

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

District I

811 S. First St., Artesia, NM 88210

District II

1000 Rio Brazos Rd., Aztec, NM 87410

District III

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 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date: RT - 07/12/2022
⁴ API Number 30 - 015-47201	⁵ Pool Name PURPLE SAGE WOLFCAMP *NSL-8267	⁶ Pool Code 98220
⁷ Property Code: 328295	⁸ Property Name: CORRAL GORGE 12-13 FEDERAL COM	⁹ Well Number: 34H

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	1	25S	29E		230	SOUTH	2635	WEST	EDDY

¹¹ Bottom Hole Location

FTP- 188' FNL 2280' FWL LTP- 197' FSL 2143' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	25S	29E		41	SOUTH	2131	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code : F		¹⁴ Gas Connection Date: TBD		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
214754	LPC CRUDE OIL, INC.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 12/12/21	²² Ready Date 07/12/2022	²³ TD 21147'M 10616'V	²⁴ PBTD 21102'M 10616'V	²⁵ Perforations 10720-20990'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
14-3/4"		10-3/4"		730'	690
9-7/8"		7-5/8"		9995'	1689
6-3/4"		5-1/2"		21127'	871

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

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: 

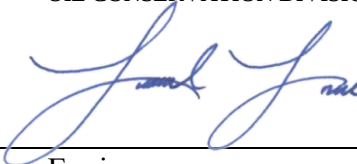
Printed name: JANA MENDIOLA

Title: SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.comDate: 07/07/2022
Phone: 432-695-5936

OIL CONSERVATION DIVISION

Approved by:



Title: Petroleum Engineer

Approval Date: 08/17/22

COA: RT expires on 10/10/22

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

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-47201	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 328295	Property Name CORRAL GORGE 12-13 FEDERAL COM	
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC	⁶ Well Number 34H
		⁹ Elevation 3111'

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	1	25S	29E		230	SOUTH	2635	WEST	EDDY
¹¹ 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
N	13	25S	29E		41	SOUTH	2131	WEST	EDDY
¹² Dedicated Acres 1280.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-8267						

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.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 663731.29' / Y: 408628.87' B - X: 661074.23' / Y: 408605.29' C - X: 658415.93' / Y: 408601.25' D - X: 658368.19' / Y: 419223.51' E - X: 661019.90' / Y: 419228.89' F - X: 663675.71' / Y: 419255.50'	17 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 07/08/22 Printed Name JANA MENDIOLA E-mail Address janalyn_mendiola@oxy.com	
	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 622546.34' / Y: 408570.70' B - X: 619889.31' / Y: 408547.12' C - X: 617231.03' / Y: 408543.07' D - X: 617183.58' / Y: 419165.10' E - X: 619835.26' / Y: 419168.49' F - X: 622491.05' / Y: 419197.10'		18 SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. Date of Survey JULY 7, 2022 Signature and Seal of Professional Surveyor: Certificate Number LLOYD P. SHORT 21653
	SURFACE HOLE LOCATION 230' FSL 2635' FWL, SECTION 1 NAD 83, SPCS NM EAST X: 663653.70' / Y: 419485.10' LAT: 32.15262577N / LON: 103.93809500W NAD 27, SPCS NM EAST X: 622469.05' / Y: 419426.70' LAT: 32.15250208N / LON: 103.93761011W		
	KICK OFF POINT 156' FSL 2472' FWL, SECTION 1 10095' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 663491.34' / Y: 419409.85' LAT: 32.15242056N / LON: 103.93862051W NAD 27, SPCS NM EAST X: 622306.69' / Y: 419351.45' LAT: 32.15229686N / LON: 103.93813561W		
	FIRST TAKE POINT 188' FSL 2280' FWL, SECTION 12 10720' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 663301.54' / Y: 419063.55' LAT: 32.15147052N / LON: 103.93923790W NAD 27, SPCS NM EAST X: 622116.88' / Y: 419005.15' LAT: 32.15134681N / LON: 103.93875301W		
LAST TAKE POINT 197' FSL 2143' FWL, SECTION 13 20990' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 663216.96' / Y: 408821.33' LAT: 32.12331675N / LON: 103.93963215W NAD 27, SPCS NM EAST X: 622032.02' / Y: 408763.15' LAT: 32.12319273N / LON: 103.93914832W			
BOTTOM HOLE LOCATION 41' FSL 2131' FWL, SECTION 13 21147' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 663205.36' / Y: 408864.76' LAT: 32.12288648N / LON: 103.93967148W NAD 27, SPCS NM EAST X: 622020.41' / Y: 408806.59' LAT: 32.12276245N / LON: 103.93918766W			

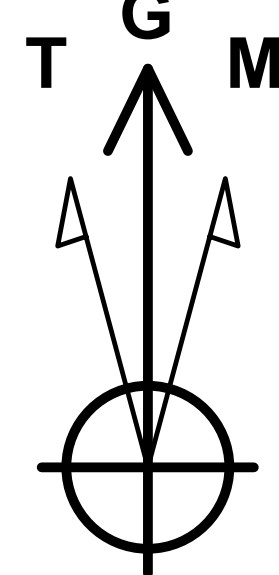
Distances/areas relative to NAD 83 Combined Scale Factor: 0.99978172 Convergence Angle: 00°12'14.64000"



Project: Eddy County, NM (NAD83-NME)
Site: Corral Gorge 12_13 Fed Com
Well: Corral Gorge 12_13 Federal Com 34H
Wellbore: OH / 69429
Design: Plan 3 04-28-22
Rig: H&P 466



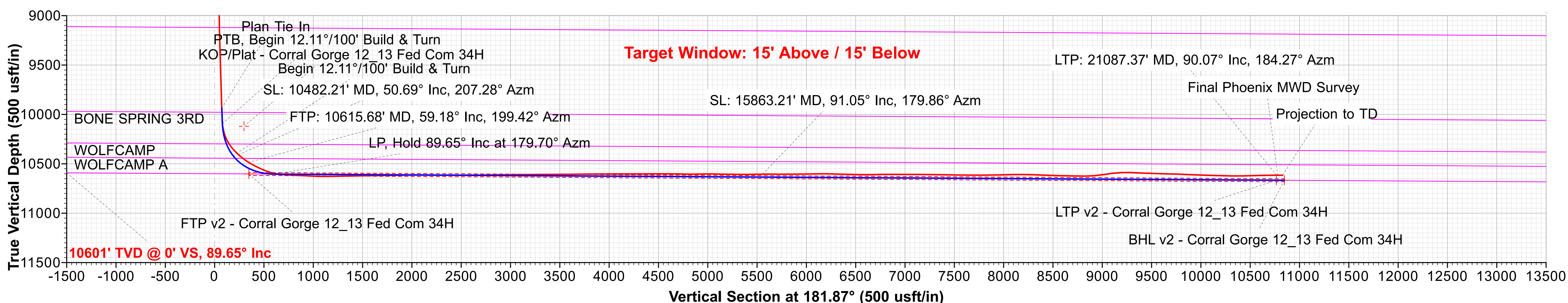
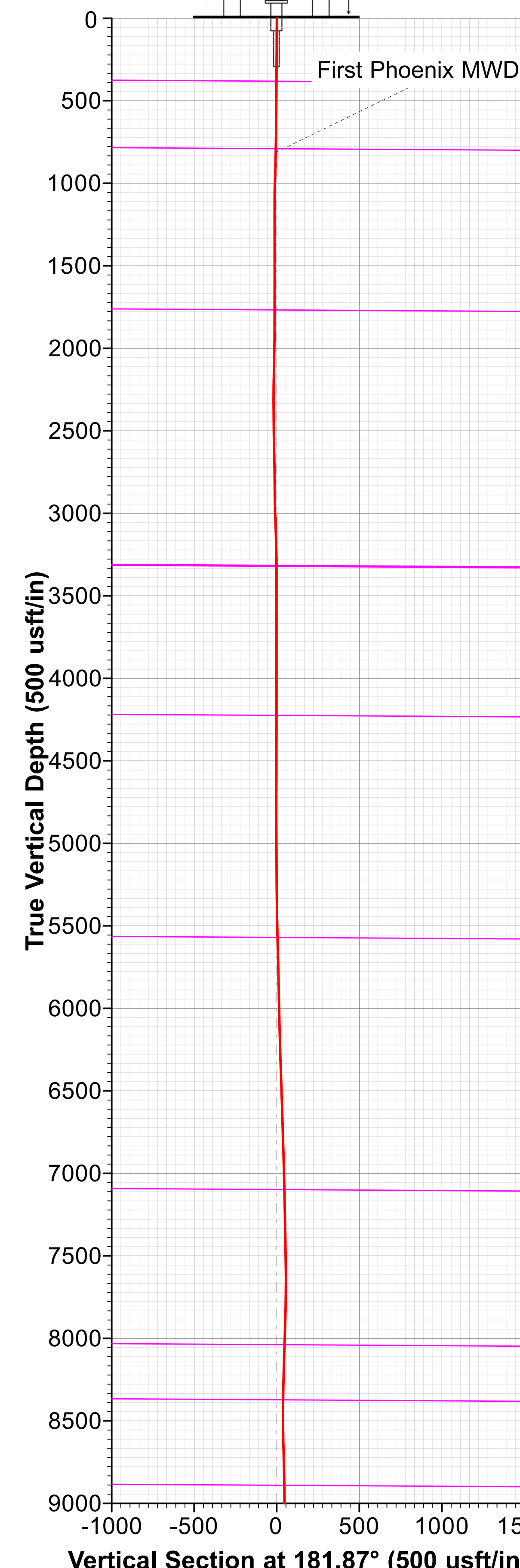
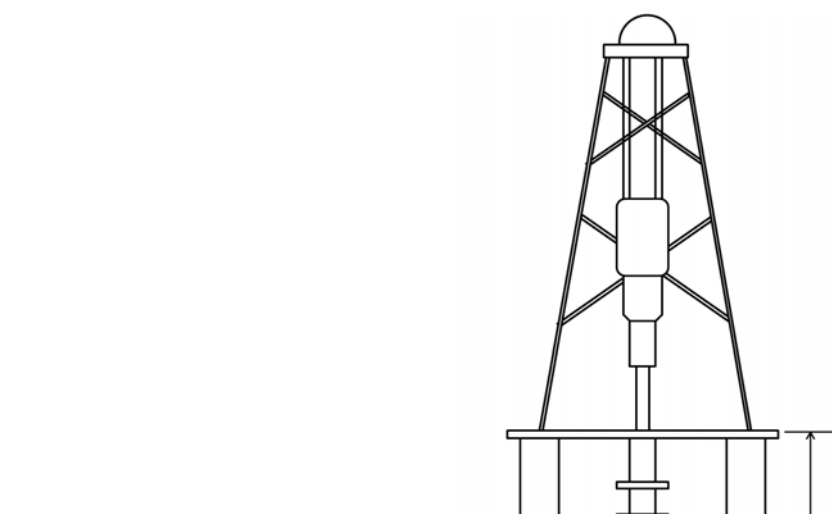
PHOENIX
TECHNOLOGY SERVICES



Azimuths to Grid North
True North: -0.21°
Magnetic North: 6.45°
Magnetic Field
Strength: 47636.8nT
Dip Angle: 59.80°
Date: 4/21/2022
Model: IFR

RKB @ 3135.60usft (H&P 466)

Ground Level: 3110.60



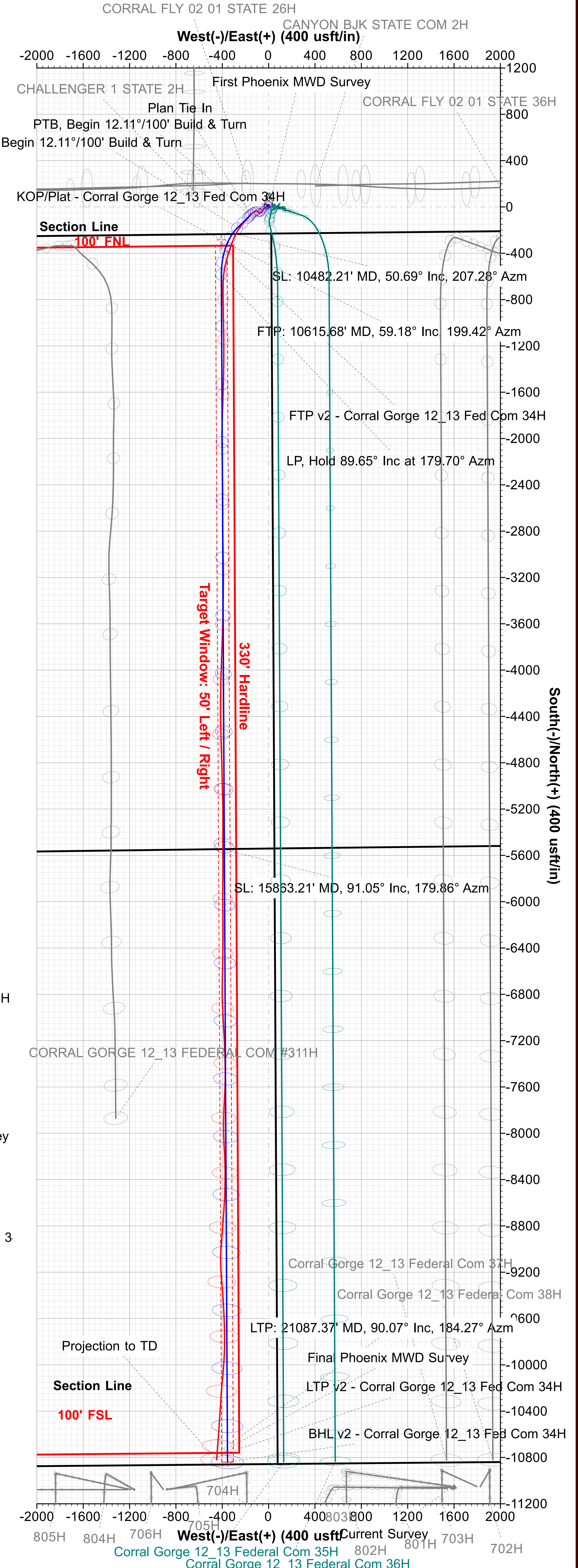
WELL DETAILS										
		Ground Level:		3110.60		Latitude		Longitude		
+N/-S		+E/-W		Northing		Easting		32° 9' 9.452775 N 103° 56' 17.142015 W		
0.00		0.00		419485.10		663653.70				

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	9942.00	2.67	217.62	9937.32	-67.88	-156.48	0.00	0.000	72.96	Plan Tie In
2	10100.00	2.67	217.62	10095.15	-73.71	-160.97	0.00	0.000	78.94	PTB, Begin 12.11°/100' Build & Turn
3	10466.16	46.99	225.89	10419.26	-178.95	-267.68	12.11	8.655	187.60	Begin 12.11°/100' Build & Turn
4	10955.89	89.65	179.70	10604.66	-585.39	-407.70	12.11	-57.045	598.41	LP, Hold 89.65° Inc at 179.70° Azm
5	21210.93	89.65	179.70	10667.25	-10840.10	-354.70	0.00	0.000	10845.90	BHL v2 - Corral Gorge 12_13 Fed Com 34H

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
381.59	381.60	RUSTLER
790.56	790.60	SALADO
1767.52	1767.82	CASTILE
3315.59	3316.43	BELL CANYON
3321.59	3322.43	LAMAR
4224.59	4225.56	CHERRY CANYON
5570.63	5571.82	BRUSHY CANYON
7098.88	7101.05	BONE SPRING
8038.89	8041.77	BONE SPRING 1ST
8372.84	8376.08	Second Bone Spring Limestone
8890.88	8894.50	BONE SPRING 2ND
9120.90	9124.65	Third Bone Spring Limestone
9979.06	9983.78	BONE SPRING 3RD
10299.34	10313.81	WOLFCAMP
10444.88	10504.67	WOLFCAMP A

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone
Local Origin: Well Corral Gorge 12_13 Federal Com 34H, Grid North
Latitude: 32° 9' 9.452775 N
Longitude: 103° 56' 17.142015 W
Grid East: 663653.70
Grid North: 419485.10
Scale Factor: 1.000
Geomagnetic Model: IFR
Sample Date: 21-Apr-22
Magnetic Declination: 6.657°
Dip Angle from Horizontal: 59.796°
Magnetic Field Strength: 47636.8000000nT
To convert a Magnetic Direction to a Grid Direction, Add 6.447°
To convert a Magnetic Direction to a True Direction, Add 6.657° East
To convert a True Direction to a Grid Direction, Subtract 0.210°

- LEGEND
- 704H, OH, Plan 1 V0
 - 705H, OH, Plan 1 V0
 - CHALLENGER 1 STATE 2H, OH, Surveys V0
 - 801H, OH / 69598, Surveys (Nabors X05) V0
 - 801H, OH / 69598, Plan 2 04-25-22 V0
 - 802H, OH / 69598, Surveys (Nabors X05) V0
 - 802H, OH / 69598, Plan 2 04-25-22 V0
 - Corral Gorge 12_13 Federal Com 36H, OH / 69431, Plan 2 04-14-22 V0
 - Corral Gorge 12_13 Federal Com 36H, OH / 69431, Surveys (H&P 466) V0
 - CANYON BJK STATE COM 2H, OH, Surveys (Patriot 5) V0
 - Corral Gorge 12_13 Federal Com 37H, OH / 69530, Plan 3 05-03-22 V0
 - 702H, OH, Plan 1 V0
 - 803H, OH / 69600, Plan 2 04-25-22 V0
 - 803H, OH / 69600, Surveys (Nabors X05) V0
 - Corral Gorge 12_13 Federal Com 38H, OH / 69531, Plan 2 03-15-22 V0
 - Corral Gorge 12_13 Federal Com 35H, OH / 69430, Surveys (H&P 466) V0
 - Corral Gorge 12_13 Federal Com 35H, OH / 69430, Plan 2 05-06-22 V0
 - 806H, OH, Plan 1 V0
 - 703H, OH, Plan 1 V0
 - CORRAL FLY 02 01 STATE 26H, OH, Surveys (H&P 636) V0
 - Corral Gorge 12_13 Federal Com 34H, OH / 69429, Surveys (H&P 466) V0
 - CORRAL FLY 02 01 STATE 36H, OH, Surveys V0
 - CORRAL GORGE 12_13 FEDERAL COM #311H, OH, Surveys (Nabors X53) V0
 - 706H, OH, Plan 1 V0
 - 804H, OH, Plan 1 V0
 - 805H, OH, Plan 1 V0
 - Plan 3 04-28-22





OXY USA INC.

**Eddy County, NM (NAD83-NME)
Corral Gorge 12_13 Fed Com
Corral Gorge 12_13 Federal Com 34H**

OH / 69429

Design: Surveys (H&P 466)

Standard Survey Report

10 May, 2022





Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

Project	Eddy 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	Corral Gorge 12_13 Fed Com		
Site Position:		Northing:	418,919.70 usft
From:	Map	Easting:	666,110.30 usft
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 3.767473 N
		Longitude:	103° 55' 48.590549 W
		Grid Convergence:	0.215 °

Well	Corral Gorge 12_13 Federal Com 34H		
Well Position	+N/-S	0.00 usft	Northing: 419,485.10 usft
	+E/-W	0.00 usft	Easting: 663,653.70 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 9.452775 N
		Longitude:	103° 56' 17.142015 W
		Ground Level:	3,110.60 usft

Wellbore	OH / 69429		
Magnetics	Model Name	Sample Date	Declination (°)
	IFR	4/21/2022	6.657
			Dip Angle (°) 59.796
			Field Strength (nT) 47,636.80000000

Design	Surveys (H&P 466)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 181.87

Survey Program	Date 5/10/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
25.00	718.47	Gyrodata Gyro Surveys (OH / 69429)	GYD_G003_GC+DROP+I Gyrodata Stationary Tool drop on BHA on open h
813.00	9,942.00	Phoenix MWD Surveys - SQC R10 1 (OH	SQC_C705a_MWD+IFR1 OWSG MWD + IFR1 + Sag + FDIR Correction
10,013.00	10,013.00	Phoenix MWD Surveys - SQC R10 2 (OH	A009Mb_MWD+IFR1+SA OWSG MWD + IFR1 + Sag Correction
10,076.00	21,147.00	Phoenix MWD Surveys - SQC R10 3 (OH	SQC_C705a_MWD+IFR1 OWSG MWD + IFR1 + Sag + FDIR Correction

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
93.00	0.34	63.04	93.00	0.09	0.18	-0.10	0.50	0.50	0.00
183.61	0.45	55.37	183.61	0.42	0.71	-0.44	0.13	0.12	-8.46
272.39	0.62	39.01	272.38	0.99	1.30	-1.03	0.26	0.19	-18.43
366.84	0.68	48.29	366.83	1.76	2.04	-1.82	0.13	0.06	9.83
461.41	0.27	21.67	461.39	2.34	2.54	-2.42	0.48	-0.43	-28.15
555.84	0.55	8.53	555.82	2.99	2.69	-3.08	0.31	0.30	-13.92



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)
650.27	0.42	2.94	650.25	3.79	2.78	-3.88	0.15	-0.14	-5.92
718.47	0.74	26.36	718.44	4.43	2.99	-4.53	0.57	0.47	34.34
813.00	1.44	11.08	812.96	6.14	3.48	-6.25	0.80	0.74	-16.16
First Phoenix MWD Survey									
908.00	1.96	20.25	907.92	8.84	4.28	-8.97	0.62	0.55	9.65
1,002.00	1.64	21.76	1,001.87	11.60	5.33	-11.76	0.34	-0.34	1.61
1,096.00	0.29	21.61	1,095.85	13.07	5.92	-13.25	1.44	-1.44	-0.16
1,191.00	0.34	207.36	1,190.85	13.04	5.88	-13.23	0.66	0.05	-183.42
1,285.00	0.79	247.75	1,284.85	12.55	5.15	-12.71	0.61	0.48	42.97
1,379.00	1.56	275.19	1,378.83	12.42	3.27	-12.52	0.99	0.82	29.19
1,474.00	1.70	285.84	1,473.79	12.92	0.63	-12.93	0.35	0.15	11.21
1,568.00	1.73	281.52	1,567.75	13.58	-2.10	-13.51	0.14	0.03	-4.60
1,664.00	1.21	262.15	1,663.72	13.73	-4.52	-13.58	0.74	-0.54	-20.18
1,758.00	0.98	256.99	1,757.70	13.42	-6.29	-13.20	0.27	-0.24	-5.49
1,853.00	0.84	265.55	1,852.69	13.18	-7.78	-12.92	0.21	-0.15	9.01
1,948.00	1.08	326.82	1,947.68	13.88	-8.96	-13.57	1.05	0.25	64.49
2,043.00	1.39	334.29	2,042.65	15.66	-9.95	-15.33	0.37	0.33	7.86
2,138.00	1.60	329.24	2,137.62	17.84	-11.13	-17.47	0.26	0.22	-5.32
2,233.00	0.81	328.49	2,232.60	19.55	-12.16	-19.14	0.83	-0.83	-0.79
2,327.00	0.55	114.81	2,326.60	19.93	-12.10	-19.52	1.39	-0.28	155.66
2,422.00	0.70	159.92	2,421.59	19.19	-11.48	-18.81	0.53	0.16	47.48
2,517.00	0.79	163.52	2,516.58	18.02	-11.10	-17.65	0.11	0.09	3.79
2,611.00	1.51	134.88	2,610.57	16.53	-10.04	-16.19	0.96	0.77	-30.47
2,706.00	2.28	122.40	2,705.51	14.63	-7.55	-14.37	0.91	0.81	-13.14
2,800.00	1.64	111.23	2,799.46	13.14	-4.72	-12.98	0.79	-0.68	-11.88
2,895.00	0.53	166.06	2,894.44	12.22	-3.35	-12.11	1.48	-1.17	57.72
2,989.00	1.94	149.60	2,988.42	10.43	-2.44	-10.34	1.53	1.50	-17.51
3,086.00	3.12	141.32	3,085.32	6.95	0.04	-6.95	1.27	1.22	-8.54
3,181.00	2.46	128.85	3,180.21	3.65	3.25	-3.76	0.94	-0.69	-13.13
3,275.00	1.08	137.00	3,274.16	1.74	5.42	-1.92	1.49	-1.47	8.67
3,370.00	0.78	276.32	3,369.16	1.16	5.39	-1.33	1.84	-0.32	146.65
3,464.00	0.91	279.19	3,463.15	1.35	4.02	-1.48	0.15	0.14	3.05
3,559.00	0.92	274.83	3,558.13	1.53	2.51	-1.61	0.07	0.01	-4.59
3,654.00	0.90	275.85	3,653.12	1.67	1.01	-1.70	0.03	-0.02	1.07
3,748.00	0.97	275.16	3,747.11	1.82	-0.52	-1.80	0.08	0.07	-0.73
3,843.00	0.94	266.85	3,842.10	1.85	-2.10	-1.78	0.15	-0.03	-8.75
3,938.00	0.99	267.28	3,937.08	1.77	-3.69	-1.64	0.05	0.05	0.45
4,033.00	1.10	273.66	4,032.07	1.78	-5.42	-1.61	0.17	0.12	6.72
4,127.00	1.12	276.48	4,126.05	1.95	-7.24	-1.71	0.06	0.02	3.00
4,222.00	1.15	275.19	4,221.03	2.14	-9.11	-1.84	0.04	0.03	-1.36
4,316.00	1.15	274.20	4,315.01	2.29	-10.99	-1.93	0.02	0.00	-1.05
4,411.00	1.09	277.66	4,409.99	2.48	-12.84	-2.06	0.10	-0.06	3.64
4,506.00	1.14	277.67	4,504.98	2.73	-14.67	-2.25	0.05	0.05	0.01

Phoenix

Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)
4,600.00	1.17	279.36	4,598.96	3.01	-16.54	-2.47	0.05	0.03	1.80
4,695.00	1.24	283.30	4,693.94	3.40	-18.50	-2.80	0.11	0.07	4.15
4,790.00	0.66	274.59	4,788.92	3.68	-20.04	-3.03	0.63	-0.61	-9.17
4,884.00	0.51	138.25	4,882.92	3.41	-20.31	-2.75	1.16	-0.16	-145.04
4,979.00	0.39	147.71	4,977.92	2.83	-19.85	-2.18	0.15	-0.13	9.96
5,074.00	0.30	151.21	5,072.92	2.33	-19.56	-1.69	0.10	-0.09	3.68
5,169.00	0.28	183.75	5,167.91	1.89	-19.45	-1.25	0.17	-0.02	34.25
5,263.00	0.72	229.48	5,261.91	1.27	-19.92	-0.62	0.60	0.47	48.65
5,358.00	1.05	224.80	5,356.90	0.27	-20.99	0.42	0.36	0.35	-4.93
5,453.00	1.17	221.10	5,451.88	-1.08	-22.24	1.81	0.15	0.13	-3.89
5,548.00	2.52	240.00	5,546.83	-2.86	-24.68	3.66	1.54	1.42	19.89
5,642.00	2.49	237.54	5,640.74	-4.99	-28.19	5.91	0.12	-0.03	-2.62
5,737.00	2.34	234.12	5,735.66	-7.23	-31.51	8.26	0.22	-0.16	-3.60
5,832.00	2.12	233.76	5,830.59	-9.41	-34.50	10.53	0.23	-0.23	-0.38
5,927.00	1.92	229.82	5,925.53	-11.47	-37.13	12.68	0.26	-0.21	-4.15
6,021.00	1.84	230.45	6,019.48	-13.45	-39.50	14.73	0.09	-0.09	0.67
6,116.00	1.74	226.22	6,114.43	-15.42	-41.71	16.77	0.17	-0.11	-4.45
6,210.00	1.93	217.26	6,208.38	-17.66	-43.70	19.08	0.37	0.20	-9.53
6,305.00	2.11	208.45	6,303.32	-20.48	-45.50	21.95	0.38	0.19	-9.27
6,400.00	2.27	207.06	6,398.25	-23.69	-47.19	25.22	0.18	0.17	-1.46
6,494.00	2.16	209.24	6,492.18	-26.89	-48.91	28.48	0.15	-0.12	2.32
6,589.00	2.14	207.97	6,587.12	-30.02	-50.61	31.66	0.05	-0.02	-1.34
6,684.00	1.97	209.46	6,682.05	-33.01	-52.25	34.70	0.19	-0.18	1.57
6,778.00	2.04	217.26	6,776.00	-35.75	-54.05	37.50	0.30	0.07	8.30
6,873.00	1.93	219.26	6,870.94	-38.33	-56.09	40.15	0.14	-0.12	2.11
6,968.00	1.79	212.38	6,965.89	-40.82	-57.90	42.70	0.28	-0.15	-7.24
7,063.00	1.49	208.89	7,060.85	-43.16	-59.29	45.07	0.33	-0.32	-3.67
7,158.00	1.76	230.79	7,155.81	-45.16	-61.02	47.13	0.71	0.28	23.05
7,252.00	2.02	234.33	7,249.76	-47.04	-63.48	49.09	0.30	0.28	3.77
7,347.00	2.12	241.66	7,344.70	-48.85	-66.39	51.00	0.30	0.11	7.72
7,442.00	1.68	244.33	7,439.65	-50.29	-69.19	52.52	0.47	-0.46	2.81
7,536.00	1.62	233.17	7,533.61	-51.68	-71.49	53.99	0.35	-0.06	-11.87
7,631.00	1.10	248.38	7,628.58	-52.82	-73.42	55.20	0.66	-0.55	16.01
7,726.00	3.37	283.79	7,723.51	-52.49	-76.98	54.98	2.69	2.39	37.27
7,821.00	3.00	297.88	7,818.36	-50.66	-81.89	53.32	0.91	-0.39	14.83
7,915.00	2.21	310.50	7,912.27	-48.34	-85.44	51.11	1.03	-0.84	13.43
8,010.00	2.99	319.24	8,007.17	-45.27	-88.45	48.14	0.92	0.82	9.20
8,105.00	2.95	316.97	8,102.04	-41.61	-91.73	44.58	0.13	-0.04	-2.39
8,199.00	2.66	304.19	8,195.93	-38.61	-95.19	41.71	0.73	-0.31	-13.60
8,294.00	2.49	296.20	8,290.83	-36.46	-98.86	39.68	0.42	-0.18	-8.41
8,403.00	2.46	284.54	8,399.73	-34.83	-103.25	38.19	0.46	-0.03	-10.70
8,497.00	2.51	272.60	8,493.64	-34.23	-107.26	37.72	0.55	0.05	-12.70
8,592.00	2.43	241.83	8,588.56	-35.09	-111.12	38.70	1.38	-0.08	-32.39
8,687.00	2.42	227.70	8,683.47	-37.39	-114.37	41.11	0.63	-0.01	-14.87



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)
8,782.00	1.73	234.35	8,778.41	-39.57	-117.02	43.38	0.77	-0.73	7.00
8,876.00	1.22	222.54	8,872.38	-41.14	-118.85	45.00	0.63	-0.54	-12.56
8,971.00	1.51	240.75	8,967.35	-42.49	-120.63	46.42	0.55	0.31	19.17
9,066.00	2.17	245.97	9,062.30	-43.84	-123.36	47.85	0.72	0.69	5.49
9,161.00	2.89	243.71	9,157.21	-45.63	-127.15	49.77	0.76	0.76	-2.38
9,256.00	2.97	241.48	9,252.09	-47.87	-131.46	52.14	0.15	0.08	-2.35
9,351.00	3.24	238.88	9,346.95	-50.43	-135.92	54.85	0.32	0.28	-2.74
9,445.00	3.02	231.79	9,440.81	-53.33	-140.14	57.89	0.47	-0.23	-7.54
9,540.00	2.48	232.02	9,535.70	-56.15	-143.73	60.82	0.57	-0.57	0.24
9,635.00	2.24	236.28	9,630.62	-58.44	-146.89	63.22	0.31	-0.25	4.48
9,730.00	2.20	226.53	9,725.55	-60.73	-149.76	65.59	0.40	-0.04	-10.26
9,825.00	3.00	225.11	9,820.45	-63.74	-152.85	68.70	0.84	0.84	-1.49
9,919.00	2.43	218.51	9,914.34	-67.03	-155.83	72.09	0.69	-0.61	-7.02
9,942.00	2.67	217.62	9,937.32	-67.84	-156.46	72.92	1.06	1.04	-3.87
10,013.00	2.69	218.53	10,008.24	-70.45	-158.51	75.60	0.07	0.03	1.28
10,076.00	2.72	219.66	10,071.17	-72.76	-160.38	77.97	0.10	0.05	1.79
10,171.00	16.60	218.24	10,164.60	-85.21	-170.27	90.74	14.61	14.61	-1.49
10,265.00	31.70	222.96	10,250.13	-114.00	-195.56	120.34	16.18	16.06	5.02
10,360.00	43.95	219.50	10,325.03	-157.88	-233.69	165.44	13.08	12.89	-3.64
10,455.00	49.31	209.77	10,390.33	-214.69	-272.62	223.49	9.33	5.64	-10.24
10,482.21	50.69	207.28	10,407.82	-233.01	-282.57	242.12	8.67	5.09	-9.17
SL: 10482.21' MD, 50.69° Inc, 207.28° Azm									
10,549.00	54.30	201.56	10,448.50	-281.24	-304.39	291.04	8.67	5.40	-8.56
10,615.68	59.18	199.42	10,485.06	-333.46	-323.87	343.87	7.80	7.32	-3.22
FTP: 10615.68' MD, 59.18° Inc, 199.42° Azm									
10,643.00	61.19	198.60	10,498.64	-355.87	-331.59	366.52	7.80	7.36	-2.98
10,738.00	65.62	196.22	10,541.16	-436.91	-356.97	448.35	5.17	4.66	-2.51
10,832.00	70.02	191.65	10,576.66	-521.35	-377.86	533.43	6.49	4.68	-4.86
10,927.00	80.18	183.76	10,601.09	-612.15	-390.00	624.58	13.36	10.69	-8.31
11,022.00	87.16	179.96	10,611.56	-706.45	-393.04	718.92	8.35	7.35	-4.00
11,116.00	87.15	179.34	10,616.23	-800.33	-392.46	812.73	0.66	-0.01	-0.66
11,144.00	86.77	179.20	10,617.71	-828.29	-392.11	840.67	1.45	-1.36	-0.50
11,176.00	86.94	178.93	10,619.47	-860.23	-391.59	872.58	1.00	0.53	-0.84
11,271.00	87.41	179.24	10,624.15	-955.11	-390.07	967.35	0.59	0.49	0.33
11,365.00	88.59	178.98	10,627.43	-1,049.04	-388.61	1,061.18	1.29	1.26	-0.28
11,460.00	91.54	179.48	10,627.32	-1,144.02	-387.34	1,156.07	3.15	3.11	0.53
11,554.00	90.60	179.80	10,625.57	-1,238.00	-386.75	1,249.98	1.06	-1.00	0.34
11,649.00	90.90	180.62	10,624.32	-1,332.99	-387.09	1,344.93	0.92	0.32	0.86
11,744.00	90.91	181.05	10,622.82	-1,427.96	-388.48	1,439.91	0.45	0.01	0.45
11,839.00	91.28	181.60	10,621.01	-1,522.92	-390.67	1,534.88	0.70	0.39	0.58
11,934.00	91.01	181.30	10,619.11	-1,617.87	-393.08	1,629.86	0.42	-0.28	-0.32
12,028.00	91.22	181.70	10,617.28	-1,711.82	-395.54	1,723.84	0.48	0.22	0.43
12,123.00	90.66	182.31	10,615.72	-1,806.75	-398.86	1,818.83	0.87	-0.59	0.64



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)
12,218.00	90.62	181.39	10,614.66	-1,901.69	-401.93	1,913.82	0.97	-0.04	-0.97
12,313.00	90.31	179.60	10,613.89	-1,996.68	-402.75	2,008.79	1.91	-0.33	-1.88
12,407.00	89.68	179.04	10,613.90	-2,090.67	-401.63	2,102.69	0.90	-0.67	-0.60
12,502.00	89.68	179.12	10,614.43	-2,185.66	-400.11	2,197.58	0.08	0.00	0.08
12,597.00	89.38	179.47	10,615.21	-2,280.65	-398.94	2,292.48	0.49	-0.32	0.37
12,691.00	89.69	179.18	10,615.97	-2,374.64	-397.83	2,386.38	0.45	0.33	-0.31
12,786.00	89.73	179.14	10,616.45	-2,469.63	-396.44	2,481.27	0.06	0.04	-0.04
12,881.00	90.79	179.87	10,616.02	-2,564.62	-395.62	2,576.19	1.35	1.12	0.77
12,976.00	90.93	180.30	10,614.59	-2,659.61	-395.76	2,671.13	0.48	0.15	0.45
13,071.00	90.45	179.71	10,613.45	-2,754.60	-395.77	2,766.07	0.80	-0.51	-0.62
13,260.00	90.70	179.11	10,611.55	-2,943.58	-393.82	2,954.89	0.34	0.13	-0.32
13,355.00	90.65	178.97	10,610.43	-3,038.56	-392.23	3,049.77	0.16	-0.05	-0.15
13,449.00	90.36	178.84	10,609.61	-3,132.54	-390.43	3,143.64	0.34	-0.31	-0.14
13,544.00	90.37	180.72	10,609.00	-3,227.54	-390.07	3,238.57	1.98	0.01	1.98
13,639.00	90.32	180.88	10,608.43	-3,322.52	-391.39	3,333.55	0.18	-0.05	0.17
13,734.00	90.64	180.72	10,607.63	-3,417.51	-392.72	3,428.53	0.38	0.34	-0.17
13,828.00	90.18	181.16	10,606.96	-3,511.50	-394.26	3,522.51	0.68	-0.49	0.47
13,923.00	90.27	181.18	10,606.59	-3,606.48	-396.20	3,617.50	0.10	0.09	0.02
14,018.00	90.59	181.96	10,605.87	-3,701.44	-398.81	3,712.50	0.89	0.34	0.82
14,113.00	91.15	181.81	10,604.43	-3,796.37	-401.93	3,807.49	0.61	0.59	-0.16
14,207.00	90.29	182.37	10,603.25	-3,890.30	-405.36	3,901.48	1.09	-0.91	0.60
14,302.00	90.14	181.67	10,602.89	-3,985.24	-408.71	3,996.48	0.75	-0.16	-0.74
14,397.00	90.34	181.96	10,602.50	-4,080.19	-411.72	4,091.48	0.37	0.21	0.31
14,491.00	89.93	180.11	10,602.28	-4,174.17	-413.41	4,185.46	2.02	-0.44	-1.97
14,586.00	90.16	180.72	10,602.20	-4,269.17	-414.10	4,280.43	0.69	0.24	0.64
14,681.00	90.01	180.70	10,602.06	-4,364.16	-415.28	4,375.41	0.16	-0.16	-0.02
14,776.00	90.17	177.93	10,601.91	-4,459.15	-414.14	4,470.31	2.92	0.17	-2.92
14,871.00	89.94	178.71	10,601.82	-4,554.11	-411.36	4,565.12	0.86	-0.24	0.82
14,965.00	89.69	178.24	10,602.12	-4,648.07	-408.86	4,658.96	0.57	-0.27	-0.50
15,060.00	87.92	178.01	10,604.10	-4,743.00	-405.75	4,753.73	1.88	-1.86	-0.24
15,155.00	90.50	178.20	10,605.41	-4,837.93	-402.61	4,848.51	2.72	2.72	0.20
15,249.00	91.80	179.82	10,603.53	-4,931.89	-400.98	4,942.36	2.21	1.38	1.72
15,344.00	89.21	177.57	10,602.69	-5,026.85	-398.82	5,037.20	3.61	-2.73	-2.37
15,439.00	88.59	178.64	10,604.51	-5,121.78	-395.68	5,131.98	1.30	-0.65	1.13
15,533.00	89.09	179.70	10,606.42	-5,215.74	-394.32	5,225.85	1.25	0.53	1.13
15,628.00	89.38	179.92	10,607.68	-5,310.74	-394.00	5,320.78	0.38	0.31	0.23
15,723.00	90.27	179.96	10,607.97	-5,405.73	-393.90	5,415.72	0.94	0.94	0.04
15,818.00	91.66	180.07	10,606.37	-5,500.72	-393.93	5,510.66	1.47	1.46	0.12
15,863.21	91.05	179.86	10,605.31	-5,545.92	-393.90	5,555.83	1.44	-1.36	-0.47
SL: 15863.21' MD, 91.05° Inc, 179.86° Azm									
15,913.00	90.37	179.62	10,604.69	-5,595.70	-393.67	5,605.58	1.44	-1.36	-0.47
16,007.00	88.56	179.86	10,605.57	-5,689.69	-393.25	5,699.51	1.94	-1.93	0.26
16,102.00	91.00	181.28	10,605.93	-5,784.68	-394.19	5,794.47	2.97	2.57	1.49
16,197.00	90.13	180.25	10,605.00	-5,879.66	-395.46	5,889.45	1.42	-0.92	-1.08



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)
16,292.00	90.86	180.15	10,604.18	-5,974.66	-395.79	5,984.40	0.78	0.77	-0.11
16,386.00	90.91	179.52	10,602.73	-6,068.64	-395.52	6,078.33	0.67	0.05	-0.67
16,481.00	90.37	179.12	10,601.66	-6,163.63	-394.39	6,173.23	0.71	-0.57	-0.42
16,576.00	87.90	179.67	10,603.10	-6,258.61	-393.39	6,268.12	2.66	-2.60	0.58
16,670.00	88.46	180.90	10,606.08	-6,352.56	-393.86	6,362.04	1.44	0.60	1.31
16,765.00	88.73	180.64	10,608.41	-6,447.52	-395.13	6,456.99	0.39	0.28	-0.27
16,860.00	88.71	181.21	10,610.54	-6,542.48	-396.67	6,551.96	0.60	-0.02	0.60
16,955.00	91.32	181.19	10,610.51	-6,637.45	-398.66	6,646.94	2.75	2.75	-0.02
17,050.00	91.47	181.10	10,608.20	-6,732.41	-400.55	6,741.90	0.18	0.16	-0.09
17,144.00	89.75	177.96	10,607.20	-6,826.38	-399.78	6,835.81	3.81	-1.83	-3.34
17,239.00	89.36	177.60	10,607.93	-6,921.31	-396.10	6,930.56	0.56	-0.41	-0.38
17,334.00	90.50	177.52	10,608.05	-7,016.22	-392.06	7,025.29	1.20	1.20	-0.08
17,429.00	89.52	176.43	10,608.03	-7,111.09	-387.04	7,119.94	1.54	-1.03	-1.15
17,524.00	89.28	176.90	10,609.03	-7,205.92	-381.52	7,214.54	0.56	-0.25	0.49
17,618.00	88.87	177.91	10,610.55	-7,299.81	-377.26	7,308.24	1.16	-0.44	1.07
17,713.00	89.84	179.32	10,611.62	-7,394.77	-374.97	7,403.08	1.80	1.02	1.48
17,808.00	88.99	180.00	10,612.59	-7,489.76	-374.40	7,498.00	1.15	-0.89	0.72
17,903.00	88.83	181.59	10,614.39	-7,584.73	-375.72	7,592.96	1.68	-0.17	1.67
17,998.00	89.56	183.23	10,615.73	-7,679.64	-379.72	7,687.95	1.89	0.77	1.73
18,092.00	90.91	182.57	10,615.34	-7,773.51	-384.47	7,781.93	1.60	1.44	-0.70
18,187.00	90.56	180.94	10,614.12	-7,868.46	-387.38	7,876.92	1.75	-0.37	-1.72
18,282.00	91.20	179.88	10,612.66	-7,963.44	-388.06	7,971.87	1.30	0.67	-1.12
18,376.00	91.44	177.62	10,610.50	-8,057.39	-386.01	8,065.70	2.42	0.26	-2.40
18,471.00	90.25	176.98	10,609.10	-8,152.27	-381.54	8,160.39	1.42	-1.25	-0.67
18,566.00	88.48	177.77	10,610.15	-8,247.16	-377.18	8,255.08	2.04	-1.86	0.83
18,660.00	87.81	180.18	10,613.19	-8,341.09	-375.50	8,348.91	2.66	-0.71	2.56
18,755.00	88.50	180.56	10,616.25	-8,436.04	-376.12	8,443.82	0.83	0.73	0.40
18,850.00	87.49	182.19	10,619.58	-8,530.95	-378.39	8,538.76	2.02	-1.06	1.72
18,945.00	89.62	183.76	10,621.97	-8,625.78	-383.32	8,633.70	2.78	2.24	1.65
19,039.00	88.50	184.13	10,623.51	-8,719.54	-389.79	8,727.63	1.25	-1.19	0.39
19,134.00	90.01	184.74	10,624.75	-8,814.25	-397.14	8,822.52	1.71	1.59	0.64
19,229.00	94.49	184.50	10,621.02	-8,908.84	-404.78	8,917.31	4.72	4.72	-0.25
19,324.00	99.31	183.69	10,609.61	-9,002.88	-411.52	9,011.53	5.14	5.07	-0.85
19,417.00	96.81	179.77	10,596.57	-9,094.90	-414.29	9,103.58	4.96	-2.69	-4.22
19,512.00	92.36	176.47	10,588.97	-9,189.51	-411.17	9,198.04	5.82	-4.68	-3.47
19,607.00	87.22	174.89	10,589.32	-9,284.20	-404.02	9,292.45	5.66	-5.41	-1.66
19,701.00	87.99	175.79	10,593.25	-9,377.81	-396.39	9,385.75	1.26	0.82	0.96
19,796.00	87.83	176.54	10,596.71	-9,472.53	-390.04	9,480.22	0.81	-0.17	0.79
19,891.00	87.88	177.34	10,600.27	-9,567.33	-384.97	9,574.80	0.84	0.05	0.84
19,985.00	89.46	178.79	10,602.45	-9,661.24	-381.80	9,668.56	2.28	1.68	1.54
20,080.00	87.51	179.35	10,604.96	-9,756.19	-380.26	9,763.41	2.14	-2.05	0.59
20,175.00	87.44	181.11	10,609.15	-9,851.09	-380.64	9,858.27	1.85	-0.07	1.85
20,269.00	87.88	183.16	10,612.99	-9,944.95	-384.14	9,952.19	2.23	0.47	2.18



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Corral Gorge 12_13 Federal Com 34H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3135.60usft (H&P 466)
Site:	Corral Gorge 12_13 Fed Com	MD Reference:	RKB @ 3135.60usft (H&P 466)
Well:	Corral Gorge 12_13 Federal Com 34H	North Reference:	Grid
Wellbore:	OH / 69429	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 466)	Database:	USA Compass

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)	
20,364.00	88.53	184.76	10,615.96	-10,039.67	-390.69	10,047.08	1.82	0.68	1.68	
20,459.00	88.40	185.37	10,618.51	-10,134.26	-399.08	10,141.89	0.66	-0.14	0.64	
20,553.00	88.24	184.28	10,621.26	-10,227.89	-406.98	10,235.73	1.17	-0.17	-1.16	
20,648.00	89.32	183.55	10,623.29	-10,322.64	-413.47	10,330.64	1.37	1.14	-0.77	
20,743.00	91.52	183.94	10,622.59	-10,417.43	-419.67	10,425.58	2.35	2.32	0.41	
20,838.00	91.53	183.80	10,620.06	-10,512.18	-426.08	10,520.49	0.15	0.01	-0.15	
20,932.00	91.16	184.07	10,617.86	-10,605.93	-432.53	10,614.41	0.49	-0.39	0.29	
21,027.00	90.63	184.25	10,616.37	-10,700.67	-439.42	10,709.32	0.59	-0.56	0.19	
21,087.37	90.07	184.27	10,616.00	-10,760.87	-443.90	10,769.64	0.93	-0.93	0.03	
LTP: 21087.37' MD, 90.07° Inc, 184.27° Azm										
21,097.00	89.98	184.27	10,616.00	-10,770.48	-444.62	10,779.26	0.93	-0.93	0.03	
Final Phoenix MWD Survey										
21,147.00	89.98	184.27	10,616.02	-10,820.34	-448.34	10,829.21	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)		
813.00	812.96	6.14	3.48	First Phoenix MWD Survey	
10,482.21	10,407.82	-233.01	-282.57	SL: 10482.21' MD, 50.69° Inc, 207.28° Azm	
10,615.68	10,485.06	-333.46	-323.87	FTP: 10615.68' MD, 59.18° Inc, 199.42° Azm	
15,863.21	10,605.31	-5,545.92	-393.90	SL: 15863.21' MD, 91.05° Inc, 179.86° Azm	
21,087.37	10,616.00	-10,760.87	-443.90	LTP: 21087.37' MD, 90.07° Inc, 184.27° Azm	
21,097.00	10,616.00	-10,770.48	-444.62	Final Phoenix MWD Survey	
21,147.00	10,616.02	-10,820.34	-448.34	Projection to TD	

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

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

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 123844

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 123844
	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.

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CONDITIONS

Action 123844

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 123844
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	COA: RT expires on 10/10/22	8/17/2022