

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address OXY USA INC P.O. BOX 4294 HOUSTON, TX 77210		² OGRID Number 16696
		³ Reason for Filing Code/ Effective Date – NW (06/24/2024)
⁴ API Number 30-025-52488	⁵ Pool Name WC-025 G-09 S213232A; UPR WOLFCAMP	⁶ Pool Code 98313
⁷ Property Code: 335225	⁸ Property Name: REGAL LAGER 31-19 FEDERAL COM	⁹ Well Number: #031H

II. ¹⁰ 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	31	21S	32E		304'	SOUTH	2599'	WEST	LEA

¹¹ Bottom Hole Location

FTP: 259' FSL 493' FWL LTP- 197' FNL 455' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	19	21S	32E		43'	NORTH	449'	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code : F		¹⁴ Gas Connection Date: 06/23/2024		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
237722	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 02/15/2024	²² Ready Date 06/24/2024	²³ TD 11598'V/ 27850'MD	²⁴ PBSD 11598'V/ 27805'M	²⁵ Perforations 12286' -27696'MD	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17-1/2"		13-3/8"		845'	
12-1/4"		9-5/8"		4611'	
8-3/4"		7-5/8"		11280'	
6-3/4"		5-1/2"		27830'	
				30 Sacks Cement	
				1070sx – SURF	
				1247sx - SURF	
				333sx – TOC ~8592' – post frac BH	
				956sx – TOC~10780'	

V. Well Test Data

³¹ Date New Oil 07/04/2024	³² Gas Delivery Date 07/04/2024	³³ Test Date 07/08/2024	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3211psi
³⁷ Choke Size	³⁸ Oil 430	³⁹ Water 4847	⁴⁰ Gas 1425		⁴¹ Test Method FLOWING

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Leslie T. Reeves*Printed name:
LESLIE REEVESTitle:
REGULATORY MANAGERE-mail Address:
LESLIE_REEVES@oxy.com

Date: 7/11/2024 Phone: 713-497-2492

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*Title: *PETROLEUM SPECIALIST*Approval Date: *7/9/2025*

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 AS-DRILLED PLAT

¹ API Number 30-025-52488	² Pool Code 98313	³ Pool Name WC-025 G-09 S213232A; UPR WOLFCAMP
⁴ Property Code 335225	⁵ Property Name REGAL LAGER 31 19 FED COM	⁶ Well Number 31H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁹ Elevation 3623'

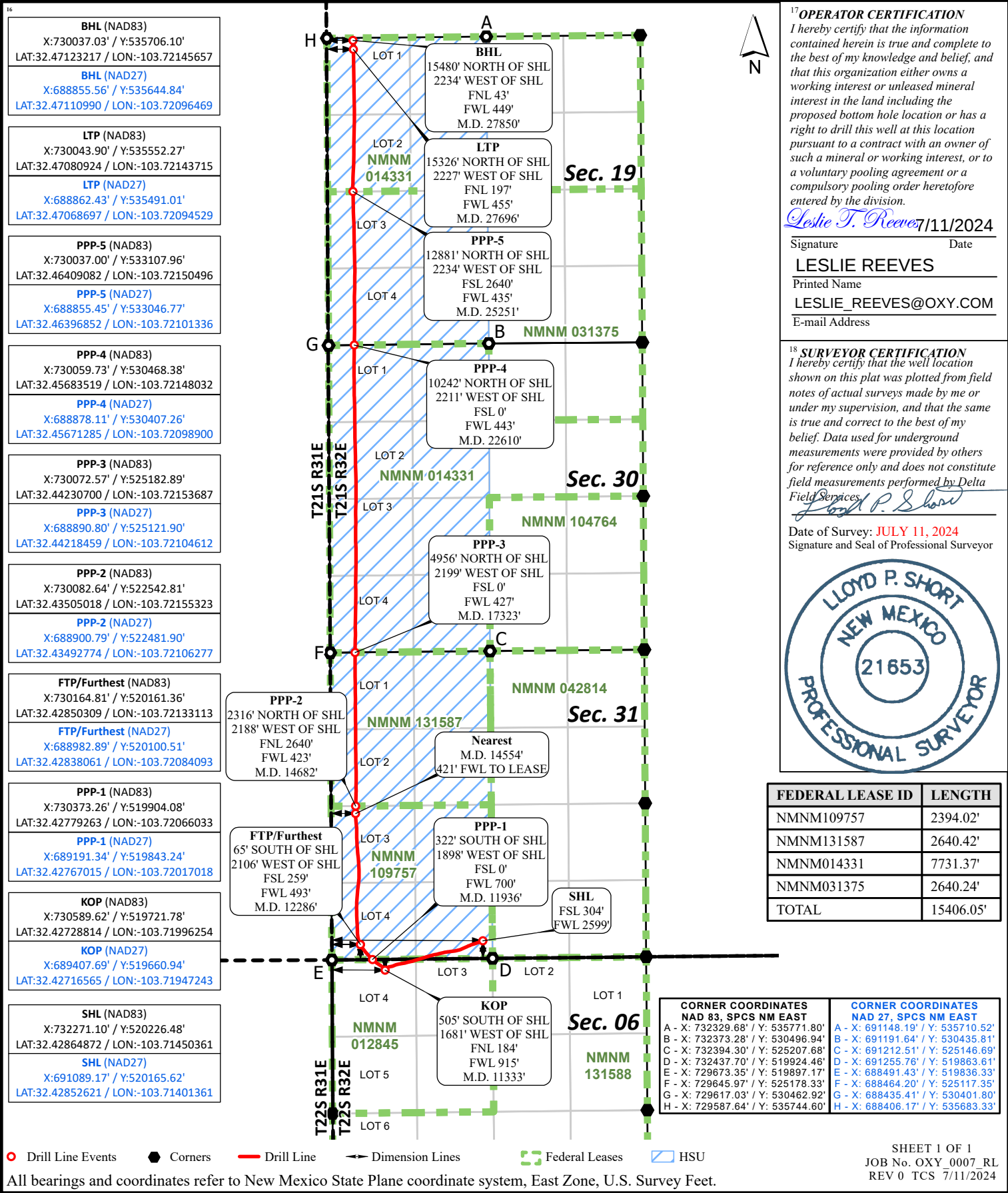
¹⁰ Surface Location

UL or lot no. N	Section 31	Township 21S	Range 32E	Lot Idn	Feet from the 304	North/South line SOUTH	Feet from the 2599	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L 1	Section 19	Township 21S	Range 32E	Lot Idn	Feet from the 43	North/South line NORTH	Feet from the 449	East/West line WEST	County LEA
¹² Dedicated Acres 1,002.32	¹³ Joint or Infill YES	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

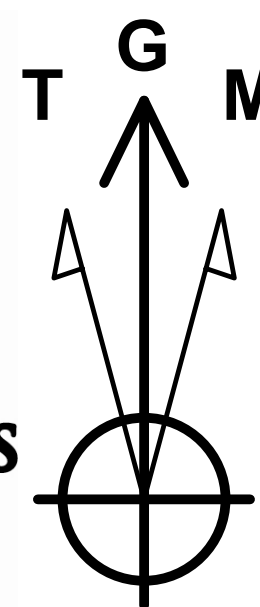




Project: Lea County, NM (NAD83-NME)
Site: Regal Lager 31_19 Fed Com
Well: Regal Lager 31_19 Fed Com 31H
Wellbore: OH / 74226
Design: Plan 4 03-12-24
Rig: H&P 479

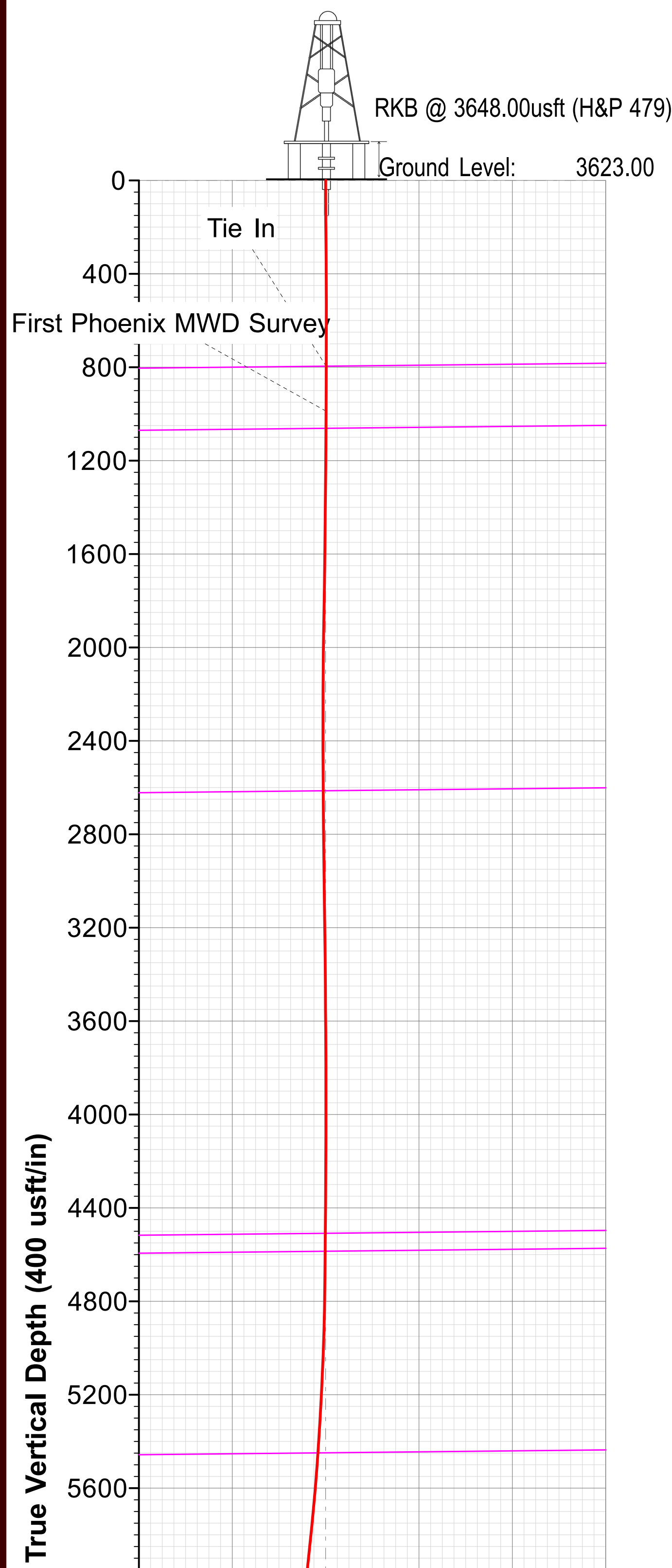


PHOENIX
TECHNOLOGY SERVICES



Azimuths to Grid North
True North: -0.33°
Magnetic North: 6.33°

Magnetic Field
Strength: 47611.7nT
Dip Angle: 60.13°
Date: 2024-02-26
Model: IFR



WELL DETAILS									
		Ground Level:		3623.00		Latitude		Longitude	
		+N/-S		+E/-W		Northing		Easting	
		0.00		0.00		520226.48		732271.10	
						32° 25' 43.135445 N		103° 42' 52.213037 W	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace
1	11187.00	3.15	220.84	10910.33	-497.27	-1675.65	0.00	0.000	-252.16
2	11350.00	3.15	220.84	11073.09	-504.05	-1681.51	0.00	0.000	-258.03
3	11776.68	45.00	295.00	11456.17	-446.27	-1833.52	10.36	77.255	-179.07
4	12429.93	90.60	351.83	11714.49	31.57	-2123.82	10.36	64.781	335.41
5	12953.68	90.59	359.69	11709.02	553.45	-2162.50	1.50	90.001	857.46
6	27903.73	90.59	359.69	11553.96	15502.48	-2243.37	0.00	0.000	15663.96

Annotation
Plan Tie In
KOP, Begin 10.36°/100' Build & Turn
Begin 10.36°/100' Build & Turn
LP, Hold 90.60° Inc, Begin 1.50°/100' Turn
Hold 90.59° Inc at 359.69° Azm
TD at 27903.73

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
795.97	795.99	RUSTLER
1061.98	1062.01	SALADO
2614.11	2614.44	CASTILE
4509.01	4510.04	DELAWARE
4586.02	4587.10	BELL CANYON
5449.34	5473.12	CHERRY CANYON
6714.06	6820.33	BRUSHY CANYON
8478.80	8694.10	BONE SPRING
9523.08	9784.91	BONE SPRING 1ST
10168.25	10442.12	BONE SPRING 2ND
11180.68	11458.58	BONE SPRING 3RD
11664.29	12150.86	WOLFCAMP
11667.59	12224.51	WOLFCAMP

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

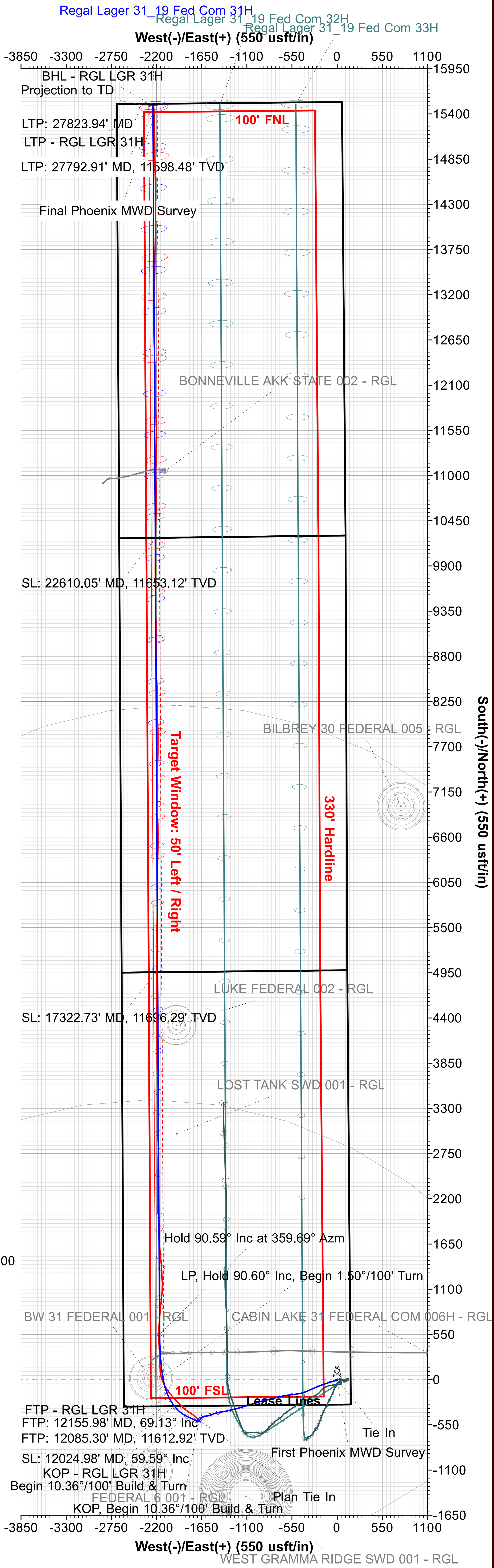
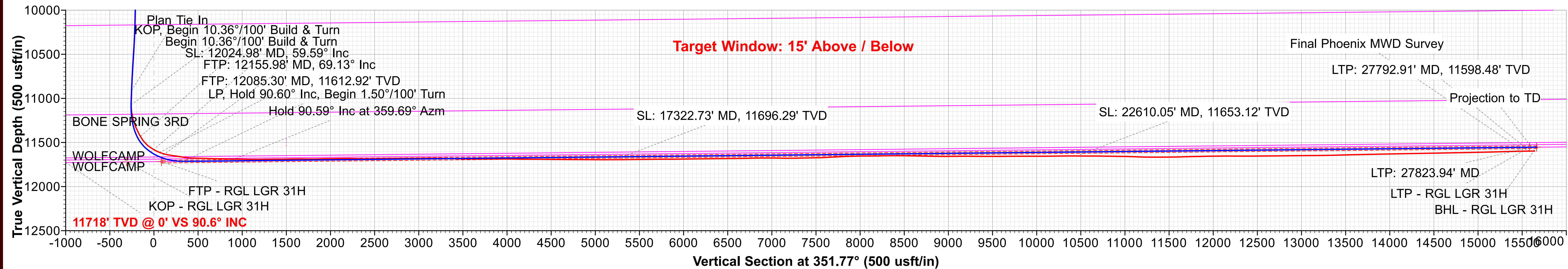
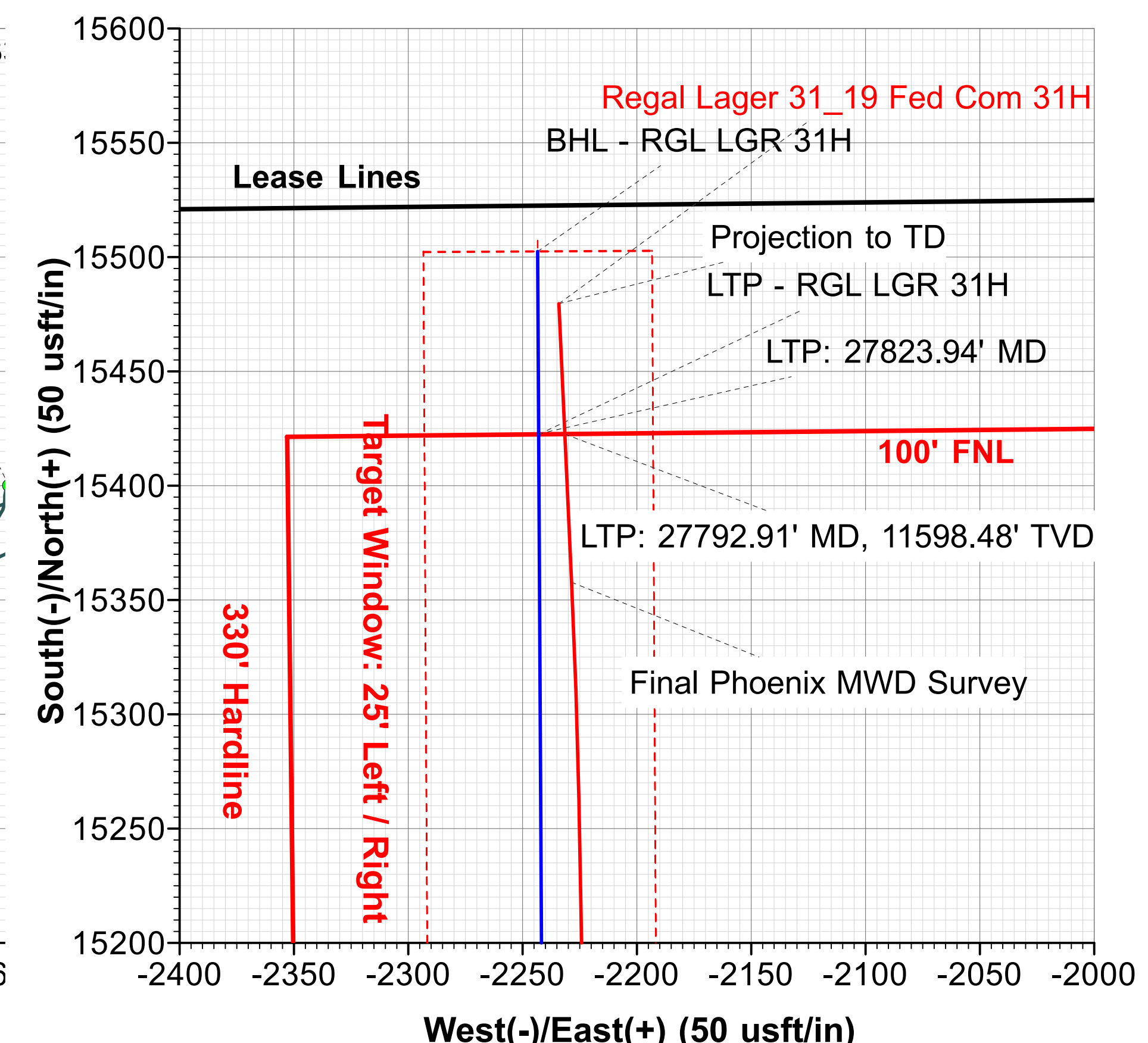
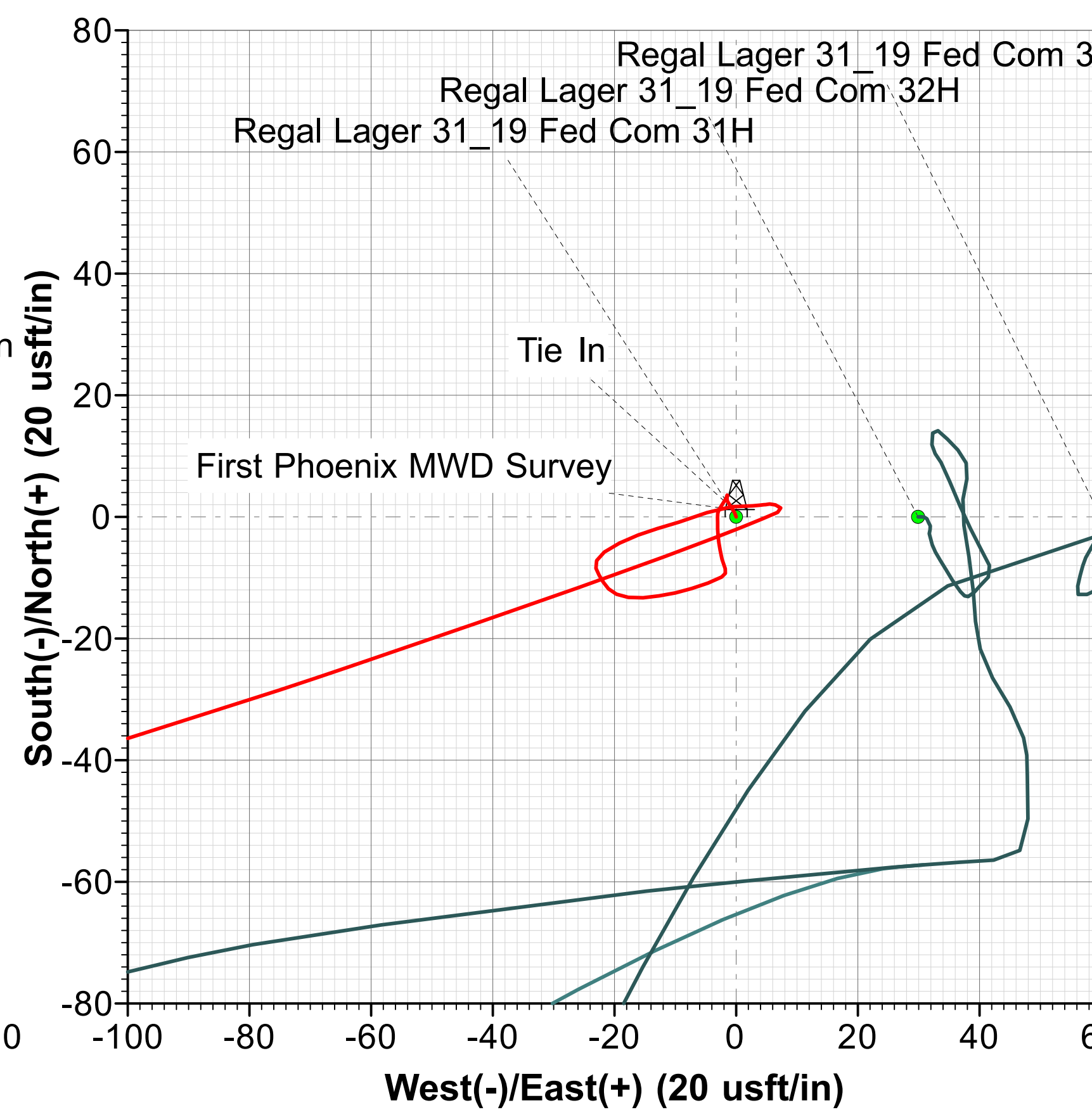
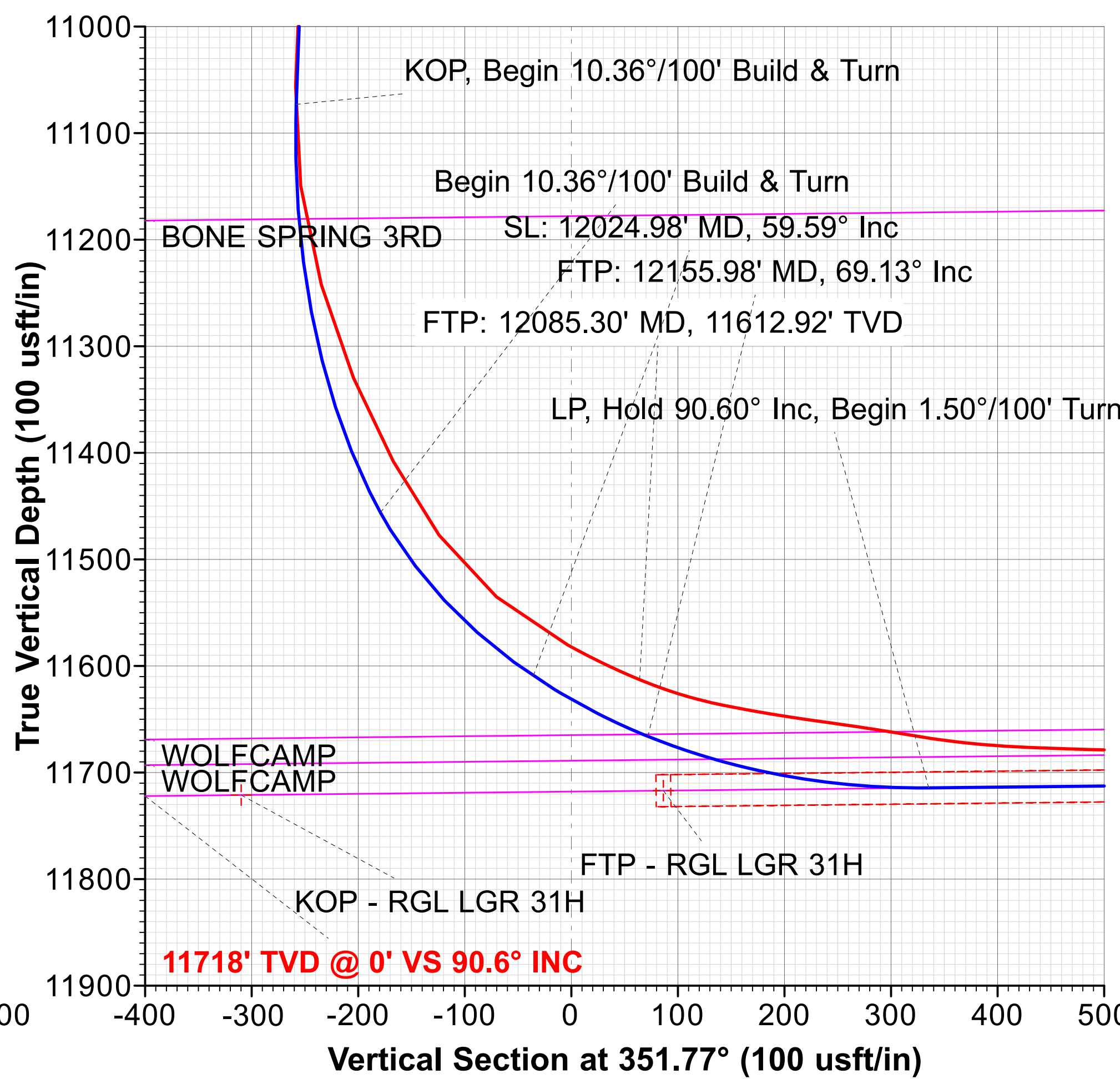
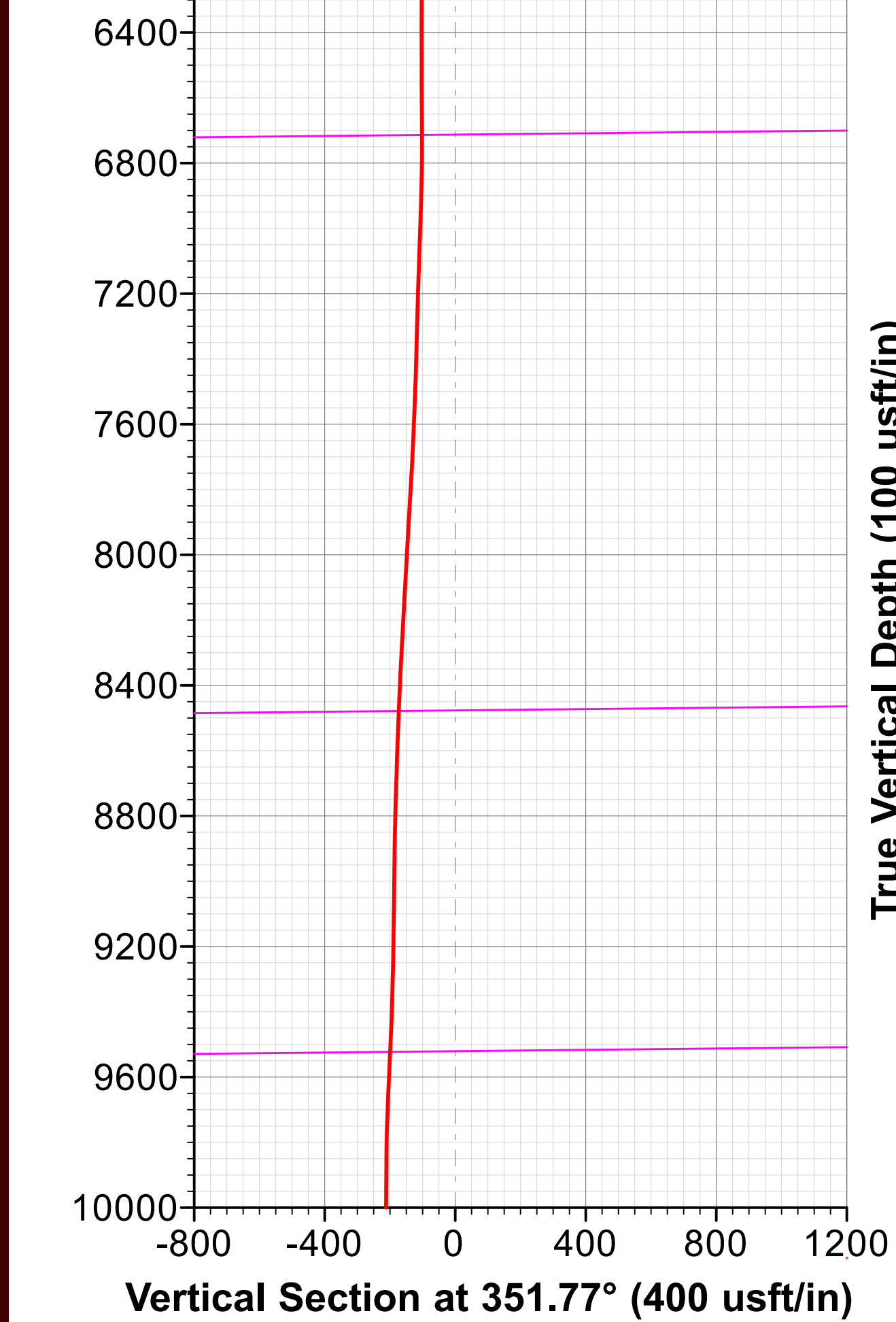
Local Origin: Well Regal Lager 31_19 Fed Com 31H, Grid North

Latitude: 32° 25' 43.135445 N
Longitude: 103° 42' 52.213037 W

Grid East: 732271.10
Grid North: 520226.48
Scale Factor: 1.000

Geomagnetic Model: IFR
Sample Date: 26-Feb-24
Magnetic Declination: 6.665°
Dip Angle from Horizontal: 60.131°
Magnetic Field Strength: 47611.70000000nT

To convert a Magnetic Direction to a Grid Direction, Add 6.333°
To convert a Magnetic Direction to a True Direction, Add 6.665° East
To convert a True Direction to a Grid Direction, Subtract 0.332°





OXY USA INC.

**Lea County, NM (NAD83-NME)
Regal Lager 31_19 Fed Com
Regal Lager 31_19 Fed Com 31H
3002552488
OH / 74226**

Design: Surveys (H&P 479)

Standard Survey Report

08 April, 2024





Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Project	Lea County, NM (NAD83-NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Regal Lager 31_19 Fed Com		
Site Position:		Northing:	520,226.48 usft
From:	Map	Easting:	732,271.10 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 43.135445 N
		Longitude:	103° 42' 52.213037 W

Well	Regal Lager 31_19 Fed Com 31H		
Well Position	+N/-S	0.00 usft	Northing: 520,226.48 usft
	+E/-W	0.00 usft	Easting: 732,271.10 usft
Position Uncertainty	2.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.332 °	Ground Level:	3,623.00 usft

Wellbore	OH / 74226				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	2024-02-26	6.665	60.131	47,611.70000000

Design	Surveys (H&P 479)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	351.77	

Survey Program	Date	2024-04-08			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	797.00	Surface Surveys - Adjusted (OH / 74226)	SQC_C713Mb_MWD+HR MWD+HRGM+Sag+FDIR		
988.00	11,187.00	Phoenix MWD Surveys - SQC R2 (OH / 74226)	SQC_C705Mb_MWD+IFF MWD+IFR1+Sag+FDIR		
988.00	27,850.00	Phoenix MWD Surveys - SQC Final (OH / 74226)	SQC_C705Mb_MWD+IFF MWD+IFR1+Sag+FDIR		

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	
170.00	0.60	340.96	170.00	0.72	-0.25	0.75	0.41	0.41	0.00	
258.00	0.80	318.21	257.99	1.61	-0.81	1.71	0.38	0.23	-25.85	
352.00	0.59	341.13	351.98	2.56	-1.40	2.73	0.37	-0.22	24.38	
447.00	0.30	358.81	446.98	3.27	-1.56	3.46	0.33	-0.31	18.61	
541.00	0.16	53.19	540.98	3.59	-1.46	3.77	0.26	-0.15	57.85	
635.00	0.22	188.00	634.98	3.49	-1.38	3.66	0.37	0.06	143.41	



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
729.00	0.41	219.31	728.98	3.06	-1.62	3.26	0.27	0.20	33.31
797.00	0.54	209.05	796.98	2.59	-1.93	2.84	0.23	0.19	-15.09
Tie In									
988.00	0.22	219.10	987.97	1.52	-2.60	1.87	0.17	-0.17	5.26
First Phoenix MWD Survey									
1,082.00	0.31	208.78	1,081.97	1.15	-2.84	1.55	0.11	0.10	-10.98
1,177.00	0.43	188.65	1,176.97	0.58	-3.01	1.00	0.18	0.13	-21.19
1,272.00	0.37	175.11	1,271.97	-0.08	-3.04	0.35	0.12	-0.06	-14.25
1,368.00	0.60	181.11	1,367.96	-0.89	-3.03	-0.45	0.25	0.24	6.25
1,463.00	0.67	178.96	1,462.96	-1.95	-3.02	-1.49	0.08	0.07	-2.26
1,558.00	0.70	175.32	1,557.95	-3.08	-2.97	-2.62	0.06	0.03	-3.83
1,653.00	0.71	171.35	1,652.94	-4.24	-2.83	-3.79	0.05	0.01	-4.18
1,748.00	0.82	168.57	1,747.94	-5.49	-2.61	-5.06	0.12	0.12	-2.93
1,843.00	0.99	168.03	1,842.92	-6.96	-2.30	-6.56	0.18	0.18	-0.57
1,937.00	1.04	156.85	1,936.91	-8.54	-1.80	-8.19	0.22	0.05	-11.89
2,033.00	1.25	239.58	2,032.89	-9.87	-2.36	-9.43	1.58	0.22	86.18
2,128.00	1.73	250.23	2,127.86	-10.88	-4.60	-10.11	0.58	0.51	11.21
2,222.00	1.74	253.05	2,221.82	-11.77	-7.30	-10.61	0.09	0.01	3.00
2,317.00	1.61	257.29	2,316.78	-12.49	-9.98	-10.93	0.19	-0.14	4.46
2,412.00	1.66	261.78	2,411.74	-12.98	-12.65	-11.03	0.14	0.05	4.73
2,507.00	1.55	264.99	2,506.70	-13.29	-15.29	-10.96	0.15	-0.12	3.38
2,602.00	1.39	278.59	2,601.67	-13.23	-17.71	-10.55	0.40	-0.17	14.32
2,697.00	1.04	293.08	2,696.65	-12.72	-19.64	-9.77	0.49	-0.37	15.25
2,792.00	0.93	316.10	2,791.64	-11.82	-20.97	-8.70	0.43	-0.12	24.23
2,887.00	0.82	329.75	2,886.63	-10.68	-21.85	-7.44	0.25	-0.12	14.37
2,982.00	0.74	328.03	2,981.62	-9.57	-22.51	-6.25	0.09	-0.08	-1.81
3,076.00	0.78	342.33	3,075.61	-8.45	-23.03	-5.06	0.21	0.04	15.21
3,171.00	0.89	25.27	3,170.60	-7.17	-22.91	-3.81	0.65	0.12	45.20
3,266.00	1.45	52.47	3,265.58	-5.77	-21.64	-2.61	0.81	0.59	28.63
3,361.00	2.03	64.20	3,360.54	-4.30	-19.17	-1.51	0.71	0.61	12.35
3,456.00	1.96	69.34	3,455.48	-3.00	-16.14	-0.65	0.20	-0.07	5.41
3,551.00	2.07	73.44	3,550.42	-1.93	-12.98	-0.06	0.19	0.12	4.32
3,646.00	2.49	73.33	3,645.34	-0.85	-9.35	0.50	0.44	0.44	-0.12
3,741.00	3.33	69.45	3,740.22	0.71	-4.79	1.39	0.91	0.88	-4.08
3,836.00	1.75	90.59	3,835.13	1.66	-0.76	1.75	1.91	-1.66	22.25
3,931.00	2.46	84.91	3,930.06	1.83	2.72	1.42	0.78	0.75	-5.98
4,025.00	0.17	76.97	4,024.03	2.04	4.87	1.32	2.44	-2.44	-8.45
4,120.00	0.61	83.77	4,119.03	2.12	5.51	1.31	0.46	0.46	7.16
4,215.00	0.62	115.12	4,214.02	1.96	6.48	1.01	0.35	0.01	33.00
4,310.00	0.58	125.24	4,309.02	1.47	7.33	0.40	0.12	-0.04	10.65
4,405.00	1.20	244.04	4,404.01	0.75	6.83	-0.23	1.65	0.65	125.05
4,500.00	2.02	248.69	4,498.97	-0.29	4.38	-0.92	0.87	0.86	4.89
4,568.00	2.15	246.85	4,566.93	-1.23	2.09	-1.52	0.22	0.19	-2.71
4,675.00	2.66	249.89	4,673.83	-2.87	-2.09	-2.54	0.49	0.48	2.84



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,770.00	3.17	248.66	4,768.71	-4.59	-6.60	-3.59	0.54	0.54	-1.29
4,865.00	6.33	250.13	4,863.37	-7.32	-13.98	-5.24	3.33	3.33	1.55
4,960.00	9.02	250.22	4,957.51	-11.62	-25.91	-7.79	2.83	2.83	0.09
5,055.00	12.43	251.08	5,050.84	-17.46	-42.60	-11.18	3.59	3.59	0.91
5,150.00	14.16	251.10	5,143.29	-24.54	-63.27	-15.23	1.82	1.82	0.02
5,244.00	17.89	252.63	5,233.62	-32.58	-87.93	-19.65	3.99	3.97	1.63
5,339.00	19.99	252.20	5,323.47	-41.90	-117.32	-24.66	2.22	2.21	-0.45
5,434.00	20.35	251.94	5,412.65	-51.98	-148.49	-30.18	0.39	0.38	-0.27
5,529.00	20.60	250.30	5,501.65	-62.74	-179.93	-36.32	0.66	0.26	-1.73
5,623.00	21.11	249.82	5,589.49	-74.15	-211.38	-43.11	0.57	0.54	-0.51
5,718.00	20.81	247.54	5,678.20	-86.50	-243.04	-50.80	0.91	-0.32	-2.40
5,813.00	20.27	245.67	5,767.16	-99.73	-273.63	-59.51	0.89	-0.57	-1.97
5,908.00	20.31	245.63	5,856.27	-113.31	-303.64	-68.66	0.04	0.04	-0.04
6,003.00	20.28	245.73	5,945.37	-126.88	-333.67	-77.79	0.05	-0.03	0.11
6,098.00	19.71	246.55	6,034.65	-140.02	-363.37	-86.54	0.67	-0.60	0.86
6,193.00	19.80	249.41	6,124.06	-152.06	-393.13	-94.19	1.02	0.09	3.01
6,288.00	19.94	253.95	6,213.41	-162.19	-423.76	-99.83	1.63	0.15	4.78
6,383.00	19.83	260.03	6,302.75	-169.46	-455.21	-102.52	2.18	-0.12	6.40
6,478.00	19.92	261.93	6,392.09	-174.53	-487.10	-102.96	0.69	0.09	2.00
6,573.00	20.04	262.27	6,481.38	-178.99	-519.25	-102.78	0.18	0.13	0.36
6,667.00	19.88	262.29	6,569.73	-183.30	-551.05	-102.49	0.17	-0.17	0.02
6,762.00	20.07	263.04	6,659.01	-187.44	-583.24	-101.98	0.34	0.20	0.79
6,857.00	18.34	261.61	6,748.72	-191.60	-614.21	-101.66	1.89	-1.82	-1.51
6,952.00	19.38	258.64	6,838.63	-196.88	-644.45	-102.56	1.49	1.09	-3.13
7,047.00	19.85	257.07	6,928.11	-203.60	-675.62	-104.74	0.74	0.49	-1.65
7,142.00	19.45	256.07	7,017.58	-211.01	-706.69	-107.63	0.55	-0.42	-1.05
7,237.00	19.80	256.27	7,107.06	-218.64	-737.67	-110.74	0.38	0.37	0.21
7,332.00	18.61	256.58	7,196.77	-225.98	-768.05	-113.65	1.26	-1.25	0.33
7,427.00	19.44	257.82	7,286.58	-232.83	-798.25	-116.11	0.97	0.87	1.31
7,522.00	19.39	256.90	7,376.18	-239.74	-829.06	-118.53	0.33	-0.05	-0.97
7,617.00	19.82	256.71	7,465.67	-247.02	-860.09	-121.29	0.46	0.45	-0.20
7,712.00	19.36	255.43	7,555.18	-254.68	-891.01	-124.45	0.66	-0.48	-1.35
7,807.00	19.86	254.21	7,644.67	-263.03	-921.78	-128.31	0.68	0.53	-1.28
7,902.00	19.29	253.10	7,734.17	-271.99	-952.32	-132.79	0.72	-0.60	-1.17
7,996.00	19.88	252.37	7,822.74	-281.34	-982.41	-137.74	0.68	0.63	-0.78
8,091.00	20.10	252.41	7,912.01	-291.16	-1,013.36	-143.03	0.23	0.23	0.04
8,186.00	19.82	252.76	8,001.31	-300.87	-1,044.30	-148.21	0.32	-0.29	0.37
8,281.00	20.43	253.42	8,090.51	-310.38	-1,075.58	-153.13	0.69	0.64	0.69
8,376.00	20.64	253.57	8,179.47	-319.84	-1,107.53	-157.93	0.23	0.22	0.16
8,471.00	19.66	253.15	8,268.65	-329.21	-1,138.88	-162.71	1.04	-1.03	-0.44
8,565.00	19.70	253.41	8,357.16	-338.32	-1,169.20	-167.38	0.10	0.04	0.28
8,660.00	19.87	255.29	8,446.56	-346.99	-1,200.16	-171.53	0.69	0.18	1.98
8,755.00	19.22	255.73	8,536.08	-354.94	-1,230.93	-174.99	0.70	-0.68	0.46



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,850.00	18.64	256.21	8,625.94	-362.42	-1,260.83	-178.11	0.63	-0.61	0.51
8,945.00	17.37	256.31	8,716.29	-369.39	-1,289.36	-180.92	1.34	-1.34	0.11
9,040.00	14.95	256.31	8,807.53	-375.65	-1,315.04	-183.44	2.55	-2.55	0.00
9,135.00	15.74	257.64	8,899.14	-381.31	-1,339.54	-185.53	0.91	0.83	1.40
9,230.00	17.91	259.17	8,990.07	-386.81	-1,366.47	-187.12	2.33	2.28	1.61
9,325.00	19.26	261.92	9,080.11	-391.76	-1,396.34	-187.74	1.69	1.42	2.89
9,420.00	17.60	259.23	9,170.24	-396.65	-1,425.96	-188.33	1.96	-1.75	-2.83
9,515.00	16.13	256.28	9,261.15	-402.46	-1,452.89	-190.23	1.79	-1.55	-3.11
9,610.00	16.98	256.65	9,352.22	-408.79	-1,479.21	-192.73	0.90	0.89	0.39
9,704.00	11.52	250.70	9,443.29	-415.07	-1,501.44	-195.76	6.01	-5.81	-6.33
9,799.00	8.78	244.12	9,536.80	-421.37	-1,516.92	-199.78	3.13	-2.88	-6.93
9,894.00	11.99	249.26	9,630.23	-428.03	-1,532.68	-204.11	3.51	3.38	5.41
9,989.00	13.25	253.25	9,722.94	-434.66	-1,552.33	-207.86	1.61	1.33	4.20
10,084.00	12.69	258.00	9,815.52	-439.97	-1,572.96	-210.16	1.27	-0.59	5.00
10,179.00	12.08	260.51	9,908.31	-443.78	-1,592.97	-211.06	0.86	-0.64	2.64
10,274.00	9.25	257.47	10,001.66	-447.08	-1,610.24	-211.85	3.04	-2.98	-3.20
10,368.00	8.03	251.51	10,094.59	-450.80	-1,623.84	-213.59	1.61	-1.30	-6.34
10,464.00	6.94	247.63	10,189.77	-455.13	-1,635.56	-216.20	1.25	-1.14	-4.04
10,558.00	5.73	240.55	10,283.20	-459.60	-1,644.90	-219.28	1.53	-1.29	-7.53
10,653.00	5.43	223.83	10,377.75	-465.17	-1,652.14	-223.76	1.73	-0.32	-17.60
10,748.00	5.41	219.42	10,472.33	-471.88	-1,658.10	-229.54	0.44	-0.02	-4.64
10,843.00	4.92	215.40	10,566.94	-478.66	-1,663.30	-235.51	0.64	-0.52	-4.23
10,938.00	4.10	211.21	10,661.65	-484.88	-1,667.42	-241.08	0.93	-0.86	-4.41
11,033.00	3.67	211.09	10,756.43	-490.39	-1,670.75	-246.05	0.45	-0.45	-0.13
11,127.00	3.58	213.57	10,850.24	-495.41	-1,673.93	-250.57	0.19	-0.10	2.64
11,187.00	3.16	220.83	10,910.14	-498.22	-1,676.05	-253.05	1.00	-0.70	12.10
11,333.00	3.48	219.22	11,055.89	-504.70	-1,681.48	-258.68	0.23	0.22	-1.10
11,427.00	8.30	341.55	11,149.58	-500.46	-1,685.44	-253.92	11.25	5.13	130.14
11,522.00	16.57	329.85	11,242.28	-482.21	-1,694.43	-234.57	9.06	8.71	-12.32
11,617.00	29.54	309.52	11,329.64	-455.44	-1,719.45	-204.49	15.84	13.65	-21.40
11,712.00	39.17	303.61	11,408.00	-423.85	-1,762.61	-167.04	10.72	10.14	-6.22
11,807.00	46.91	303.12	11,477.38	-388.23	-1,816.73	-124.04	8.15	8.15	-0.52
11,902.00	57.95	311.51	11,535.28	-342.40	-1,876.18	-70.17	13.55	11.62	8.83
11,997.00	65.39	317.89	11,580.36	-283.56	-1,935.42	-3.44	9.81	7.83	6.72
12,085.30	71.32	316.63	11,612.92	-223.32	-1,991.11	64.15	6.84	6.71	-1.43
FTP: 12085.30' MD, 11612.92' TVD									
12,091.00	71.70	316.55	11,614.73	-219.39	-1,994.82	68.57	6.84	6.72	-1.37
12,186.00	80.21	323.30	11,637.79	-148.92	-2,053.99	146.79	11.30	8.96	7.11
12,281.00	82.67	332.25	11,651.96	-69.52	-2,104.00	232.53	9.67	2.59	9.42
12,376.00	80.56	343.96	11,665.86	17.51	-2,139.01	323.67	12.39	-2.22	12.33
12,471.00	87.32	355.95	11,675.92	110.31	-2,155.39	417.87	14.42	7.12	12.62
12,566.00	88.75	359.39	11,679.18	205.16	-2,159.24	512.29	3.92	1.51	3.62
12,660.00	88.18	357.27	11,681.69	299.08	-2,161.98	605.64	2.33	-0.61	-2.26



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,679.00	88.36	356.89	11,682.27	318.05	-2,162.95	624.55	2.21	0.95	-2.00
12,773.00	88.46	356.99	11,684.88	411.88	-2,167.96	718.13	0.15	0.11	0.11
12,868.00	88.07	358.95	11,687.75	506.77	-2,171.33	812.52	2.10	-0.41	2.06
12,963.00	89.72	1.33	11,689.58	601.74	-2,171.10	906.48	3.05	1.74	2.51
13,058.00	88.71	3.71	11,690.89	696.63	-2,166.92	999.80	2.72	-1.06	2.51
13,153.00	89.48	5.19	11,692.39	791.33	-2,159.55	1,092.46	1.76	0.81	1.56
13,248.00	90.15	5.43	11,692.69	885.92	-2,150.76	1,184.82	0.75	0.71	0.25
13,342.00	91.62	7.42	11,691.24	979.32	-2,140.24	1,275.74	2.63	1.56	2.12
13,437.00	89.86	3.49	11,690.01	1,073.86	-2,131.21	1,368.01	4.53	-1.85	-4.14
13,532.00	90.69	358.23	11,689.56	1,168.81	-2,129.79	1,461.79	5.61	0.87	-5.54
13,627.00	91.42	356.81	11,687.81	1,263.70	-2,133.90	1,556.29	1.68	0.77	-1.49
13,721.00	89.93	357.27	11,686.70	1,357.57	-2,138.75	1,649.88	1.66	-1.59	0.49
13,816.00	88.77	353.12	11,687.78	1,452.20	-2,146.71	1,744.68	4.54	-1.22	-4.37
13,911.00	91.89	355.29	11,687.23	1,546.70	-2,156.30	1,839.58	4.00	3.28	2.28
14,006.00	91.62	356.76	11,684.32	1,641.42	-2,162.88	1,934.27	1.57	-0.28	1.55
14,101.00	89.97	357.24	11,683.00	1,736.28	-2,167.85	2,028.86	1.81	-1.74	0.51
14,195.00	91.77	0.63	11,681.58	1,830.24	-2,169.60	2,122.10	4.08	1.91	3.61
14,290.00	88.95	358.08	11,680.98	1,925.21	-2,170.67	2,216.24	4.00	-2.97	-2.68
14,385.00	87.77	352.38	11,683.70	2,019.80	-2,178.56	2,310.99	6.12	-1.24	-6.00
14,480.00	89.29	356.92	11,686.14	2,114.33	-2,187.41	2,405.81	5.04	1.60	4.78
14,576.00	91.33	0.34	11,685.62	2,210.28	-2,189.71	2,501.10	4.15	2.13	3.56
14,671.00	91.30	0.93	11,683.44	2,305.25	-2,188.65	2,594.94	0.62	-0.03	0.62
14,766.00	91.22	2.46	11,681.35	2,400.18	-2,185.84	2,688.49	1.61	-0.08	1.61
14,860.00	90.44	2.22	11,679.99	2,494.09	-2,182.01	2,780.89	0.87	-0.83	-0.26
14,955.00	89.11	359.30	11,680.36	2,589.07	-2,180.75	2,874.71	3.38	-1.40	-3.07
15,050.00	91.87	1.08	11,679.55	2,684.06	-2,180.43	2,968.66	3.46	2.91	1.87
15,145.00	90.39	0.18	11,677.68	2,779.03	-2,179.39	3,062.51	1.82	-1.56	-0.95
15,239.00	89.12	359.18	11,678.08	2,873.02	-2,179.91	3,155.61	1.72	-1.35	-1.06
15,334.00	88.70	358.07	11,679.88	2,967.98	-2,182.19	3,249.91	1.25	-0.44	-1.17
15,429.00	88.57	358.26	11,682.15	3,062.90	-2,185.23	3,344.29	0.24	-0.14	0.20
15,523.00	88.58	0.36	11,684.49	3,156.86	-2,186.36	3,437.44	2.23	0.01	2.23
15,618.00	88.74	358.97	11,686.71	3,251.83	-2,186.92	3,531.51	1.47	0.17	-1.46
15,712.00	90.04	0.30	11,687.71	3,345.82	-2,187.52	3,624.62	1.98	1.38	1.41
15,807.00	89.94	359.94	11,687.72	3,440.82	-2,187.32	3,718.61	0.39	-0.11	-0.38
15,902.00	89.95	359.60	11,687.82	3,535.82	-2,187.70	3,812.69	0.36	0.01	-0.36
15,997.00	90.25	359.69	11,687.65	3,630.82	-2,188.29	3,906.79	0.33	0.32	0.09
16,092.00	89.59	358.38	11,687.78	3,725.80	-2,189.89	4,001.02	1.54	-0.69	-1.38
16,187.00	88.95	359.16	11,688.99	3,820.77	-2,191.93	4,095.31	1.06	-0.67	0.82
16,281.00	90.06	0.17	11,689.81	3,914.76	-2,192.48	4,188.41	1.60	1.18	1.07
16,375.00	89.67	359.38	11,690.03	4,008.76	-2,192.85	4,281.49	0.94	-0.41	-0.84
16,470.00	89.71	0.90	11,690.54	4,103.75	-2,192.61	4,375.47	1.60	0.04	1.60
16,565.00	89.10	358.90	11,691.53	4,198.74	-2,192.78	4,469.51	2.20	-0.64	-2.11
16,659.00	89.40	359.45	11,692.76	4,292.73	-2,194.13	4,562.71	0.67	0.32	0.59
16,754.00	89.54	359.64	11,693.64	4,387.72	-2,194.89	4,656.83	0.25	0.15	0.20



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,848.00	89.70	359.12	11,694.26	4,481.71	-2,195.91	4,750.00	0.58	0.17	-0.55
16,943.00	90.00	359.66	11,694.51	4,576.70	-2,196.92	4,844.16	0.65	0.32	0.57
17,037.00	89.72	359.96	11,694.74	4,670.70	-2,197.23	4,937.24	0.44	-0.30	0.32
17,132.00	89.52	359.29	11,695.37	4,765.70	-2,197.85	5,031.34	0.74	-0.21	-0.71
17,227.00	89.27	359.63	11,696.37	4,860.69	-2,198.75	5,125.48	0.44	-0.26	0.36
17,321.00	90.80	0.61	11,696.31	4,954.68	-2,198.55	5,218.48	1.93	1.63	1.04
17,322.73	90.80	0.62	11,696.29	4,956.41	-2,198.53	5,220.19	0.57	0.05	0.57
SL: 17322.73' MD, 11696.29' TVD									
17,510.00	90.90	1.69	11,693.51	5,143.62	-2,194.76	5,404.93	0.57	0.05	0.57
17,605.00	90.45	0.88	11,692.39	5,238.59	-2,192.63	5,498.61	0.98	-0.47	-0.85
17,700.00	90.31	358.18	11,691.76	5,333.58	-2,193.40	5,592.73	2.85	-0.15	-2.84
17,794.00	91.57	0.74	11,690.22	5,427.55	-2,194.29	5,685.86	3.04	1.34	2.72
17,889.00	88.93	0.90	11,689.80	5,522.53	-2,192.93	5,779.67	2.78	-2.78	0.17
17,983.00	91.06	1.50	11,689.81	5,616.51	-2,190.96	5,872.39	2.35	2.27	0.64
18,172.00	90.60	0.56	11,687.07	5,805.45	-2,187.57	6,058.90	0.55	-0.24	-0.50
18,267.00	90.51	0.87	11,686.15	5,900.44	-2,186.38	6,152.74	0.34	-0.09	0.33
18,361.00	90.66	0.00	11,685.19	5,994.43	-2,185.67	6,245.66	0.94	0.16	-0.93
18,456.00	90.36	358.69	11,684.35	6,089.42	-2,186.75	6,339.83	1.41	-0.32	-1.38
18,551.00	90.69	0.52	11,683.48	6,184.41	-2,187.41	6,433.93	1.96	0.35	1.93
18,740.00	90.53	1.18	11,681.47	6,373.38	-2,184.60	6,620.55	0.36	-0.08	0.35
18,835.00	91.78	1.23	11,679.55	6,468.33	-2,182.61	6,714.24	1.32	1.32	0.05
18,929.00	90.77	0.34	11,677.46	6,562.30	-2,181.32	6,807.06	1.43	-1.07	-0.95
19,024.00	90.32	359.65	11,676.56	6,657.29	-2,181.33	6,901.07	0.87	-0.47	-0.73
19,118.00	89.73	358.17	11,676.52	6,751.27	-2,183.12	6,994.34	1.69	-0.63	-1.57
19,213.00	88.68	357.77	11,677.83	6,846.20	-2,186.48	7,088.77	1.18	-1.11	-0.42
19,307.00	90.11	0.63	11,678.83	6,940.18	-2,187.79	7,181.96	3.40	1.52	3.04
19,402.00	90.48	359.11	11,678.34	7,035.17	-2,188.01	7,276.01	1.65	0.39	-1.60
19,496.00	92.04	3.13	11,676.27	7,129.11	-2,186.17	7,368.72	4.59	1.66	4.28
19,591.00	90.49	358.28	11,674.17	7,224.05	-2,185.01	7,462.51	5.36	-1.63	-5.11
19,686.00	91.21	358.06	11,672.76	7,318.99	-2,188.04	7,556.91	0.79	0.76	-0.23
19,780.00	94.29	2.68	11,668.25	7,412.84	-2,187.44	7,649.71	5.90	3.28	4.91
19,969.00	91.70	0.04	11,658.37	7,601.50	-2,182.96	7,835.78	1.96	-1.37	-1.40
20,064.00	91.55	0.13	11,655.68	7,696.46	-2,182.82	7,929.74	0.18	-0.16	0.09
20,158.00	90.25	0.51	11,654.20	7,790.44	-2,182.30	8,022.68	1.44	-1.38	0.40
20,252.00	90.44	359.05	11,653.64	7,884.44	-2,182.66	8,115.76	1.57	0.20	-1.55
20,347.00	90.63	358.05	11,652.75	7,979.40	-2,185.06	8,210.09	1.07	0.20	-1.05
20,441.00	91.00	358.85	11,651.41	8,073.36	-2,187.61	8,303.44	0.94	0.39	0.85
20,535.00	89.57	358.51	11,650.95	8,167.33	-2,189.77	8,396.75	1.56	-1.52	-0.36
20,629.00	90.59	0.08	11,650.81	8,261.32	-2,190.93	8,489.94	1.99	1.09	1.67
20,723.00	88.55	358.15	11,651.52	8,355.30	-2,192.38	8,583.15	2.99	-2.17	-2.05
20,817.00	88.76	358.40	11,653.73	8,449.23	-2,195.21	8,676.52	0.35	0.22	0.27
20,912.00	88.54	358.26	11,655.96	8,544.16	-2,197.98	8,770.87	0.27	-0.23	-0.15
21,100.00	90.12	359.53	11,658.16	8,732.10	-2,201.60	8,957.39	1.08	0.84	0.68



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,289.00	90.67	0.11	11,656.86	8,921.10	-2,202.19	9,144.52	0.42	0.29	0.31
21,383.00	89.49	359.53	11,656.73	9,015.09	-2,202.49	9,237.59	1.40	-1.26	-0.62
21,478.00	90.05	358.44	11,657.11	9,110.08	-2,204.17	9,331.84	1.29	0.59	-1.15
21,666.00	89.58	358.02	11,657.72	9,297.98	-2,209.98	9,518.64	0.34	-0.25	-0.22
21,761.00	90.39	359.94	11,657.74	9,392.96	-2,211.67	9,612.88	2.19	0.85	2.02
21,855.00	90.59	359.64	11,656.94	9,486.96	-2,212.01	9,705.96	0.38	0.21	-0.32
21,950.00	90.36	359.35	11,656.15	9,581.95	-2,212.85	9,800.09	0.39	-0.24	-0.31
22,044.00	89.59	358.40	11,656.19	9,675.93	-2,214.70	9,893.37	1.30	-0.82	-1.01
22,138.00	90.10	0.19	11,656.45	9,769.92	-2,215.85	9,986.56	1.98	0.54	1.90
22,233.00	90.11	0.20	11,656.27	9,864.92	-2,215.53	10,080.53	0.01	0.01	0.01
22,423.00	91.14	0.50	11,654.20	10,054.90	-2,214.37	10,268.39	0.56	0.54	0.16
22,518.00	90.46	1.47	11,652.87	10,149.88	-2,212.74	10,362.15	1.25	-0.72	1.02
22,610.05	89.23	0.23	11,653.12	10,241.91	-2,211.37	10,453.04	1.90	-1.34	-1.35
SL: 22610.05' MD, 11653.12' TVD									
22,613.00	89.19	0.19	11,653.16	10,244.86	-2,211.36	10,455.96	1.90	-1.34	-1.35
22,707.00	89.48	0.96	11,654.25	10,338.85	-2,210.42	10,548.84	0.88	0.31	0.82
22,802.00	90.48	1.63	11,654.29	10,433.83	-2,208.27	10,642.53	1.27	1.05	0.71
22,897.00	89.24	359.82	11,654.52	10,528.81	-2,207.07	10,736.36	2.31	-1.31	-1.91
22,992.00	88.85	0.91	11,656.10	10,623.80	-2,206.46	10,830.28	1.22	-0.41	1.15
23,087.00	89.26	359.87	11,657.67	10,718.78	-2,205.82	10,924.19	1.18	0.43	-1.09
23,182.00	88.59	359.71	11,659.45	10,813.76	-2,206.16	11,018.25	0.73	-0.71	-0.17
23,371.00	88.00	358.75	11,665.08	11,002.66	-2,208.70	11,205.56	0.60	-0.31	-0.51
23,466.00	90.16	2.38	11,666.60	11,097.62	-2,207.77	11,299.41	4.45	2.27	3.82
23,561.00	89.82	1.33	11,666.62	11,192.57	-2,204.69	11,392.94	1.16	-0.36	-1.11
23,655.00	90.76	359.60	11,666.14	11,286.56	-2,203.93	11,485.85	2.09	1.00	-1.84
23,750.00	91.06	0.68	11,664.63	11,381.54	-2,203.70	11,579.82	1.18	0.32	1.14
23,844.00	91.95	1.59	11,662.16	11,475.49	-2,201.83	11,672.54	1.35	0.95	0.97
23,939.00	90.83	358.70	11,659.86	11,570.45	-2,201.59	11,766.48	3.26	-1.18	-3.04
24,034.00	91.27	357.55	11,658.12	11,665.38	-2,204.70	11,860.88	1.30	0.46	-1.21
24,128.00	91.19	358.22	11,656.10	11,759.30	-2,208.17	11,954.32	0.72	-0.09	0.71
24,317.00	90.03	359.24	11,654.09	11,948.23	-2,212.36	12,141.91	0.82	-0.61	0.54
24,506.00	89.63	359.57	11,654.65	12,137.22	-2,214.32	12,329.23	0.27	-0.21	0.17
24,600.00	90.33	358.90	11,654.68	12,231.21	-2,215.58	12,422.43	1.03	0.74	-0.71
24,789.00	90.39	357.16	11,653.49	12,420.09	-2,222.07	12,610.29	0.92	0.03	-0.92
24,978.00	90.73	359.09	11,651.65	12,608.97	-2,228.26	12,798.11	1.04	0.18	1.02
25,073.00	91.08	359.22	11,650.15	12,703.95	-2,229.66	12,892.31	0.39	0.37	0.14
25,263.00	89.82	357.82	11,648.65	12,893.87	-2,234.57	13,080.98	0.99	-0.66	-0.74
25,358.00	90.61	0.56	11,648.30	12,988.85	-2,235.91	13,175.17	3.00	0.83	2.88
25,547.00	91.35	2.58	11,645.06	13,177.74	-2,230.73	13,361.37	1.14	0.39	1.07
25,642.00	91.79	3.18	11,642.46	13,272.58	-2,225.96	13,454.56	0.78	0.46	0.63
25,737.00	91.42	0.87	11,639.80	13,367.48	-2,222.60	13,548.00	2.46	-0.39	-2.43
25,831.00	91.23	1.00	11,637.63	13,461.44	-2,221.07	13,640.77	0.24	-0.20	0.14
25,926.00	90.76	0.51	11,635.98	13,556.42	-2,219.82	13,734.59	0.71	-0.49	-0.52
26,021.00	91.15	0.49	11,634.39	13,651.40	-2,218.99	13,828.47	0.41	0.41	-0.02



Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Regal Lager 31_19 Fed Com 31H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3648.00usft (H&P 479)
Site:	Regal Lager 31_19 Fed Com	MD Reference:	RKB @ 3648.00usft (H&P 479)
Well:	Regal Lager 31_19 Fed Com 31H	North Reference:	Grid
Wellbore:	OH / 74226	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
26,115.00	91.25	1.40	11,632.43	13,745.37	-2,217.44	13,921.25	0.97	0.11	0.97
26,305.00	91.12	1.40	11,628.50	13,935.27	-2,212.80	14,108.53	0.07	-0.07	0.00
26,399.00	91.07	0.93	11,626.70	14,029.24	-2,210.89	14,201.25	0.50	-0.05	-0.50
26,494.00	90.95	0.22	11,625.02	14,124.21	-2,209.94	14,295.11	0.76	-0.13	-0.75
26,589.00	91.30	359.75	11,623.16	14,219.20	-2,209.96	14,389.12	0.62	0.37	-0.49
26,684.00	90.87	358.94	11,621.36	14,314.17	-2,211.05	14,483.27	0.97	-0.45	-0.85
26,779.00	91.10	359.16	11,619.73	14,409.14	-2,212.62	14,577.49	0.34	0.24	0.23
26,874.00	90.92	358.90	11,618.05	14,504.12	-2,214.23	14,671.71	0.33	-0.19	-0.27
27,064.00	91.19	359.58	11,614.55	14,694.07	-2,216.75	14,860.07	0.39	0.14	0.36
27,254.00	91.10	358.95	11,610.76	14,884.01	-2,219.19	15,048.40	0.33	-0.05	-0.33
27,348.00	91.62	359.06	11,608.53	14,977.97	-2,220.82	15,141.63	0.57	0.55	0.12
27,538.00	91.63	359.25	11,603.14	15,167.87	-2,223.62	15,329.97	0.10	0.01	0.10
27,633.00	91.25	358.71	11,600.75	15,262.83	-2,225.31	15,424.19	0.69	-0.40	-0.57
27,728.00	90.63	357.40	11,599.19	15,357.76	-2,228.53	15,518.60	1.53	-0.65	-1.38
Final Phoenix MWD Survey									
27,792.91	90.63	357.40	11,598.48	15,422.60	-2,231.48	15,583.20	0.00	0.00	0.00
LTP: 27792.91' MD, 11598.48' TVD									
27,850.00	90.63	357.40	11,597.85	15,479.62	-2,234.07	15,640.01	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
797.00	796.98	2.59	-1.93	Tie In
988.00	987.97	1.52	-2.60	First Phoenix MWD Survey
12,085.30	11,612.92	-223.32	-1,991.11	FTP: 12085.30' MD, 11612.92' TVD
17,322.73	11,696.29	4,956.41	-2,198.53	SL: 17322.73' MD, 11696.29' TVD
22,610.05	11,653.12	10,241.91	-2,211.37	SL: 22610.05' MD, 11653.12' TVD
27,728.00	11,599.19	15,357.76	-2,228.53	Final Phoenix MWD Survey
27,792.91	11,598.48	15,422.60	-2,231.48	LTP: 27792.91' MD, 11598.48' TVD
27,850.00	11,597.85	15,479.62	-2,234.07	Projection to TD

Well Name: REGAL LAGER 31-19 FEDERAL COM	Well Location: T21S / R32E / SEC 31 / SESW / 32.428649 / -103.714504	County or Parish/State: LEA / NM
Well Number: 31H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM109757	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002552488	Operator: OXY USA INCORPORATED	

Subsequent Report

Sundry ID: 2799061

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 07/05/2024	Time Sundry Submitted: 11:51
Date Operation Actually Began: 05/23/2024	

Actual Procedure: RUPU 05/23/24, RIH & clean out to PBTD @ 27805', pressure test casing to 11300# for 30 min, good test. RIH & perf @ 12286-27696' Total 1887 holes. Frac in 58 stages w/ 605957BBL Produced Water + 53414BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/ 46154132# sand, RD Frac 06/17/24. Well ready to produce 06/24/24. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 08/31/2024.

Received by OCD: 7/29/2024 7:50:53 PM

Well Name: REGAL LAGER 31-19
FEDERAL COM

Well Location: T21S / R32E / SEC 31 /
SESW / 32.428649 / -103.714504

County or Parish/State: LEA /
NM

Well Number: 31H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM109757

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002552488

Operator: OXY USA INCORPORATED

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JANA MENDIOLA

Signed on: JUL 05, 2024 11:50 AM

Name: OXY USA INCORPORATED

Title: Regulatory Advisor

Street Address: 1600 GEHRIG DR

City: MIDLANDState: TX

Phone: (432) 685-5936

Email address: Janalyn_mendiola@oxy.com

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

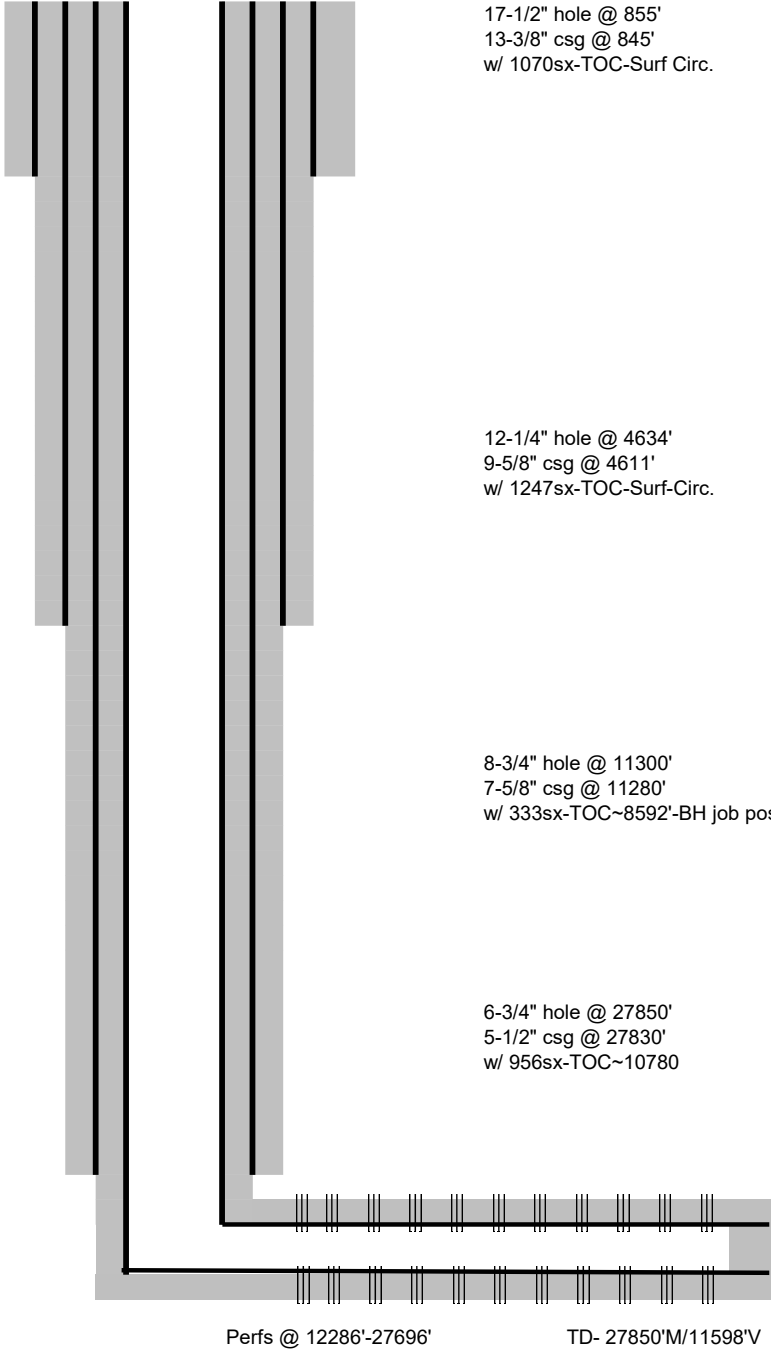
Disposition: Accepted

Disposition Date: 07/12/2024

Signature: Jonathon Shepard

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 Revised April 3, 2017						
1. WELL API NO. 30-025-52488		2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		3. State Oil & Gas Lease No.						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name REGAL LAGER 31-19 FEDERAL COM 6. Well Number: #031H						
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator OXY USA INC.				9. OGRID 16696						
10. Address of Operator 5 GREENWAY PLAZA, SUITE 110, HOUSTON TX 77046				11. Pool name or Wildcat WC-025 G-09 S213212A; UPR WOLFCAMP						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	31	21S	32E		304	FSL	2599	FWL	LEA
BH:	D	19	21S	32E	1	43	FNL	449	FWL	LEA
13. Date Spudded 02/15/2024	14. Date T.D. Reached 03/31/2024	15. Date Rig Released 04/04/2024		16. Date Completed (Ready to Produce) 06/24/2024		17. Elevations (DF and RKB, RT, GR, etc.) 3623'GL				
18. Total Measured Depth of Well 27850'M/11598'V		19. Plug Back Measured Depth 27805'M/11598'V		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GR, CBL				
22. Producing Interval(s), of this completion - Top, Bottom, Name 12286'-27696'; WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.5# J-55 BTC		845'		17-1/2"		1070sx-TOC SURF		
9-5/8"		40# L-80 HC BTC		4611'		12-1/4"		1247sx- TOC SURF		
7-5/8"		26.4# HCL-80 W425		11280'		8-3/4"		333sx-TOC~8592'		
5-1/2"		20# P-110 W461		27830'		6-3/4"		956sx-TOC~10780'		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 12286'-27696'; 0.41, total 1887 holes.					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					12286'-27696'		605957BBL Produced Water + 53414BBL			
							Brackish Water w/ 46154132# sand			
28. PRODUCTION										
Date First Production 07/04/2024		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING			Well Status (Prod. or Shut-in) PROD					
Date of Test 07/08/2024	Hours Tested 24 HOURS	Choke Size	Prod'n For Test Period	Oil - Bbl 430	Gas - MCF 1425	Water - Bbl. 4847	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure 3211	Calculated 24-Hour Rate	Oil - Bbl. 430	Gas - MCF 1425	Water - Bbl. 4847	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						30. Test Witnessed By				
31. List Attachments GR, CBL, DIRECTIONAL, AS-DRILLED C-102, COMP SUNDRY										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.						33. Rig Release Date:				
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____						Longitude _____		NAD83		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Leslie T. Reeves</i>		Printed Name LESLIE REEVES		Title REGULATORY MANAGER		Date 7/11/2024				
E-mail Address LESLIE_REEVES@OXY.COM										

OXY USA Inc.
REGAL LAGER 31-19 FEDERAL COM #031H
API No. 30-025-52488



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 363291

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 363291
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 363291

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 363291
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	7/9/2025