	-76.71	-373.10	4.94	440917.97	643412.86	N 32 12 42.23	W 104 0 11.83
	10571.00	90.24	359.32	10053.78	33.43	18.19	-373.91	5.19	441012.86	643412.05	N 32 12 43.17	W 104 0 11.83
	10751.00	90.83	357.84	10052.09	213.40	19.12	-378.37	0.89	441192.77	643407.59	N 32 12 44.95	W 104 0 11.88
	10844.00	90.62	0.17	10050.92	306.36	291.09	-379.99	2.52	441285.74	643405.97	N 32 12 45.87	W 104 0 11.89
	10938.00	89.86	1.34	10050.52	400.22	385.08	-378.75	1.48	441379.72	643407.21	N 32 12 46.80	W 104 0 11.88
	11031.00	89.59	1.82	10050.97	493.00	478.04	-376.18	0.59	441472.68	643409.78	N 32 12 47.72	W 104 0 11.84
	11125.00	89.73	2.22	10051.53	586.72	571.98	-372.87	0.45	441566.61	643413.09	N 32 12 48.65	W 104 0 11.80
	11218.00	90.07	0.42	10051.69	679.53	664.96	-370.73	1.97	441659.57	643415.23	N 32 12 49.56	W 104 0 11.77
	11311.00	90.21	1.30	10051.46	772.38	757.94	-369.33	0.96	441752.55	643416.63	N 32 12 50.49	W 104 0 11.75
	11503.00	89.86	0.34	10051.35	964.09	949.92	-366.59	0.53	441944.52	643419.37	N 32 12 52.38	W 104 0 11.71
	11598.00	89.11	0.13	10052.20	1058.99	1044.92	-366.20	0.82	442039.50	643419.76	N 32 12 53.32	W 104 0 11.71
	11693.00	89.90	0.92	10053.02	1153.87	1139.91	-365.33	1.18	442134.49	643420.63	N 32 12 54.26	W 104 0 11.69
	11882.00	88.25	358.51	10056.07	1342.70	1328.86	-366.26	1.55	442233.42	643419.70	N 32 12 56.13	W 104 0 11.70
	12072.00	90.65	359.50	10057.90	1532.62	1518.81	-369.56	1.37	442513.35	643416.40	N 32 12 58.01	W 104 0 11.73
	12262.00	91.03	1.44	10055.11	1722.36	1708.77	-368.01	1.04	442703.30	643417.95	N 32 12 59.89	W 104 0 11.70
	12451.00	90.72	1.48	10053.66	1817.14	1803.73	-365.58	0.33	442798.25	643420.37	N 32 13 0.83	W 104 0 11.67
	12544.00	90.83	1.00	10052.39	1910.95	1897.70	-363.55	0.52	442892.21	643422.41	N 32 13 1.76	W 104 0 11.65
	12641.00	91.07	359.75	10050.51	2023.81	2010.68	-362.81	1.13	443005.18	643423.15	N 32 13 2.88	W 104 0 11.63
	12736.00	90.96	1.86	10049.31	2100.71	2087.67	-362.39	1.54	443082.17	643423.57	N 32 13 3.64	W 104 0 11.63
	12831.00	90.72	359.13	10047.02	2195.62	2182.65	-362.38	1.86	443177.14	643423.58	N 32 13 4.58	W 104 0 11.62
	12925.00	90.65	0.67	10045.40	2280.52	2277.84	-362.21	2.06	443272.12	643423.75	N 32 13 5.52	W 104 0 11.62
	13020.00	91.17	1.72	10043.89	2479.17	2466.58	-359.81	0.43	443366.10	643425.17	N 32 13 6.45	W 104 0 11.60
	13115.00	90.90	358.65	10042.18	2574.05	2561.56	-358.50	1.23	443461.05	643427.15	N 32 13 7.39	W 104 0 11.57
	13210.00	90.59	1.55	10040.94	2668.95	2656.54	-358.33	0.37	443550.95	643427.63	N 32 13 8.33	W 104 0 11.56
	13305.00	90.17	359.73	10040.31	2763.81	2751.53	-357.27	1.97	443745.97	643428.69	N 32 13 10.21	W 104 0 11.54
	13399.00	90.83	0.30	10039.49	2857.73	2845.52	-357.25	0.93	443839.96	643428.71	N 32 13 11.14	W 104 0 11.54
	13589.00	92.00	3.71	10034.60	3047.10	3035.32	-350.60	1.90	444029.74	643435.35	N 32 13 13.02	W 104 0 11.45
	13684.00	90.95	0.15	10032.35	3141.78	3130.21	-347.41	3.91	444124.63	643438.55	N 32 13 13.96	W 104 0 11.41
	13779.00	91.47	1.62	10030.35	3236.61	3225.18	-345.94	1.64	444219.59	643440.02	N 32 13 14.90	W 104 0 11.39
	13869.00	90.06	2.41	10027.81	3426.04	3415.04	-339.26	0.85	444409.43	643446.70	N 32 13 16.78	W 104 0 11.31
	14159.00	89.58	1.51	10028.41	3615.50	3604.92	-332.76	0.54	444599.30	643453.19	N 32 13 18.66	W 104 0 11.23
	14253.00	89.27	1.86	10029.35	3709.26	3698.88	-330.00	0.50	444693.25	643455.96	N 32 13 19.58	W 104 0 11.19
	14348.00	89.06	0.75	10030.73	3804.06	3793.84	-327.84	1.19	444788.20	643458.12	N 32 13 20.52	W 104 0 11.16
	14443.00	88.51	357.09	10032.75	3899.00	3888.79	-326.62	3.90	444883.14	643456.33	N 32 13 21.46	W 104 0 11.18
	14633.00	88.20	356.88	10038.20	4088.91	4078.45	-339.61	0.20	445072.79	643446.34	N 32 13 23.34	W 104 0 11.29
	14822.00	89.17	357.67	1								

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 ° ' ")
	18893.00	89.96	1.42	10057.11	8344.51	8334.74	-409.38	0.54	449328.74	643376.59	N 32 14 5.46	W 104 0 11.95
	18987.00	92.02	2.81	10055.48	8438.20	8428.66	-405.91	2.64	449422.65	643380.05	N 32 14 6.39	W 104 0 11.91
	19082.00	89.48	1.74	10054.24	8532.88	8523.57	-402.14	2.90	449517.55	643383.82	N 32 14 7.33	W 104 0 11.86
	19177.00	89.78	1.95	10054.85	8627.62	8618.52	-399.08	0.39	449612.49	643386.88	N 32 14 8.27	W 104 0 11.82
	19271.00	89.61	1.12	10055.35	8721.41	8712.48	-396.56	0.90	449706.45	643389.40	N 32 14 9.20	W 104 0 11.79
	19366.00	89.75	1.15	10055.88	8816.23	8807.46	-394.68	0.15	449801.42	643391.28	N 32 14 10.14	W 104 0 11.76
	19461.00	89.54	0.85	10056.47	8911.07	8902.44	-393.02	0.39	449896.39	643392.94	N 32 14 11.08	W 104 0 11.74
	19650.00	89.34	0.72	10058.32	9099.78	9091.42	-390.43	0.13	450085.35	643395.53	N 32 14 12.95	W 104 0 11.70
	19839.00	89.51	1.21	10060.22	9288.45	9280.38	-387.25	0.27	450274.30	643398.71	N 32 14 14.82	W 104 0 11.66
	20029.00	89.30	0.89	10062.19	9478.11	9470.34	-383.77	0.20	450464.24	643402.19	N 32 14 16.70	W 104 0 11.61
	20217.00	89.65	0.70	10063.91	9665.82	9658.31	-381.16	0.21	450652.20	643404.80	N 32 14 18.56	W 104 0 11.57
	20312.00	90.68	2.30	10063.64	9760.60	9753.27	-378.67	2.00	450747.15	643407.29	N 32 14 19.49	W 104 0 11.54
	20406.00	89.72	359.91	10063.31	9854.42	9847.25	-376.86	2.74	450841.12	643409.10	N 32 14 20.42	W 104 0 11.52
100' FNL Crossed	20473.00	89.68	359.35	10063.66	9921.38	9914.24	-377.29	0.83	450908.11	643408.67	N 32 14 21.09	W 104 0 11.52
Final MWD	20518.00	89.65	358.98	10063.93	9966.37	9959.24	-377.95	0.83	450953.10	643408.01	N 32 14 21.53	W 104 0 11.52
Proj to TD	20560.00	89.65	358.98	10064.18	10008.35	10001.23	-378.69	0.00	450995.09	643407.27	N 32 14 21.95	W 104 0 11.53

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	26.500	1/98.425	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 34H Gyro + MWD 0-20560' MD
	1	26.500	26.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 34H Gyro + MWD 0-20560' MD
	1	26.500	407.000	Act Stns	30.000	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 34H Gyro + Original Borehole / Oxy Oxbow CC
	1	407.000	20560.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	17-8 Federal Com 34H Gyro + MWD 0-20560' MD

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-7942

Oxy USA, Inc. [OGRID 16696]
Oxbow CC 17 8 Federal Com Well No. 034H
API No. 30-015-45086

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	601 FSL & 1271 FWL	P	17	24S	29E	Eddy
First Take Point	100 FSL & 1620 FWL	O	17	24S	29E	Eddy
Last Take Point	100 FNL & 1620 FWL	B	8	24S	29E	Eddy
Terminus	20 FNL & 1620 FWL	B	8	24S	29E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E2 of Section 17 E2 of Section 8	640	Purple Sage; Wolfcamp (GAS)	98220

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 NE/4
Section 5, encroachment to the SE/4

Administrative Order NSL-7942
Oxy USA, Inc.
October 10, 2019
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.

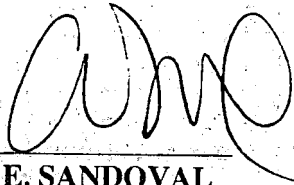
Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 17 and Section 8.

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