

Well Name: OXBOW CC 17-8 FEDERAL COM	Well Location: T24S / R29E / SEC 17 / SESE / 32.2119364 / -104.0019652	County or Parish/State: EDDY / NM
Well Number: 35H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM117120	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545087	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2759304

Type of Submission: Notice of Intent	Type of Action: Workover Operations
Date Sundry Submitted: 11/02/2023	Time Sundry Submitted: 09:26
Date proposed operation will begin: 11/15/2023	

Procedure Description: OXY PROPOSES TO RIG UP ON THE SUBJECT WELL AND COMBINE THE PRODUCTION FROM THE RECENTLY DRILLED FIRST BONE SPRING ("1BS") LATERAL WITH THE PREVIOUSLY DRILLED THIRD BONE SPRING ("3BS") LATERAL. THE ATTACHEMENTS TO THIS SUNDRY INCLUDE THE CURRENT WELLBORE DIAGRAM, PROPOSED WELLBORE DIAGRAM, WORKOVER PROCEDURE, PREVIOUSLY DRILLED 3BS C-102, RECENTLY DRILLED 1BS C-102, AND THE RECENTLY DRILLED 1BS SURVEY WITH DIRECTIONAL PLOT. BOTH LATERALS ARE PRODUCING FROM THE SAME BONE SPRING POOLS. A DOWNHOLE COMMINGLE PERMIT IS NOT REQUIRED.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

OXBOW_35H_DH_LATERAL_WO_NOI_SUB_11.2.23_20231102092154.pdf

Received by OCD: 11/9/2023 1:15:29 PM

Page 2 of 17

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Lease Number: NMNM117120	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545087	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Conditions of Approval

Specialist Review

Oxbow_CC_17_8_Federal_Com_35H_Sundry_ID_2759304_20231109091237.pdf

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: STEPHEN JANACEK

Signed on: NOV 02, 2023 09:26 AM

Name: OXY USA INCORPORATED

Title: Regulatory Engineer

Street Address: 5 Greenway Plaza, Suite 110

City: HoustonState: TX

Phone: (713) 497-2417

Email address: stephen_janacek@oxy.com

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 11/09/2023

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESE / 601 FSL / 1236 FEL / TWSP: 24S / RANGE: 29E / SECTION: 17 / LAT: 32.2119364 / LONG: -104.0019652 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 1319 FNL / 1378 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.235854 / LONG: -104.002511 (TVD: 9954 feet, MD: 19556 feet)

PPP: NWSE / 1337 FSL / 1374 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.228555 / LONG: -104.002486 (TVD: 9959 feet, MD: 16932 feet)

PPP: SWSE / 340 FSL / 1380 FEL / TWSP: 24S / RANGE: 29E / SECTION: 17 / LAT: 32.2112222 / LONG: -104.0024263 (TVD: 9963 feet, MD: 10338 feet)

BHL: NWNE / 180 FNL / 1380 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.2389868 / LONG: -104.0025229 (TVD: 9953 feet, MD: 20156 feet)

BUREAU OF LAND MANAGEMENT

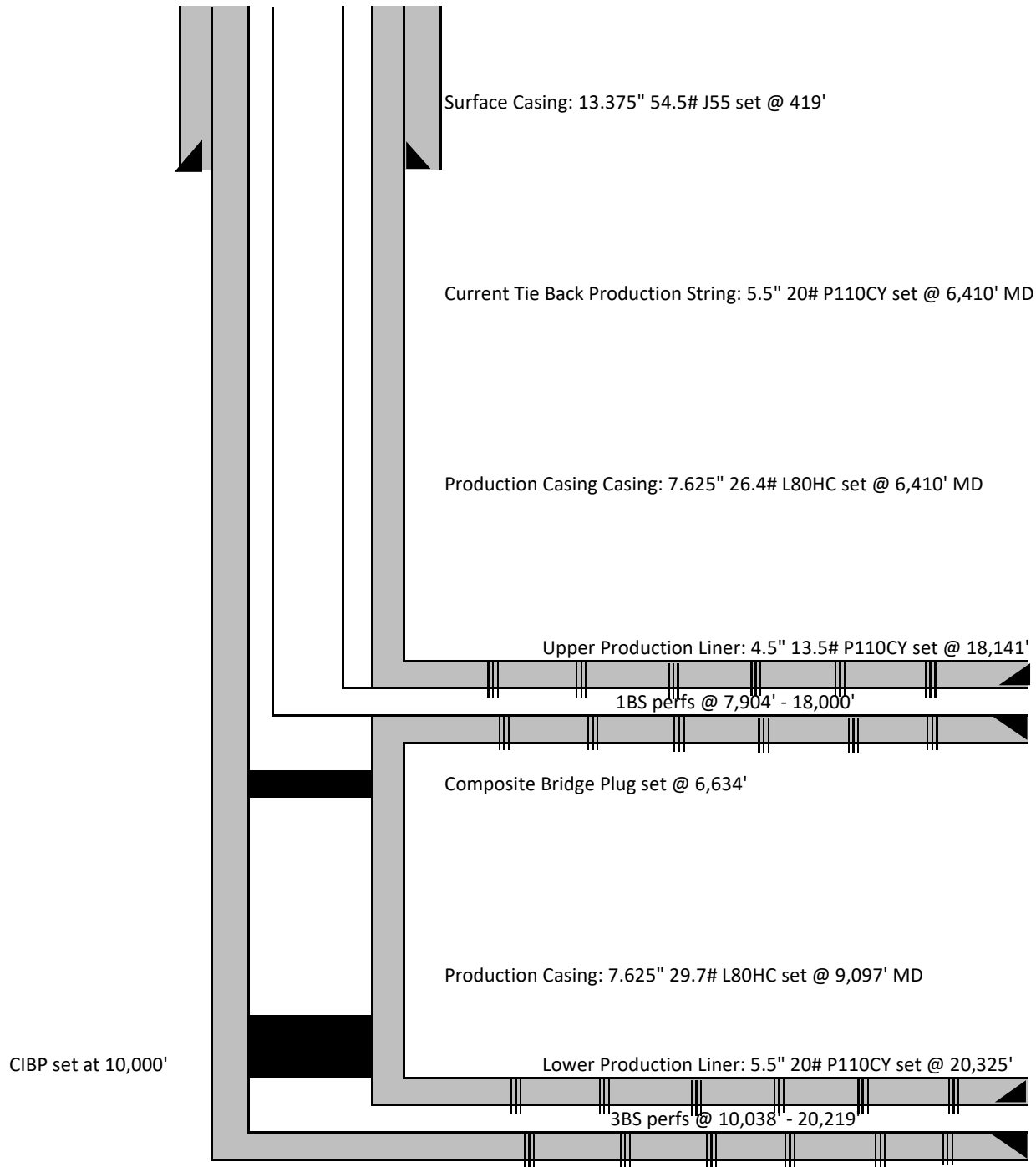
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

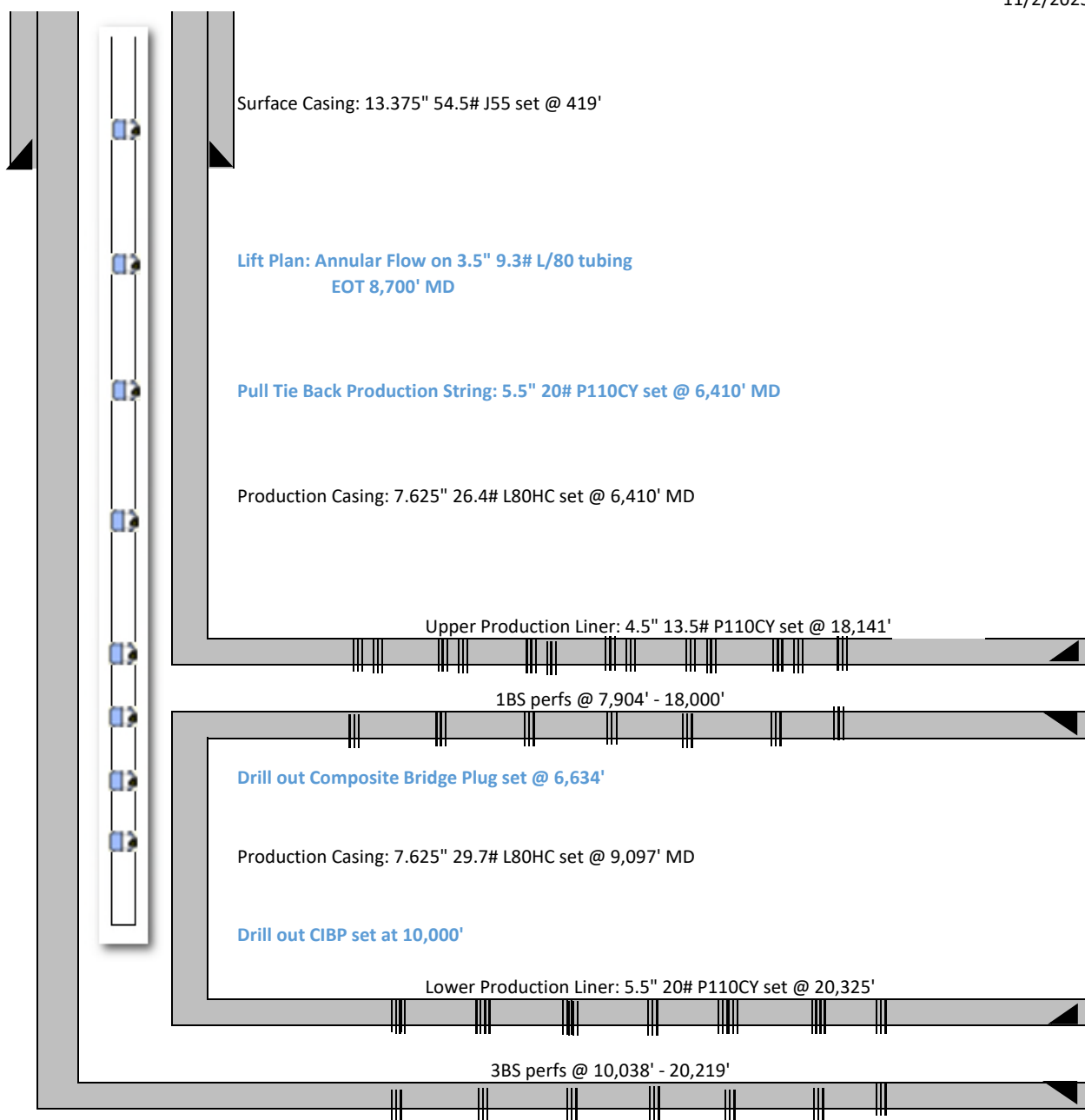
Oxbow 35H (30-015-45087)**Current Wellbore**

11/2/2023



Oxbow 35H (30-015-45087)**Proposed Wellbore**

11/2/2023



OXBOW CC 17-08 FED COM #035H

30-015-45087

DOWNHOLE LATERAL WORKOVER PROCEDURE

PROCEDURE

- 1 MIRU & kill well
- 2 POOH with 2-3/8" tubing & AGL equipment
- 3 Pull 5.5" tie-back
- 4 Remove CBP set at 6,634' & CIBP at 10,000'
- 5 RIH w/ 3.5" tubing & annular gas lift equipment w/ EOT set @ 9,700'
- 6 RTP

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45087	Pool Code 50371/96473/11520	Pool Name PIERCE CROSSING BONE SPRING/PIERCE CROSSING BONE SPRING EAST/ CEDAR CANYON BONE SPRING
Property Code 321633	Property Name OXBOW CC "17_8" FEDERAL COM	Well Number 35H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2926.5'

Surface Location

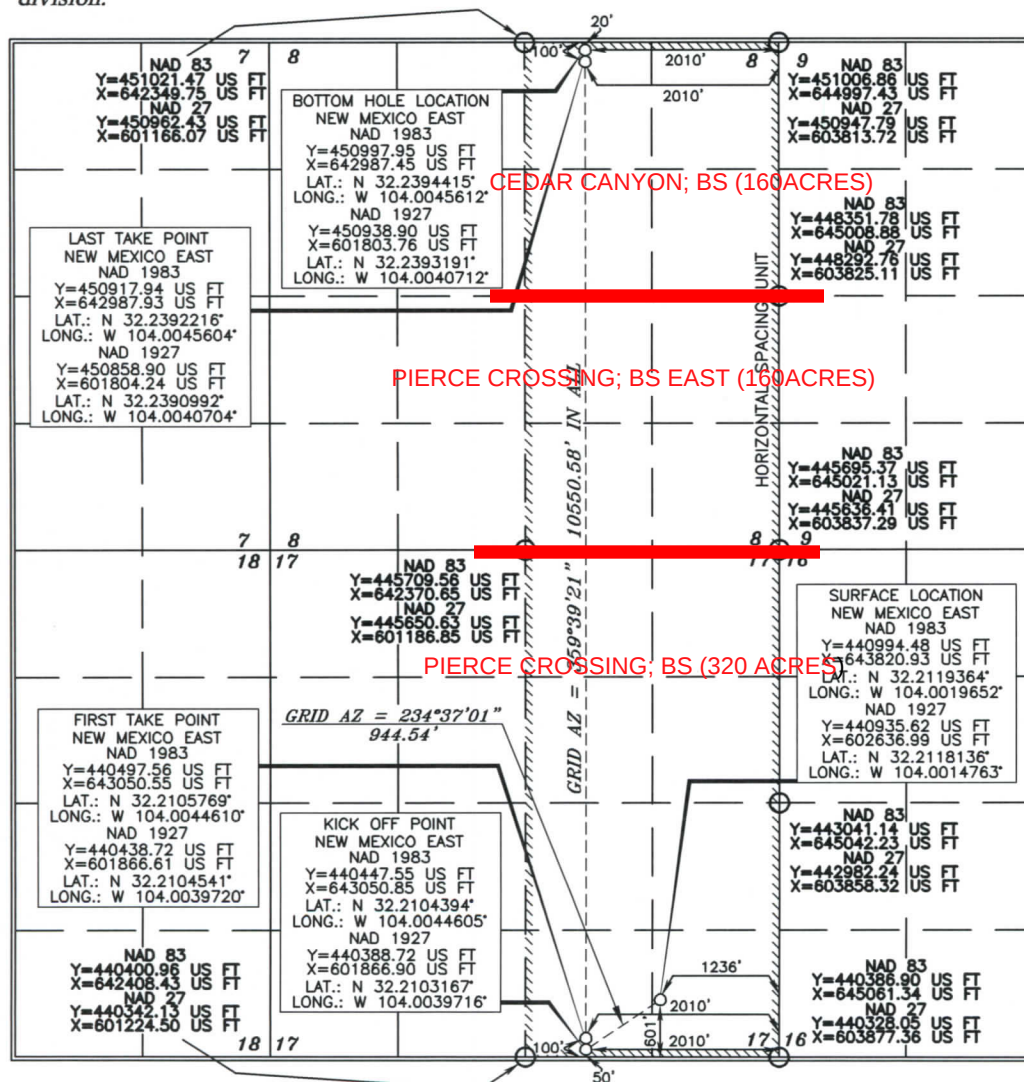
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24 SOUTH	29 EAST, N.M.P.M.		601'	SOUTH	1236'	EAST	EDDY

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.		20'	NORTH	2010'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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.

Leslie T. Reeves 4/18/22
Signature Date

LESLIE REEVES
Printed Name
LESLIE_REEVES@OXY.COM
E-mail Address

SURVEYOR CERTIFICATION

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

Tony J. Abel 4/7/2021
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number 15079

WO# 181211WL-a (Rev. D) (KA)

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1625 N. French Dr., Hobbs, NM 88240
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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

1BS LATERAL

WELL LOCATION AND ACERAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-45087	² Pool Code 50371/96473/11520	³ Pool Name PIERCE CROSSING BS/ PIERCE CROSSING BS EAST/ CEDAR CANYON BS
⁴ Property Code 321633	⁵ Property Name OXBOW CC 17 8 FED COM	⁶ Well Number 35H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁹ Elevation 2927'

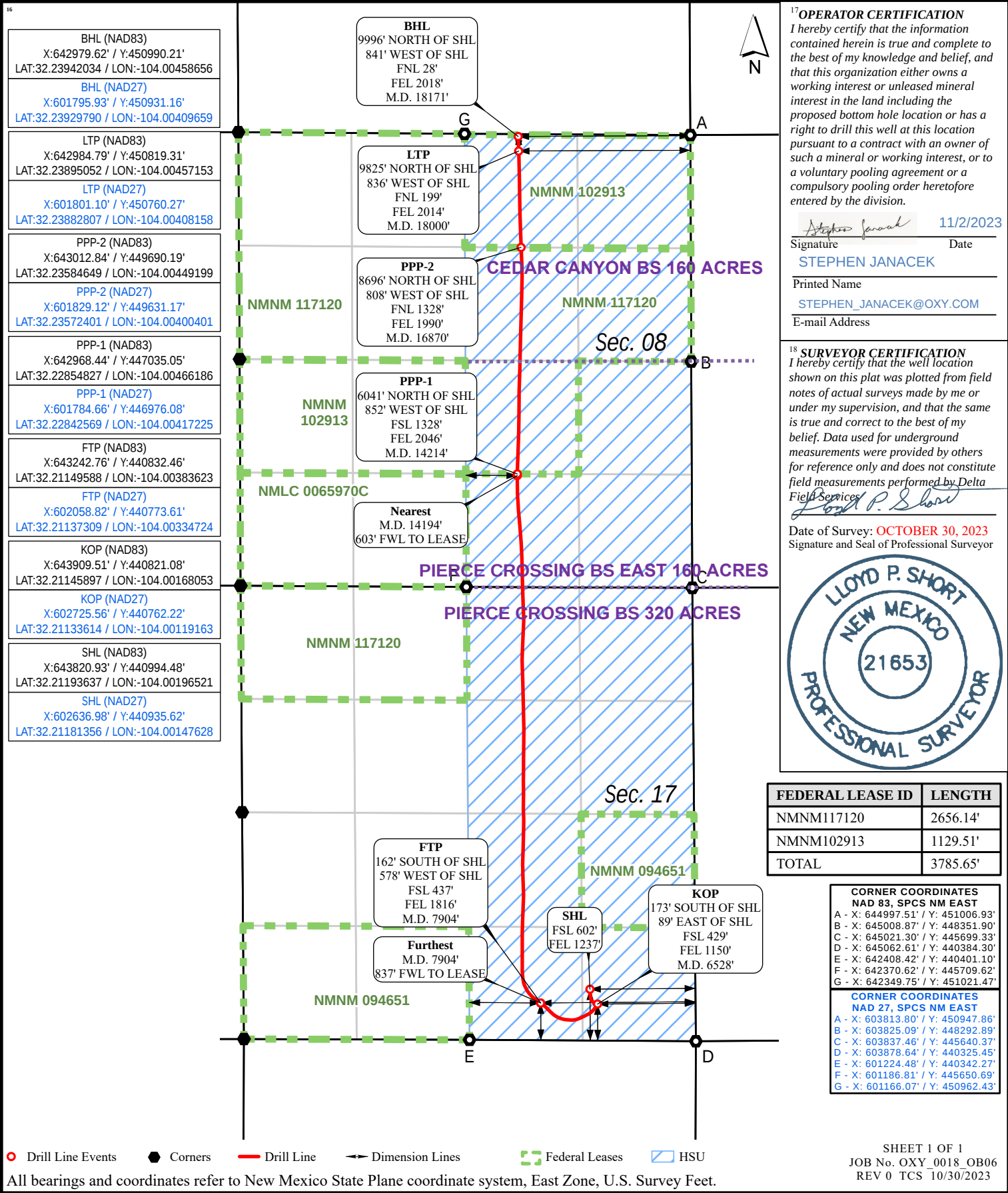
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24S	29E		602	SOUTH	1237	EAST	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
B	8	24S	29E		28	NORTH	2018	EAST	EDDY
¹² Dedicated Acres 640.00	¹³ Joint or Infill	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.





OXY

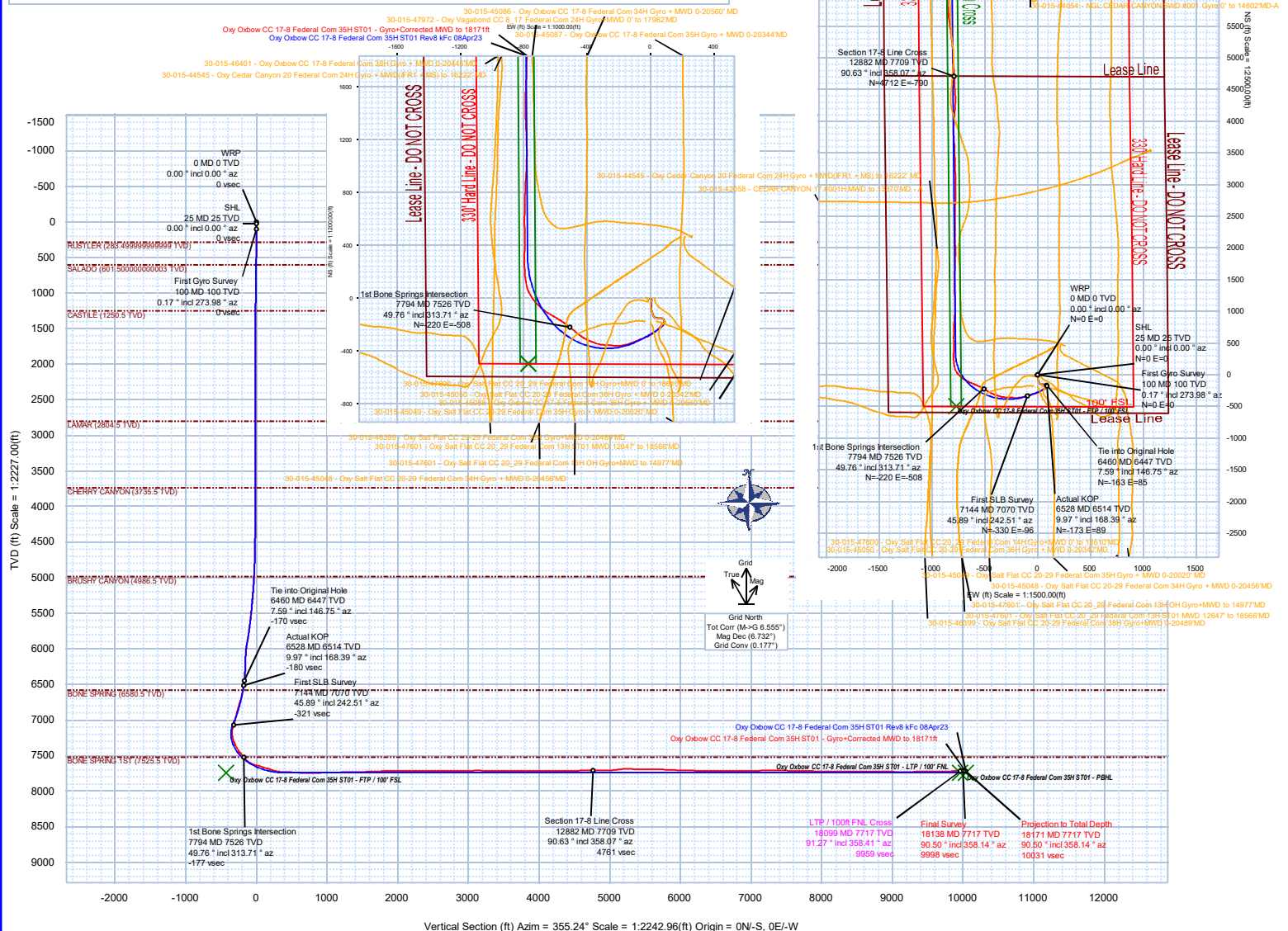
1BS LATERAL



Borehole:	Well:	Field:	Structure:
Oxy Oxbow CC 17-8 Federal Com 35H ST01	Oxy Oxbow CC 17-8 Federal Com 35H	NM Eddy County (NAD 83)	Oxy Oxbow CC 17-8 Federal Com 35H
Gravity & Magnetic Parameters			
Model: IFR1	Dip: 59.898°	Date: 31-Mar-2023	Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet
MagDec: 6.732°	FS: 47473.6nT	Gravity FS: 998.469mgn (9.80665 Based)	Lat: N 32 12 42.97 Northing: 440994.48RUS Grid Conv: 0.1766°
			Lon: W 104 0 7.07 Easting: 643820.93RUS Scale Fact: 0.99992112
Miscellaneous			
Oxy Oxbow CC	17-8 Federal Com 35H	TVD Ref: Patterson 882, RKB = 25ft (2951.5ft above MSL)	
Plan:	Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Gyro-Corrected MWD to 18171ft		

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
First Gyro Survey	100.00	0.17	273.98	100.00	0.02	0.01	-0.11	0.23
Tie into Original Hole	6460.00	7.59	146.75	6447.22	-169.65	-163.18	84.72	3.93
Actual KOP	6528.00	9.97	168.39	6514.32	-180.15	-173.40	88.58	4.61
First SLB Survey	7144.00	45.89	242.51	7069.97	-321.14	-330.24	-95.95	13.03
1st Bone Springs Intersection	7793.87	49.76	313.71	7525.50	-176.65	-219.59	-508.40	6.17
Section 17-8 Line Cross	12882.00	90.63	358.07	7708.62	4761.17	4711.90	-789.57	0.46
LTP / 100ft FNL Cross	18099.00	91.27	358.41	7717.41	9959.17	9923.77	-839.06	2.09
Final Survey	18138.00	90.50	358.14	7716.81	9998.11	9962.74	-840.23	2.09
Projection to Total Depth	18171.00	90.50	358.14	7716.52	10031.06	9995.73	-841.31	0.00



Vertical Section (ft) Azim = 355.24° Scale = 1:2242.96(ft) Origin = ON-S, 0E-W

Schlumberger



Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Gyro+Corrected MWD to 18171ft Survey Geodetic Report (Def Survey)

Report Date: April 25, 2023 - 04:47 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Oxbow CC 17-8 Federal Com 35H / Oxy Oxbow CC 17-8 Federal Com 35H
Well: Oxy Oxbow CC 17-8 Federal Com 35H
Borehole: Oxy Oxbow CC 17-8 Federal Com 35H ST01
UWI / API#: Unknown / 30-015-45087-0100
Survey Name: Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Gyro+Corrected MWD to 18171ft
Survey Date: January 31, 2023
Tort / AHD / DDI / ERD Ratio: 401.875 ° / 11289.246 ft / 7.027 / 1.458
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 42.97093", W 104° 0' 7.07475"
Location Grid N/E Y/X: N 440994.480 IUS, E 643820.930 IUS
CRS Grid Convergence Angle: 0.1766 °
Grid Scale Factor: 0.99992112
Version / Patch: 2.10.834.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 355.240 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Patterson 882, RKB = 25ft
TVD Reference Elevation: 2951.500 ft above MSL
Seabed / Ground Elevation: 2926.500 ft above MSL
Magnetic Declination: 6.732 °
Total Gravity Field Strength: 998.4690mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47473.600 nT
Magnetic Dip Angle: 59.898 °
Declination Date: March 31, 2023
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.1766 °
Total Corr Mag North->Grid North: 6.5554 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure (ft)	Closure Azimuth (ft)	Northing (IUS)	Easting (IUS)	Latitude (N ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	440994.48	643820.93	N 32 12 42.97	W 104 0 7.07
SHL	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	440994.48	643820.93	N 32 12 42.97	W 104 0 7.07
First Gyro Survey	100.00	0.17	273.98	100.00	0.02	0.01	-0.11	0.23	0.11	273.98	440994.49	643820.82	N 32 12 42.97	W 104 0 7.08
	130.00	0.18	251.35	130.00	0.01	0.00	-0.20	0.23	0.20	268.78	440994.48	643820.73	N 32 12 42.97	W 104 0 7.08
	160.00	0.20	212.50	160.00	-0.04	-0.06	-0.27	0.43	0.28	256.90	440994.42	643820.66	N 32 12 42.97	W 104 0 7.08
	190.00	0.41	169.92	190.00	-0.19	-0.21	-0.28	0.99	0.35	232.91	440994.27	643820.65	N 32 12 42.97	W 104 0 7.08
	220.00	0.41	166.84	220.00	-0.40	-0.42	-0.24	0.07	0.49	209.43	440994.06	643820.69	N 32 12 42.97	W 104 0 7.08
	250.00	0.42	167.98	250.00	-0.62	-0.64	-0.19	0.04	0.66	196.78	440993.84	643820.74	N 32 12 42.96	W 104 0 7.08
	280.00	0.43	170.38	280.00	-0.84	-0.85	-0.15	0.07	0.87	189.95	440993.63	643820.78	N 32 12 42.96	W 104 0 7.08
	310.00	0.44	170.37	310.00	-1.07	-1.08	-0.11	0.03	1.08	185.92	440993.40	643820.82	N 32 12 42.96	W 104 0 7.08
	340.00	0.43	167.75	340.00	-1.29	-1.30	-0.07	0.07	1.30	183.02	440993.18	643820.86	N 32 12 42.96	W 104 0 7.08
	370.00	0.43	170.79	369.99	-1.52	-1.52	-0.03	0.08	1.52	181.01	440992.96	643820.90	N 32 12 42.96	W 104 0 7.08
	400.00	0.43	185.76	399.99	-1.74	-1.75	-0.02	0.37	1.75	180.66	440992.73	643820.91	N 32 12 42.95	W 104 0 7.08
	430.00	0.50	196.11	429.99	-1.97	-1.98	-0.07	0.36	1.99	181.95	440992.50	643820.86	N 32 12 42.95	W 104 0 7.08
	460.00	0.64	198.36	459.99	-2.25	-2.27	-0.16	0.47	2.27	183.95	440992.21	643820.77	N 32 12 42.95	W 104 0 7.08
	490.00	0.70	200.49	489.99	-2.57	-2.60	-0.27	0.22	2.61	186.01	440991.88	643820.66	N 32 12 42.95	W 104 0 7.08
	520.00	0.74	197.86	519.99	-2.91	-2.96	-0.40	0.17	2.98	187.65	440991.52	643820.53	N 32 12 42.94	W 104 0 7.08
	550.00	0.77	197.14	549.98	-3.28	-3.33	-0.52	0.10	3.37	188.80	440991.15	643820.41	N 32 12 42.94	W 104 0 7.08
	580.00	0.77	196.71	579.98	-3.65	-3.72	-0.63	0.02	3.77	189.67	440990.76	643820.30	N 32 12 42.93	W 104 0 7.08
	610.00	0.78	195.64	609.98	-4.03	-4.11	-0.75	0.06	4.18	190.30	440990.37	643820.18	N 32 12 42.93	W 104 0 7.08
	640.00	0.80	196.53	639.98	-4.42	-4.51	-0.86	0.08	4.59	190.82	440989.97	643820.07	N 32 12 42.93	W 104 0 7.08
	670.00	0.77	197.33	669.97	-4.80	-4.90	-0.98	0.11	5.00	191.32	440989.58	643819.95	N 32 12 42.92	W 104 0 7.09
	700.00	0.77	196.89	699.97	-5.17	-5.28	-1.10	0.02	5.40	191.75	440989.20	643819.83	N 32 12 42.92	W 104 0 7.09
	730.00	0.75	195.86	729.97	-5.55	-5.67	-1.21	0.08	5.79	192.07	440988.81	643819.72	N 32 12 42.91	W 104 0 7.09
	760.00	0.74	191.63	759.96	-5.92	-6.04	-1.30	0.19	6.18	192.18	440988.44	643819.63	N 32 12 42.91	W 104 0 7.09
	790.00	0.76	190.11	789.96	-6.29	-6.43	-1.38	0.09	6.58	192.10	440988.05	643819.55	N 32 12 42.91	W 104 0 7.09
	820.00	0.74	191.12	819.96	-6.67	-6.82	-1.45	0.08	6.97	192.01	440987.66	643819.48	N 32 12 42.90	W 104 0 7.09
	850.00	0.75	188.27	849.96	-7.05	-7.20	-1.52	0.13	7.36	191.89	440987.28	643819.41	N 32 12 42.90	W 104 0 7.09
	880.00	0.75	187.67	879.95	-7.43	-7.59	-1.57	0.03	7.75	191.69	440986.89	643819.36	N 32 12 42.89	W 104 0 7.09
	910.00	0.74	186.72	909.95	-7.81	-7.98	-1.62	0.05	8.14	191.48	440986.50	643819.31	N 32 12 42.89	W 104 0 7.09
	940.00	0.75	185.05	939.95	-8.20	-8.36	-1.66	0.08	8.53	191.22	440986.12	643819.27	N 32 12 42.89	W 104 0 7.09
	970.00	0.72	172.28	969.95	-8.58	-8.75	-1.65	0.55	8.90	190.69	440985.73	643819.28	N 32 12 42.88	W 104 0 7.09
	1000.00	0.68	163.87	999.94	-8.94	-9.10	-1.58	0.37	9.24	189.82	440985.38	643819.35	N 32 12 42.88	W 104 0 7.09
	1030.00	0.68	156.48	1029.94	-9.29	-9.44	-1.46	0.29	9.55	188.77	440985.04	643819.47	N 32 12 42.87	W 104 0 7.09
	1060.00	0.64	147.44	1059.94	-9.60	-9.74	-1.29	0.37	9.83	187.57	440984.74	643819.64	N 32 12 42.87	W 104 0 7.09
	1090.00	0.63	140.47	1089.94	-9.89	-10.01	-1.10	0.26	10.07	186.27	440984.47	643819.83	N 32 12 42.87	W 104 0 7.09
	1120.00	0.61	137.58	1119.94	-10.15	-10.26	-0.89	0.12	10.29	184.94	440984.22	643820.04	N 32 12 42.87	W 104 0 7.09
	1150.00	0.57	132.70	1149.94	-10.38	-10.48	-0.67	0.21	10.50	183.66	440984.01	643820.26	N 32 12 42.87	W 104 0 7.08
	1180.00	0.58	127.99	1179.93	-10.60	-10.67	-0.44	0.16	10.68	182.36	440983.81	643820.49	N 32 12 42.87	W 104 0 7.08
	1210.00	0.51	122.92	1209.93	-10.78	-10.84	-0.21	0.28	10.84	181.10	440983.64	643820.72	N 32 12 42.86	W 104 0 7.08
	1240.00	0.49	116.99	1239.93	-10.93	-10.97	0.02	0.18	10.97	179.91	440983.51	643820.95	N 32 12 42.86	W 104 0 7.07
	1270.00	0.47	110.30	1269.93	-11.05	-11.07	0.25	0.20	11.07	178.72	440983.41	643821.18	N 32 12 42.86	W 104 0 7.07
	1300.00	0.45	98.31	1299.93	-11.13	-11.13	0.48	0.33	11.14	177.53	440983.35	643821.41	N 32 12 42.86	W 104 0 7.07
	1330.00	0.41	93.28	1329.93	-11.17	-11.15	0.70	0.18	11.17	176.39	440983.33	643821.63	N 32 12 42.86	W 104 0 7.07
	1360.00	0.33	74.88	1359.93	-11.17	-11.13	0.89	0.47	11.17	175.41	440983.35	643821.82	N 32 12 42.86	W 104 0 7.06
	1390.00	0.22	76.91	1389.93	-11.15	-11.10	1.03	0.37	11.15	174.68	440983.38	643821.96	N 32 12 42.86	W 104 0 7.06
	1420.00	0.15	74.85	1419.93	-11.13	-11.08	1.13	0.23	11.13	174.19	440983.41	643822.06	N 32 12 42.86	W 104 0 7.06
	1450.00	0.06	126.68	1449.93	-11.13	-11.08	1.18	0.41	11.14	173.93	440983.41	643822.11	N 32 12 42.86	W 104 0 7.06
	1480.00	0.06	139.76	1479.93	-11.16	-11.10	1.20	0.04	11.16	173.83	440983.38	643822.13	N 32 12 42.86	W 104 0 7.06
	1510.00	0.05	164.99	1509.93	-11.18	-11.12	1.21	0.09	11.19	173.77	440983.36	643822.14	N 32 12 42.86	W 104 0 7.06
	1540.00	0.04	133.81	1539.93	-11.20	-11.14	1.22	0.09	11.21	173.73	440983.34	643822.15	N 32 12 42.86	W 104 0 7.06
	1570.00	0.08	90.29	1569.93	-11.21	-11.15	1.25	0.19	11.22	173.59	440983.33	643822.18	N 32 12 42.86	W 104 0 7.06
	1600.00	0.11	90.94	1599.93	-11.22	-11.15	1.30	0.10	11.23	173.34	440983.33	643822.23	N 32 12 42.86	W 104 0 7.06
	1630.00	0.11	98.48	1629.93	-11.23	-11.15	1.36	0.05	11.24	173.05	440983.33	643822.29	N 32 12 42.86	W 104 0 7.06
	1660.00	0.10	119.16	1659.93	-11.25	-11.17	1.41	0.13	11.26	172.80	440983.31	643822.34	N 32 12 42.86	W 104 0 7.06
	1690.00	0.09	127.21	1689.93	-11.28	-11.20	1.45	0.06	11.29	172.61	440983.28	643822.38	N 32 12 42.86	W 104 0 7.06
	1720.00	0.09	129.49	1719.93	-11.31	-11.23	1.49	0.01	11.33	172.44	440983.25	643822.42	N 32 12 42.86	W 104 0 7.06
	1750.00	0.03	64.18	1749.93	-11.33	-11.24	1.52	0.27	11.34	172.32	440983.24	643822.44	N 32 12 42.86	W 104 0 7.06
	1780.00	0.08	27.71	1779.93	-11.31	-11.22	1.53	0.20	11.32	172.22	440983.26	643822.46	N 32 12 42.86	W 104 0 7.06
	1810.00	0.10	349.09	1809.93	-11.26	-11.17	1.54	0.21	11.28	172.17	440983.31	643822.47	N 32 12 42.86	W 104 0 7.06
	1840.00	0.24	335.09	1839.93	-11.18	-11.09	1.51	0.48	11.19	172.27	440983.39	643822.44	N 32 12 42.86	W 104 0 7.06
	1870.00	0.40	313.09	1869.93	-11.04	-10.96	1.40	0.66	11.05	172.71	440983.52	643822.33	N 32 12 42.86	W 104 0 7.06
	1900.00	0.47	297.53	1899.93	-10.90	-10.83	1.22	0.46	10.90	173.59	440983.65	643822.15	N 32 12 42.86	W 104 0 7.06
	1930.00	0.39	284.17	1929.92	-10.80	-10.75	1.01	0.43	10.80	174.64	440983.73	643821.94	N 32 12 42.86	W 104 0 7.06
	1960.00	0.32	264.13	1959.92	-10.77	-10.73	0.83	0.47	10.77	175.60	440983.75			

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N S ° ' ")	Longitude (E W ° ' ")
	2620.00	1.63	131.89	2619.83	-16.02	-15.33	8.89	0.34	17.72	149.90	440079.15	643829.82	N 32 12 42.82	W 104 0 6.97
	2650.00	1.47	129.58	2649.82	-16.60	-15.86	9.50	0.57	18.49	149.08	440078.62	643830.43	N 32 12 42.81	W 104 0 6.96
	2680.00	1.10	128.20	2679.82	-17.06	-16.29	10.03	1.24	19.13	148.38	440078.19	643830.96	N 32 12 42.81	W 104 0 6.96
	2710.00	0.54	114.89	2709.81	-17.33	-16.52	10.38	1.96	19.51	147.86	440077.96	643831.31	N 32 12 42.81	W 104 0 6.95
	2740.00	0.23	87.70	2739.81	-17.40	-16.58	10.57	1.17	19.66	147.49	440077.90	643831.50	N 32 12 42.81	W 104 0 6.95
	2770.00	0.17	343.95	2769.81	-17.36	-16.54	10.62	1.06	19.65	147.30	440077.94	643831.55	N 32 12 42.81	W 104 0 6.95
	2800.00	0.16	201.69	2799.81	-17.35	-16.53	10.59	1.04	19.63	147.36	440077.95	643831.52	N 32 12 42.81	W 104 0 6.95
	2830.00	0.19	160.99	2829.81	-17.44	-16.62	10.59	0.42	19.71	147.49	440077.86	643831.52	N 32 12 42.81	W 104 0 6.95
	2860.00	0.21	122.26	2859.81	-17.52	-16.70	10.65	0.45	19.80	147.46	440077.79	643831.58	N 32 12 42.81	W 104 0 6.95
	2890.00	0.25	47.48	2889.81	-17.51	-16.68	10.75	0.94	19.84	147.21	440077.80	643831.68	N 32 12 42.81	W 104 0 6.95
	2920.00	0.30	19.08	2919.81	-17.40	-16.56	10.82	0.48	19.78	146.84	440077.92	643831.75	N 32 12 42.81	W 104 0 6.95
	2950.00	0.32	6.39	2949.81	-17.25	-16.40	10.86	0.24	19.67	146.50	440078.08	643831.79	N 32 12 42.81	W 104 0 6.95
	2980.00	0.30	322.76	2979.81	-17.10	-16.26	10.82	0.77	19.53	146.36	440078.22	643831.75	N 32 12 42.81	W 104 0 6.95
	3010.00	0.34	294.52	3009.81	-16.99	-16.16	10.69	0.54	19.37	146.51	440078.32	643831.62	N 32 12 42.81	W 104 0 6.95
	3040.00	0.28	279.25	3039.81	-16.93	-16.11	10.54	0.34	19.25	146.82	440078.37	643831.47	N 32 12 42.81	W 104 0 6.95
	3070.00	0.27	244.43	3069.81	-16.94	-16.13	10.40	0.55	19.19	147.19	440078.35	643831.33	N 32 12 42.81	W 104 0 6.95
	3100.00	0.25	194.41	3099.81	-17.02	-16.22	10.32	0.74	19.23	147.54	440078.26	643831.25	N 32 12 42.81	W 104 0 6.96
	3130.00	0.20	157.23	3129.81	-17.13	-16.33	10.32	0.50	19.32	147.71	440078.15	643831.25	N 32 12 42.81	W 104 0 6.96
	3160.00	0.25	101.61	3159.81	-17.20	-16.40	10.41	0.72	19.42	147.59	440078.09	643831.34	N 32 12 42.81	W 104 0 6.95
	3190.00	0.28	61.04	3189.81	-17.19	-16.37	10.54	0.62	19.47	147.24	440078.11	643831.47	N 32 12 42.81	W 104 0 6.95
	3220.00	0.33	37.76	3219.81	-17.10	-16.27	10.65	0.44	19.45	146.78	440078.21	643831.58	N 32 12 42.81	W 104 0 6.95
	3250.00	0.33	21.05	3249.81	-16.96	-16.12	10.74	0.32	19.37	146.33	440078.36	643831.67	N 32 12 42.81	W 104 0 6.95
	3280.00	0.27	351.36	3279.81	-16.81	-15.97	10.76	0.55	19.26	146.04	440078.51	643831.69	N 32 12 42.81	W 104 0 6.95
	3310.00	0.24	337.45	3309.81	-16.68	-15.84	10.72	0.23	19.13	145.91	440078.64	643831.65	N 32 12 42.81	W 104 0 6.95
	3340.00	0.23	310.74	3339.81	-16.57	-15.75	10.65	0.36	19.01	145.92	440078.74	643831.58	N 32 12 42.81	W 104 0 6.95
	3370.00	0.21	288.15	3369.81	-16.51	-15.69	10.56	0.29	18.91	146.07	440078.79	643831.48	N 32 12 42.82	W 104 0 6.95
	3400.00	0.19	266.79	3399.81	-16.49	-15.67	10.45	0.26	18.84	146.30	440078.81	643831.38	N 32 12 42.82	W 104 0 6.95
	3430.00	0.18	254.94	3429.80	-16.49	-15.69	10.36	0.13	18.80	146.57	440078.79	643831.29	N 32 12 42.82	W 104 0 6.95
	3460.00	0.18	226.61	3459.80	-16.53	-15.73	10.28	0.29	18.79	146.84	440078.75	643831.21	N 32 12 42.81	W 104 0 6.96
	3490.00	0.18	216.15	3489.80	-16.60	-15.80	10.22	0.11	18.82	147.12	440078.68	643831.15	N 32 12 42.81	W 104 0 6.96
	3520.00	0.20	202.17	3519.80	-16.68	-15.89	10.17	0.17	18.87	147.38	440078.59	643831.10	N 32 12 42.81	W 104 0 6.96
	3550.00	0.18	193.48	3549.80	-16.77	-15.99	10.14	0.12	18.93	147.62	440078.50	643831.07	N 32 12 42.81	W 104 0 6.96
	3580.00	0.21	191.26	3579.80	-16.87	-16.09	10.12	0.10	19.00	147.83	440078.40	643831.05	N 32 12 42.81	W 104 0 6.96
	3610.00	0.17	169.30	3609.80	-16.97	-16.18	10.11	0.27	19.08	147.99	440078.30	643831.04	N 32 12 42.81	W 104 0 6.96
	3640.00	0.16	137.12	3639.80	-17.04	-16.26	10.15	0.31	19.17	148.02	440078.22	643831.08	N 32 12 42.81	W 104 0 6.96
	3670.00	0.16	108.08	3669.80	-17.09	-16.30	10.22	0.27	19.24	147.92	440078.18	643831.15	N 32 12 42.81	W 104 0 6.96
	3700.00	0.15	85.80	3699.80	-17.11	-16.31	10.30	0.20	19.29	147.73	440078.17	643831.23	N 32 12 42.81	W 104 0 6.96
	3730.00	0.18	63.89	3729.80	-17.09	-16.29	10.38	0.23	19.31	147.49	440078.19	643831.31	N 32 12 42.81	W 104 0 6.95
	3760.00	0.19	22.67	3759.80	-17.03	-16.22	10.44	0.44	19.29	147.23	440078.26	643831.37	N 32 12 42.81	W 104 0 6.95
	3790.00	0.20	353.27	3789.80	-16.93	-16.12	10.45	0.33	19.22	147.04	440078.36	643831.38	N 32 12 42.81	W 104 0 6.95
	3820.00	0.22	322.41	3819.80	-16.83	-16.03	10.41	0.38	19.11	146.98	440078.46	643831.34	N 32 12 42.81	W 104 0 6.95
	3850.00	0.25	301.81	3849.80	-16.75	-15.95	10.32	0.30	18.99	147.08	440078.54	643831.25	N 32 12 42.81	W 104 0 6.96
	3880.00	0.30	281.79	3879.80	-16.69	-15.89	10.19	0.36	18.88	147.34	440078.59	643831.12	N 32 12 42.81	W 104 0 6.96
	3910.00	0.29	264.46	3909.80	-16.66	-15.89	10.04	0.30	18.79	147.71	440078.60	643830.97	N 32 12 42.81	W 104 0 6.96
	3940.00	0.32	240.26	3939.80	-16.70	-15.93	9.89	0.44	18.75	148.18	440078.55	643830.82	N 32 12 42.81	W 104 0 6.96
	3970.00	0.32	220.90	3969.80	-16.79	-16.04	9.76	0.36	18.78	148.68	440078.44	643830.69	N 32 12 42.81	W 104 0 6.96
	4000.00	0.31	212.66	3999.80	-16.92	-16.17	9.66	0.15	18.84	149.14	440078.31	643830.59	N 32 12 42.81	W 104 0 6.96
	4030.00	0.31	187.58	4029.80	-17.06	-16.32	9.61	0.45	18.94	149.51	440078.16	643830.54	N 32 12 42.81	W 104 0 6.96
	4060.00	0.31	183.10	4059.80	-17.22	-16.48	9.59	0.08	19.07	149.80	440077.80	643830.52	N 32 12 42.81	W 104 0 6.96
	4090.00	0.30	168.65	4089.80	-17.38	-16.64	9.60	0.28	19.21	150.01	440077.84	643830.53	N 32 12 42.81	W 104 0 6.96
	4120.00	0.27	161.90	4119.80	-17.53	-16.78	9.64	0.15	19.36	150.12	440077.70	643830.57	N 32 12 42.80	W 104 0 6.96
	4150.00	0.25	127.19	4149.80	-17.64	-16.89	9.72	0.52	19.49	150.09	440077.59	643830.65	N 32 12 42.80	W 104 0 6.96
	4180.00	0.21	103.72	4179.80	-17.70	-16.94	9.82	0.34	19.58	149.90	440077.54	643830.75	N 32 12 42.80	W 104 0 6.96
	4210.00	0.18	66.86	4209.80	-17.70	-16.94	9.92	0.42	19.63	149.65	440077.54	643830.85	N 32 12 42.80	W 104 0 6.96
	4240.00	0.16	29.10	4239.80	-17.65	-16.88	9.98	0.37	19.61	149.41	440077.60	643830.91	N 32 12 42.80	W 104 0 6.96
	4270.00	0.20	334.06	4269.80	-17.57	-16.80	9.98	0.57	19.54	149.29	440077.68	643830.91	N 32 12 42.80	W 104 0 6.96
	4300.00	0.24	307.39	4299.80	-17.48	-16.71	9.91	0.36	19.43	149.34	440077.77	643830.84	N 32 12 42.81	W 104 0 6.96
	4330.00	0.31	277.63	4329.80	-17.42	-16.66	9.78	0.52	19.32	149.60	440077.82	643830.71	N 32 12 42.81	W 104 0 6.96
	4360.00	0.32	250.53	4359.80	-17.42	-16.68	9.62	0.49	19.26	150.04	440077.80	643830.55	N 32 12 42.81	W 104 0 6.96
	4390.00	0.33	229.49	4389.80	-17.49	-16.77	9.47	0.40	19.26	150.54	440077.72	643830.40	N 32 12 42.80	W 104 0 6.97
	4420.00	0.38	206.83	4419.80	-17.63	-16.91	9.36	0.49	19.33	151.03	440077.57	643830.29	N 32 12 42.80	W 104 0 6.97
	4450.00	0.47	203.48	4449.80	-17.82	-17.11	9.27	0.31	19.46	151.56	440077.37	643830.20	N 32 12 42.80	W 104 0 6.97
	4480.00	0.55	204.31	4479.79	-18.06	-17.36	9.16	0.27	19.62	152.18	440077.12	643830.09	N 32 12 42.80	W 104 0 6.97
	4510.00	0.68	203.35	4509.79	-18.34	-17.65	9.03	0.43	19.83	152.91	440076.83	643829.96	N 32 12 42.80	W 104 0 6.97
	4540.00	0.87	201.61	4539.79	-18.70	-18.03	8.87	0.64	20.09	153.79	440076.46	643829.80	N 32 12 42.79	W 104 0 6.97
	4570.00	1.07	201.27	4569.79	-19.16	-18.50	8.69	0.67	20.44	154.84	440075.98	643829.62	N 32 12 42.79	W 104 0 6.97
	4600.00	1.23	199.19	4599.78	-19.70	-19.06	8.48	0.55	20.87	156.01	440075.42	643829.41	N 32 12 42.78	W 104 0 6.98
	4630.00	1.41	197.55	4629.77	-20.34	-19.72	8.26	0.61	21.38	157.26	440074.76	643829.19	N 32 12 42.78	W 104 0 6.98
	4660.00	1.53	197.04	4659.76	-21.05	-20.46	8.04	0.40	21.98	158.55	440074.03	643828.97	N 32 12 42.77	W 104 0 6.98
	4690.00	1.65	195.00	4689.75	-21.83	-21.26	7.81	0.44	22.64	159.83	440073.23	643828.74		

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (1000ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N S ° ' '')	Longitude (E W ° ' '')
Tie into Original Hole	6010.00	8.79	147.89	6002.50	-144.90	-143.48	23.02	5.11	145.32	170.89	440851.01	643843.95	N 32 12 41.55	W 104 0 6.81
	6040.00	7.06	133.39	6032.22	-148.31	-146.69	25.58	8.77	148.91	170.11	440847.80	643846.50	N 32 12 41.52	W 104 0 6.78
	6070.00	6.69	114.34	6062.01	-150.53	-148.68	28.51	7.66	151.39	169.15	440845.81	643849.44	N 32 12 41.49	W 104 0 6.75
	6100.00	8.01	100.00	6091.76	-151.92	-149.76	32.16	7.50	153.18	167.88	440844.73	643853.09	N 32 12 41.49	W 104 0 6.71
	6130.00	9.99	95.39	6121.40	-152.90	-150.37	36.78	6.70	154.80	166.25	440844.12	643857.71	N 32 12 41.48	W 104 0 6.65
	6160.00	10.55	94.64	6150.92	-153.80	-150.83	42.09	2.24	156.59	164.41	440843.66	643863.01	N 32 12 41.48	W 104 0 6.59
	6190.00	10.78	94.21	6180.40	-154.69	-151.26	47.62	0.81	158.58	162.52	440843.23	643868.55	N 32 12 41.47	W 104 0 6.53
	6220.00	10.84	93.96	6209.87	-155.56	-151.66	53.23	0.25	160.73	160.66	440842.83	643874.16	N 32 12 41.47	W 104 0 6.46
	6250.00	10.73	94.36	6239.34	-156.43	-152.07	58.83	0.44	163.05	158.85	440842.42	643879.76	N 32 12 41.46	W 104 0 6.40
	6280.00	9.80	96.68	6268.86	-157.37	-152.58	64.15	3.39	165.52	157.19	440841.91	643885.08	N 32 12 41.46	W 104 0 6.33
	6310.00	8.57	101.35	6298.47	-158.50	-153.31	68.88	4.79	168.08	155.81	440841.18	643889.81	N 32 12 41.45	W 104 0 6.28
	6340.00	8.01	106.28	6328.16	-159.87	-154.34	73.08	3.01	170.77	154.66	440840.15	643894.00	N 32 12 41.44	W 104 0 6.23
	6370.00	7.23	115.50	6357.90	-161.57	-155.74	76.79	4.83	173.64	153.75	440838.75	643897.71	N 32 12 41.43	W 104 0 6.19
	6400.00	6.81	129.08	6387.67	-163.76	-157.67	79.87	5.69	176.75	153.13	440836.82	643900.80	N 32 12 41.41	W 104 0 6.15
	6430.00	6.93	139.01	6417.46	-166.45	-160.16	82.44	3.97	180.13	152.76	440834.33	643903.37	N 32 12 41.38	W 104 0 6.12
Actual KOP	6460.00	7.59	146.75	6447.22	-169.65	-163.18	84.72	3.93	183.86	152.56	440831.31	643905.64	N 32 12 41.35	W 104 0 6.09
	6485.00	9.54	156.96	6471.94	-173.07	-166.47	86.43	9.86	187.57	152.56	440828.02	643907.36	N 32 12 41.32	W 104 0 6.07
	6528.00	9.97	168.39	6514.32	-180.15	-173.40	88.58	4.61	194.71	152.94	440821.10	643909.50	N 32 12 41.25	W 104 0 6.05
	6554.00	9.97	193.89	6539.94	-184.52	-177.79	88.49	16.84	198.59	153.54	440816.71	643909.41	N 32 12 41.21	W 104 0 6.05
	6581.00	12.06	215.96	6566.46	-188.87	-182.34	86.27	17.29	201.72	154.68	440812.15	643907.19	N 32 12 41.16	W 104 0 6.08
First SLB Survey	6676.00	17.73	213.50	6658.23	-207.77	-202.46	72.45	6.00	215.03	160.31	440792.04	643893.37	N 32 12 40.97	W 104 0 6.24
	6770.00	24.48	217.72	6745.88	-233.40	-229.83	52.61	7.36	235.77	167.11	440764.67	643873.53	N 32 12 40.70	W 104 0 6.47
	6865.00	24.13	227.30	6832.49	-259.87	-258.58	26.28	4.16	259.91	174.20	440735.92	643847.21	N 32 12 40.41	W 104 0 6.78
	6960.00	24.10	236.01	6919.23	-281.29	-282.60	-4.08	3.74	282.63	180.83	440711.90	643816.85	N 32 12 40.17	W 104 0 7.13
	7054.00	34.28	245.07	7001.22	-299.84	-304.55	-44.12	11.78	307.73	188.24	440689.95	643776.81	N 32 12 39.96	W 104 0 7.60
	7144.00	45.89	242.51	7069.97	-321.14	-330.24	-95.95	13.03	343.90	196.20	440664.26	643724.99	N 32 12 39.71	W 104 0 8.20
	7239.00	43.33	254.77	7137.72	-340.28	-354.60	-157.78	9.44	388.11	203.99	440639.91	643663.16	N 32 12 39.47	W 104 0 8.92
	7333.00	44.54	273.84	7205.71	-341.22	-360.89	-222.08	14.10	423.74	211.61	440633.62	643598.87	N 32 12 39.41	W 104 0 9.67
	7427.00	48.54	275.43	7270.36	-330.05	-355.35	-290.06	4.43	458.70	219.22	440639.16	643530.89	N 32 12 39.46	W 104 0 10.46
	7522.00	45.48	293.23	7335.41	-307.76	-338.54	-356.92	14.05	491.94	226.51	440655.96	643464.03	N 32 12 39.63	W 104 0 11.24
	7617.00	44.47	304.81	7402.72	-270.60	-306.13	-415.47	8.67	516.07	233.62	440688.37	643450.50	N 32 12 39.95	W 104 0 11.92
	7711.00	45.20	316.85	7469.50	-223.40	-262.93	-465.40	9.06	534.54	240.54	440731.57	643355.57	N 32 12 40.38	W 104 0 12.50
	7793.87	49.76	313.71	7525.50	-176.65	-219.59	-508.40	6.17	553.80	246.64	440774.91	643312.57	N 32 12 40.81	W 104 0 13.00
	7806.00	50.44	313.29	7533.28	-169.70	-213.18	-515.15	6.17	557.52	247.52	440781.31	643305.82	N 32 12 40.88	W 104 0 13.08
1st Bone Springs Intersection	7900.00	61.42	305.66	7585.91	-115.77	-164.08	-575.31	13.46	598.25	254.08	440830.42	643245.67	N 32 12 41.37	W 104 0 13.78
	7995.00	77.06	305.63	7619.48	-58.37	-112.47	-647.27	16.46	656.97	260.14	440882.02	643173.71	N 32 12 41.88	W 104 0 14.61
	8090.00	78.88	322.16	7639.41	11.15	-48.26	-713.94	17.12	715.57	266.13	440946.22	643107.05	N 32 12 42.52	W 104 0 15.39
	8184.00	73.19	336.11	7662.20	92.74	29.72	-760.71	15.61	761.29	272.24	441024.20	643060.28	N 32 12 43.29	W 104 0 15.93
	8279.00	70.81	352.53	7691.73	181.07	116.32	-785.11	16.62	793.68	278.43	441110.79	643035.88	N 32 12 44.15	W 104 0 16.21
	8374.00	77.52	357.35	7717.66	272.38	207.29	-793.10	8.58	819.74	284.65	441201.75	643027.90	N 32 12 45.05	W 104 0 16.30
	8468.00	88.35	1.08	7729.20	365.29	300.41	-794.34	12.17	849.25	290.72	441294.86	643026.66	N 32 12 45.47	W 104 0 16.31
	8563.00	87.86	0.41	7732.35	459.80	395.35	-793.10	0.87	886.18	296.50	441389.80	643027.89	N 32 12 46.91	W 104 0 16.29
	8631.00	85.74	359.52	7736.14	527.46	463.24	-793.15	3.38	918.51	300.29	441457.68	643027.85	N 32 12 47.58	W 104 0 16.29
	8725.00	86.37	359.69	7742.61	620.96	557.01	-793.79	0.69	969.73	305.06	441551.45	643027.20	N 32 12 48.51	W 104 0 16.29
	8820.00	90.14	0.90	7745.50	715.53	651.95	-793.30	4.17	1026.82	309.41	441646.37	643027.69	N 32 12 49.45	W 104 0 16.28
	8914.00	91.07	1.46	7744.51	809.02	745.92	-791.37	1.15	1087.50	313.31	441740.34	643029.63	N 32 12 50.38	W 104 0 16.26
	9009.00	91.50	1.91	7742.38	903.39	840.86	-788.57	0.66	1152.77	316.84	441835.27	643032.42	N 32 12 51.32	W 104 0 16.22
	9104.00	91.87	2.52	7739.58	997.65	935.74	-784.90	0.75	1221.35	320.01	441930.15	643036.09	N 32 12 52.25	W 104 0 16.18
	9198.00	91.64	1.93	7736.71	1029.63	1029.63	-781.26	0.67	1292.48	322.81	442024.02	643039.74	N 32 12 53.18	W 104 0 16.13
Section 17-8 Line Cross	9293.00	90.89	359.31	7734.61	1124.59	1124.59	-780.23	2.87	1366.74	325.25	442118.98	643040.76	N 32 12 54.12	W 104 0 16.12
	9388.00	90.27	358.02	7733.65	1280.28	1280.28	-782.44	1.51	1449.98	327.32	442213.94	643038.55	N 32 12 55.06	W 104 0 16.14
	9482.00	91.23	357.86	7732.42	1374.17	1313.49	-785.82	1.04	1530.61	329.11	442307.86	643035.17	N 32 12 55.99	W 104 0 16.17
	9577.00	92.18	359.15	7729.59	1468.97	1406.41	-788.30	1.69	1614.01	330.76	442402.77	643032.70	N 32 12 56.93	W 104 0 16.20
	9672.00	91.81	0.97	7726.28	1563.57	1503.35	-788.20	1.95	1697.44	332.33	442497.71	643032.80	N 32 12 57.87	W 104 0 16.20
	9767.00	91.50	2.36	7723.54	1657.93	1598.26	-785.44	1.50	1780.83	333.83	442592.62	643035.55	N 32 12 58.81	W 104 0 16.16
	9862.00	92.21	1.13	7720.46	1752.27	1693.17	-782.55	1.49	1865.26	335.19	442687.51	643038.45	N 32 12 59.75	W 104 0 16.12
	9956.00	90.94	1.18	7717.88	1845.73	1787.11	-780.65	1.35	1950.18	336.40	442781.45	643040.34	N 32 13 0.68	W 104 0 16.10
	10051.00	91.38	1.66	7715.96	1940.16	1882.06	-778.30	0.69	2036.64	337.53	442876.39	643042.69	N 32 13 1.62	W 104 0 16.07
	10146.00	91.57	359.39	7713.51	2034.72	1977.02	-777.43	2.40	2124.38	338.53	442971.34	643043.56	N 32 13 2.56	W 104 0 16.05
	10240.00	89.61	357.11	7712.54	2128.57	2070.96	-780.30	3.20	2213.09	339.35	443065.27	643040.69	N 32 13 3.49	W 104 0 16.08
	10335.00	89.86	0.96	7712.98	2223.34	2165.93	-781.90	4.06	2302.74	340.15	443160.23	643039.09	N 32 13 4.43	W 104 0 16.10
	10430.00	89.71	0.85	7713.34	2317.88	2260.92	-780.40	0.20	2391.81	340.96	443255.21	643040.59	N 32 13 5.37	W 104 0 16.08
	10525.00	89.65	359.45	7713.87	2412.53	2355.91	-780.15	1.48	2481.73	341.68	443350.20	643040.84	N 32 13 6.31	W 104 0 16.07
	10619.00	89.31	0.42	7714.72	2506.21	2449.91	-780.26	1.09	2571.16	342.33	443444.19	643040.74	N 32 13 7.24	W 104 0 16.07
Section 17-8 Line Cross	10714.00	89.70	0.70	7715.54	2600.79	2544.90	-779.33	0.51	2661.55	342.97	443539.17	643041.66	N 32 13 8.18	W 104 0 16.05
	10809.00	90.18	359.84	7715.64	2695.42	2639.90	-778.88	1.04						

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (² /100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	15436.00	89.88	1.46	7710.74	7305.35	7262.13	-822.68	0.97	7308.57	353.54	448256.02	642998.32	N 32 13 54.86	W 104 0 16.39
	15530.00	90.26	1.56	7710.63	7398.78	7356.09	-820.20	0.42	7401.68	353.64	448349.98	643000.80	N 32 13 55.79	W 104 0 16.36
	15625.00	88.51	1.22	7711.65	7493.23	7451.06	-817.89	1.88	7495.81	353.74	448444.93	643003.10	N 32 13 56.72	W 104 0 16.33
	15720.00	88.43	0.90	7714.18	7587.70	7546.01	-816.14	0.35	7590.01	353.83	448539.87	643004.86	N 32 13 57.66	W 104 0 16.31
	15815.00	88.62	1.33	7716.63	7682.17	7640.96	-814.29	0.49	7684.22	353.92	448634.82	643006.71	N 32 13 58.60	W 104 0 16.28
	15909.00	89.37	1.62	7718.28	7775.60	7734.91	-811.87	0.86	7777.40	354.01	448728.76	643009.12	N 32 13 59.53	W 104 0 16.25
	16004.00	89.24	1.90	7719.43	7869.98	7829.86	-808.95	0.32	7871.54	354.10	448823.70	643012.04	N 32 14 0.47	W 104 0 16.21
	16099.00	90.05	1.41	7720.02	7964.38	7924.81	-806.21	1.00	7965.72	354.19	448918.65	643014.79	N 32 14 1.41	W 104 0 16.18
	16193.00	89.69	1.71	7720.23	8057.81	8018.78	-803.65	0.50	8058.95	354.28	449012.61	643017.34	N 32 14 2.34	W 104 0 16.14
	16288.00	87.68	1.18	7722.41	8152.22	8113.72	-801.26	2.19	8153.19	354.36	449107.54	643019.74	N 32 14 3.28	W 104 0 16.11
	16383.00	89.16	1.40	7725.03	8246.66	8208.66	-799.12	1.57	8247.46	354.44	449202.47	643021.88	N 32 14 4.22	W 104 0 16.08
	16477.00	91.44	0.86	7724.54	8340.15	8302.63	-797.26	2.49	8340.82	354.51	449296.44	643023.73	N 32 14 5.15	W 104 0 16.06
	16572.00	90.61	359.16	7722.84	8434.80	8397.61	-797.25	1.99	8435.37	354.58	449391.41	643023.75	N 32 14 6.09	W 104 0 16.05
	16667.00	90.58	357.61	7721.85	8529.65	8492.56	-799.92	1.63	8530.15	354.62	449486.36	643021.07	N 32 14 7.03	W 104 0 16.08
	16762.00	89.66	357.67	7721.65	8624.57	8587.48	-803.84	0.97	8625.02	354.65	449581.27	643017.16	N 32 14 7.97	W 104 0 16.12
	16857.00	89.93	357.81	7721.99	8719.48	8682.41	-807.58	0.32	8719.89	354.69	449676.19	643013.41	N 32 14 8.91	W 104 0 16.16
	16951.00	88.37	357.88	7723.39	8813.37	8776.33	-811.12	1.66	8813.73	354.72	449770.10	643009.88	N 32 14 9.84	W 104 0 16.20
	17046.00	89.47	358.30	7725.18	8908.23	8871.26	-814.28	1.24	8908.55	354.76	449865.02	643006.71	N 32 14 10.78	W 104 0 16.24
	17141.00	88.86	357.80	7726.56	9003.11	8966.19	-817.51	0.83	9003.38	354.79	449959.95	643003.48	N 32 14 11.72	W 104 0 16.27
	17235.00	88.26	358.28	7728.92	9096.96	9060.11	-820.73	0.82	9097.20	354.82	450053.85	643000.27	N 32 14 12.65	W 104 0 16.30
	17330.00	91.19	358.85	7729.38	9191.79	9155.06	-823.11	3.14	9191.99	354.86	450148.80	642997.89	N 32 14 13.59	W 104 0 16.33
	17425.00	91.14	359.36	7727.45	9286.56	9250.03	-824.59	0.54	9286.71	354.91	450243.76	642996.41	N 32 14 14.53	W 104 0 16.34
	17520.00	91.36	359.16	7725.38	9381.30	9345.00	-825.82	0.31	9381.42	354.95	450338.73	642995.18	N 32 14 15.47	W 104 0 16.35
	17614.00	91.64	359.10	7722.92	9475.05	9438.96	-827.24	0.30	9475.14	354.99	450432.68	642993.75	N 32 14 16.40	W 104 0 16.37
	17709.00	89.87	358.70	7721.66	9569.85	9533.93	-829.07	1.91	9569.91	355.03	450527.64	642991.93	N 32 14 17.34	W 104 0 16.38
	17804.00	90.49	358.84	7721.37	9664.66	9628.91	-831.11	0.67	9664.71	355.07	450622.61	642989.89	N 32 14 18.28	W 104 0 16.41
	17898.00	90.71	358.64	7720.38	9758.48	9722.88	-833.17	0.32	9758.51	355.10	450716.57	642987.82	N 32 14 19.21	W 104 0 16.43
	17993.00	90.53	358.07	7719.35	9853.34	9817.83	-835.90	0.63	9853.35	355.13	450811.52	642985.10	N 32 14 20.14	W 104 0 16.45
	18088.00	91.49	358.48	7717.68	9948.19	9912.77	-838.76	1.10	9948.20	355.16	450906.45	642982.24	N 32 14 21.08	W 104 0 16.48
LTP / 100ft FNL Cross	18099.00	91.27	358.41	7717.41	9959.17	9923.77	-839.06	2.09	9959.18	355.17	450917.44	642981.94	N 32 14 21.19	W 104 0 16.49
Final Survey	18138.00	90.50	358.14	7716.81	9998.11	9962.74	-840.23	2.09	9998.11	355.18	450956.42	642980.76	N 32 14 21.58	W 104 0 16.50
Projection to Total Depth	18171.00	90.50	358.14	7716.52	10031.06	9995.73	-841.31	0.00	10031.07	355.19	450989.40	642979.69	N 32 14 21.91	W 104 0 16.51

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	25.000	1/98.425	26.400	26.400	GYD_GC+WIR+CAS-Depth Only	Oxy Oxbow CC 17-8 Federal Com 35H ST01 / Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Oxy Oxbow CC 17-8 Federal Com
	1	25.000	25.000	Act Stns	26.400	26.400	GYD_GC+WIR+CAS-Depth Only	35H ST01 / Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Oxy Oxbow CC 17-8 Federal Com
	1	25.000	6460.000	Act Stns	26.400	26.400	GYD_GC+WIR+CAS	35H ST01 / Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Oxy Oxbow CC 17-8 Federal Com
	1	6460.000	7054.000	Act Stns	26.400	26.400	GYD_rev3_Javelin_GWD+SAG	Oxy Oxbow CC 17-8 Federal Com 35H ST01 / Oxy Oxbow CC 17-8 Oxy Oxbow CC 17-8 Federal Com
	1	7054.000	18171.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	35H ST01 / Oxy Oxbow CC 17-8 Federal Com 35H ST01 - Federal Com 35H ST01 -

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1625 N. French Dr., Hobbs, NM 88240
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District II
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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

CONDITIONS

Action 284346

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 284346
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Commingling of the laterals shall not occur until bottomhole conditions have reached equilibrium such that crossflow of fluid shall not occur. If the bottomhole conditions change such that crossflow of fluid occurs between laterals, Applicant shall take all necessary steps and actions to segregate the laterals and within forty-eight (48) hours notify the OCD Engineering Bureau. The lateral shall remain segregated until OCD grants approval to commingle it.	11/13/2023