

Well Name: OXBOW CC 17-8 FEDERAL COM	Well Location: T24S / R29E / SEC 17 / SESE / 32.2119356 / -104.001852	County or Parish/State: EDDY / NM
Well Number: 36H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM094651, NMNM94651	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545088	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2753163

Type of Submission: Notice of Intent	Type of Action: Commingling (Subsurface)
Date Sundry Submitted: 09/26/2023	Time Sundry Submitted: 06:51
Date proposed operation will begin: 10/15/2023	

Procedure Description: OXY PROPOSES TO DOWNHOLE COMMINGLE THE RECENTLY DRILLED AND COMPLETED BONE SPRING LATERAL WITH THE EXISTING WOLFCAMP LATERAL. 1. Well Completion Report, Well Completion Report ID WCR2023092989550 HAS BEEN FILED. 2. Subsequent Report- Workover Operations, Sundry ID 2754127 HAS BEEN FILED. THE ATTACHMENTS TO THIS SUNDRY INCLUDE: C-102 WOLFCAMP WITH IMPORTANT POINTS NOTED DIRECTIONAL SURVEY OF WOLFCAMP C-102S FOR BONE SPRING WITH IMPORTANT POINTS NOTED DIRECTIONAL SURVEY DIRECTIONAL PLOT CURRENT WELLBORE PROPOSED WELLBORE PROCEDURE LEASES PRODUCING DHC-5222 Order

NOI Attachments

Procedure Description

- PROPOSED_WELLBORE_10.4.23_20231004125521.pdf
- CURRENT_WELLBORE_10.4.23_20231004125518.pdf
- WORKOVER_PROCEDURE_20231003152504.pdf
- OxbowCC17_8FedCom36H_AsDrilledC102_PierceCrossingBS_20230929114416.pdf
- OxbowCC17_8FedCom36H_AsDrilledC102_CedarCanyonBS_20230929114416.pdf
- Final_PvA___Oxy_Oxbow_CC_17_8_Federal_Com_36H_ST01___Gyro_Corrected_MWD_to_18086ft_20230929114414.pdf
- OxbowCC17_8FedCom36H_AsDrilledC102_PSWC_20230929114416.pdf
- Directional_Plot_Bone_Spring_20230929114408.pdf

Received by OCD: 10/5/2023 2:08:49 PM

Well Name: OXBOW CC 17-8
FEDERAL COM

Well Location: T24S / R29E / SEC 17 / SESE / 32.2119356 / -104.001852

County or Parish/State: EDDY / NM

Well Number: 36H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM094651, NMNM94651

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001545088

Well Status: Producing Oil Well

Operator: OXY USA INCORPORATED

AsDrilledC102_PierceCrossingBSEast_20230929114406.pdf

DHC5222_Order_20230929114406.pdf

Direction_Survey_Wolfcamp_20230929114406.pdf

Direction_Survey_Bone_Spring_20230929114405.pdf

Conditions of Approval

Specialist Review

COA_General_Recompletion_LV_20231004131744.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: OCT 04, 2023 12:55 PM

Name: OXY USA INCORPORATED

Title: Regulatory Engineer

Street Address: 5 Greenway Plaza, Suite 110

City: Houston State: 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: 10/04/2023

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		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 recompletion 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

Additional Remarks

C-102S FOR BONE SPRING WITH IMPORTANT POINTS NOTED

DIRECTIONAL SURVEY

DIRECTIONAL PLOT

CURRENT WELLBORE

PROPOSED WELLBORE

PROCEDURE

LEASES PRODUCING

DHC-5222 Order

Location of Well

0. SHL: SESE / 601 FSL / 1201 FEL / TWSP: 24S / RANGE: 29E / SECTION: 17 / LAT: 32.2119356 / LONG: -104.001852 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 1319 FNL / 498 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.235833 / LONG: -103.999665 (TVD: 9970 feet, MD: 19606 feet)

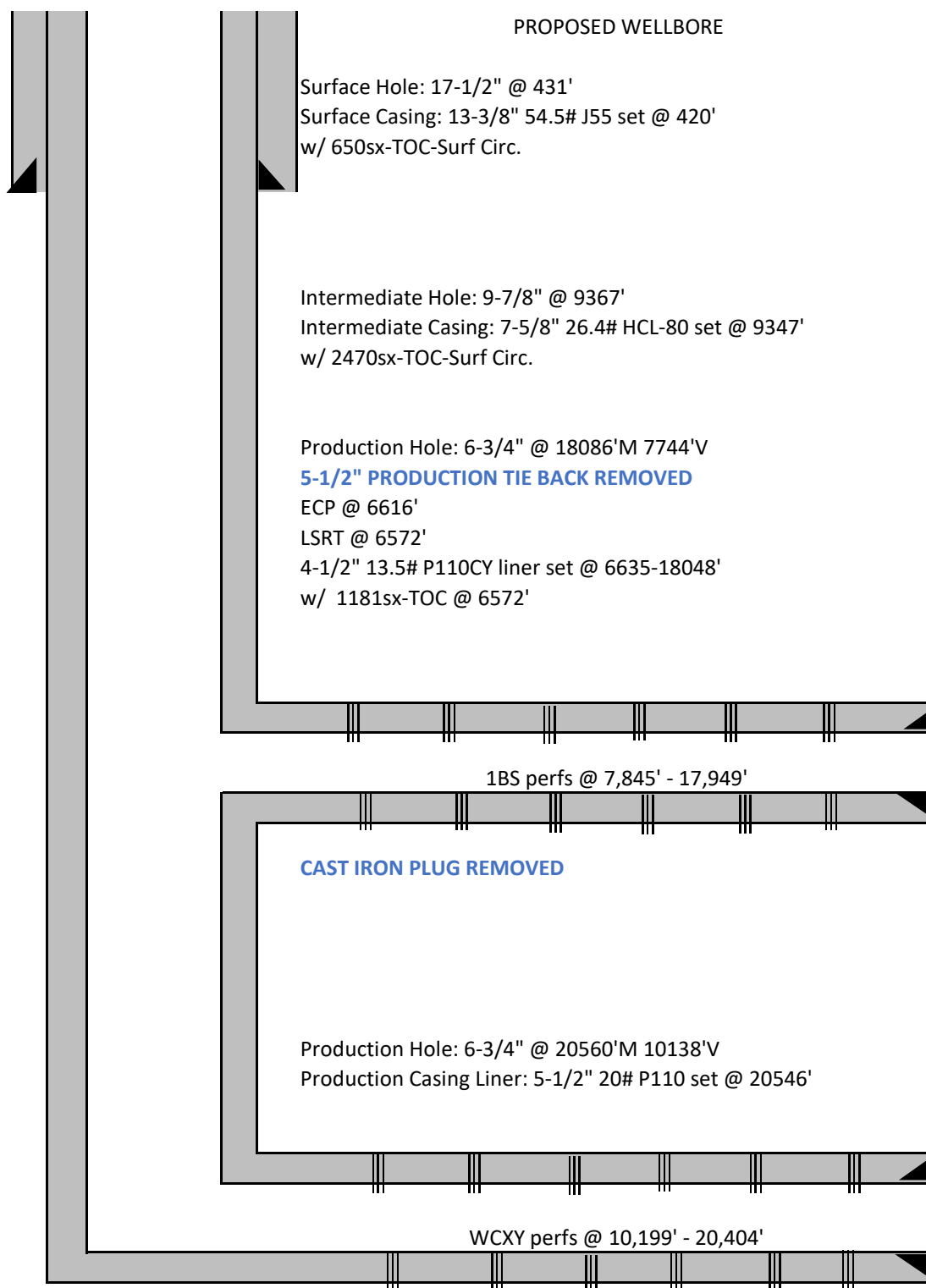
PPP: SENE / 2647 FNL / 496 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.232183 / LONG: -103.999653 (TVD: 9973 feet, MD: 18278 feet)

PPP: SESE / 340 FSL / 500 FEL / TWSP: 24S / RANGE: 29E / SECTION: 17 / LAT: 32.2112019 / LONG: -103.9995808 (TVD: 9980 feet, MD: 10383 feet)

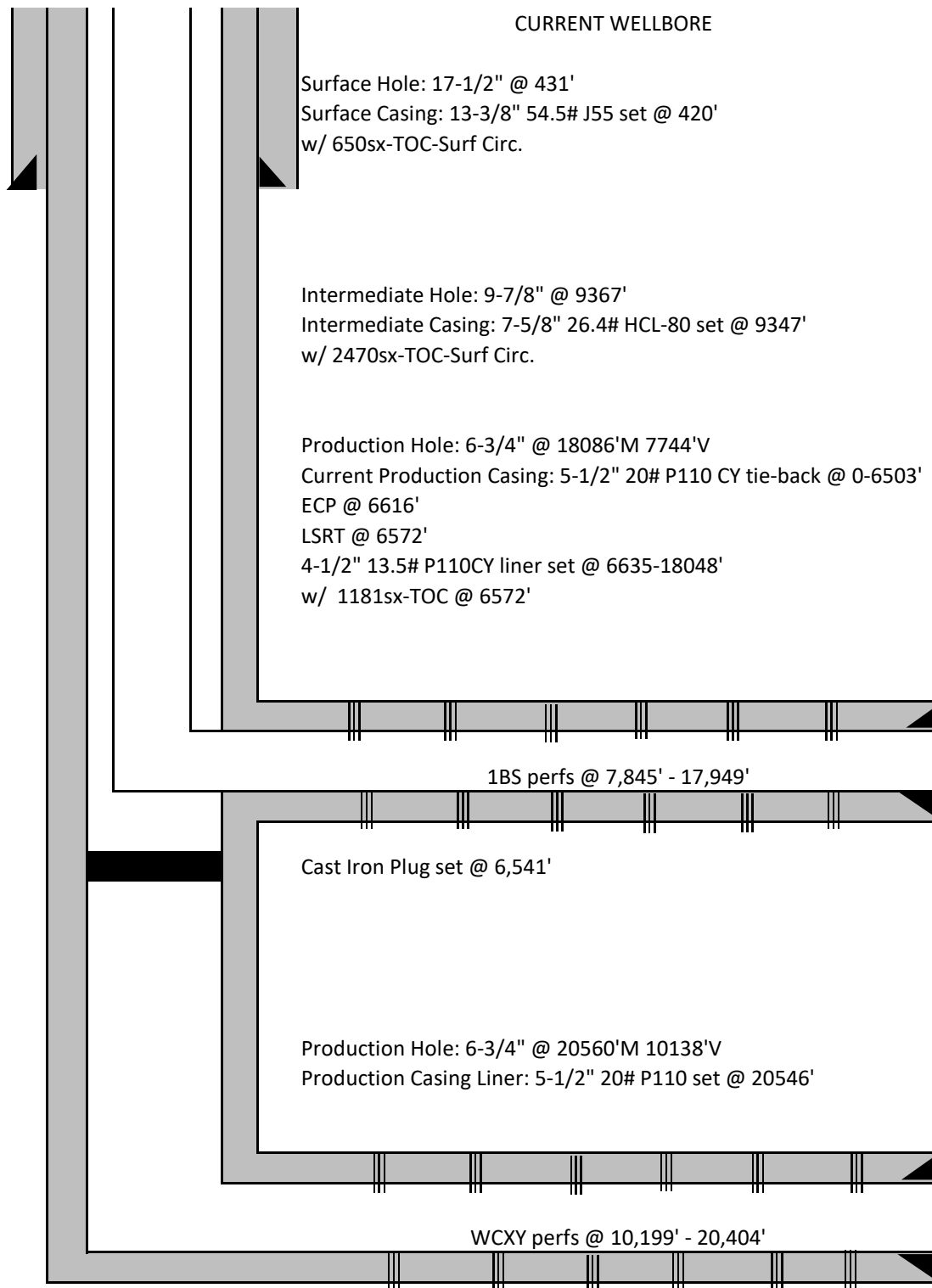
PPP: NESE / 1336 FSL / 498 FEL / TWSP: 24S / RANGE: 29E / SECTION: 17 / LAT: 32.21394 / LONG: -103.99959 (TVD: 9980 feet, MD: 11700 feet)

BHL: NENE / 180 FNL / 500 FEL / TWSP: 24S / RANGE: 29E / SECTION: 8 / LAT: 32.238966 / LONG: -103.9996766 (TVD: 9969 feet, MD: 20201 feet)

OXY USA Inc.
OXBOW CC 17-8 FEDERAL COM 36H
API No. 30-015-45088



OXY USA Inc.
OXBOW CC 17-8 FEDERAL COM 36H
API No. 30-015-45088



OXBOW CC 17-08 FED COM #036H

30-015-45088

DOWNHOLE COMMINGLE WORKOVER PROCEDURE

PROCEDURE

- 1 MIRU & kill well
- 2 POOH with 2-3/8" tubing & AGL equipment
- 3 Pull 5.5" tie-back
- 4 Remove Cast Iron Plug set at 6,541'
- 5 RIH w/ 3.5" tubing & annular gas lift equipment w/ EOT set @ 9,450'
- 6 RTP

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT

¹ API Number 30-015-45088		² Pool Code 50371	³ Pool Name PIERCE CROSSING; BONE SPRING	
⁴ Property Code 321633	⁵ Property Name OXBOW CC 17_8 FEDERAL COM			⁶ Well Number 36H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.			⁹ Elevation 2927'

UL or lot no. P	Section 17	Township 24S	Range 29E	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					602	SOUTH	1202	EAST	EDDY

UL or lot no. A	Section 8	Township 24S	Range 29E	Lot Idn	Feet from the 31	North/South line NORTH	Feet from the 527	East/West line EAST	County EDDY
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

Legend:

- Drill Line Events
- Corners
- Drill Line
- Dimension Lines
- Federal Leases
- HSU

Section 08:

- CEDAR CANYON; BS**
- Sec. 08**
- PIERCE CROSSING; BS EAST**
- Sec. 17**
- PIERCE CROSSING; BS**

Corner Coordinates:

CORNER COORDINATES NAD 83, SPCS NM EAST	CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 644997.51' / Y: 451006.93'	A - X: 603813.80' / Y: 450947.86'
B - X: 645008.87' / Y: 448351.90'	B - X: 603825.09' / Y: 448292.89'
C - X: 645021.30' / Y: 445699.33'	C - X: 603837.46' / Y: 445640.37'
D - X: 645041.96' / Y: 443041.82'	D - X: 603858.05' / Y: 442982.91'
E - X: 645062.61' / Y: 440384.30'	E - X: 603878.64' / Y: 440325.45'
F - X: 642408.42' / Y: 440401.10'	F - X: 601224.48' / Y: 440342.27'
G - X: 642370.62' / Y: 445709.62'	G - X: 601186.81' / Y: 445650.69'
H - X: 642349.75' / Y: 451021.47'	H - X: 601166.07' / Y: 450962.43'

Federal Lease Table:

FEDERAL LEASE ID	LENGTH
NMNM094651	1328.52'
NMNM117120	1327.83'
NMNM102913	1158.55'
TOTAL	3,814.90'

Surveyor 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.

Jana Mendiola 09/28/23
Signature _____ Date _____
JANA MENDIOLA
Printed Name _____
janalyn_mendiola@oxy.com
E-mail Address _____

18 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. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by Delta Field Services
SEPTEMBER 28, 2023
Date of Survey
Signature and Seal of Professional Surveyor

LLOYD P. SHORT 21653
NEW MEXICO
PROFESSIONAL SURVEYOR

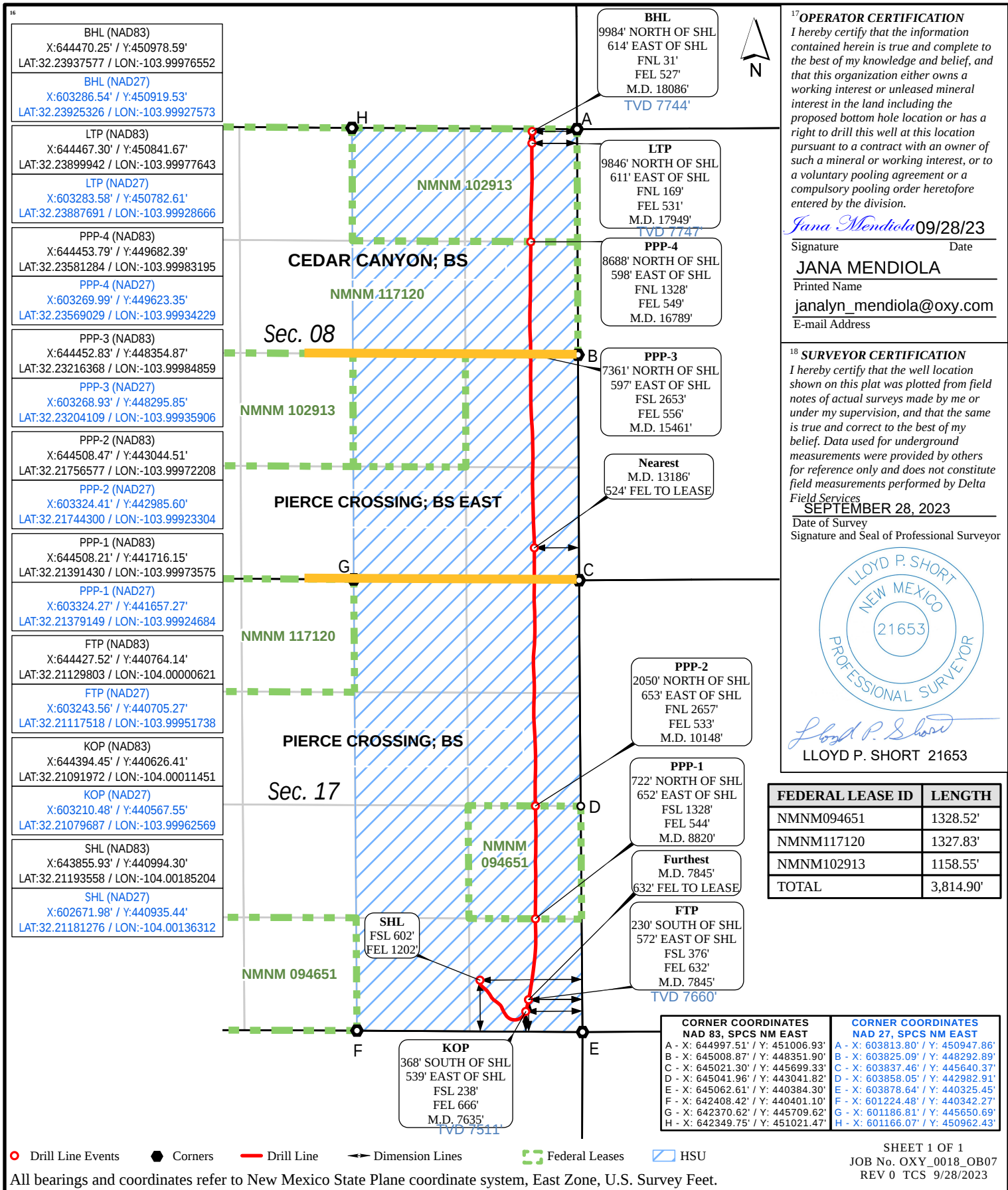
State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

AMENDED REPORT

¹ API Number 30-015-45088		² Pool Code 11520	³ Pool Name CEDAR CANYON; BONE SPRING	
⁴ Property Code 321633	⁵ Property Name OXBOW CC 17_8 FEDERAL COM			⁶ Well Number 36H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.			⁹ Elevation 2927'

UL or lot no. P	Section 17	Township 24S	Range 29E	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					602	SOUTH	1202	EAST	EDDY

UL or lot no. A	Section 8	Township 24S	Range 29E	Lot Idn	Feet from the 31	North/South line NORTH	Feet from the 527	East/West line EAST	County EDDY
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			





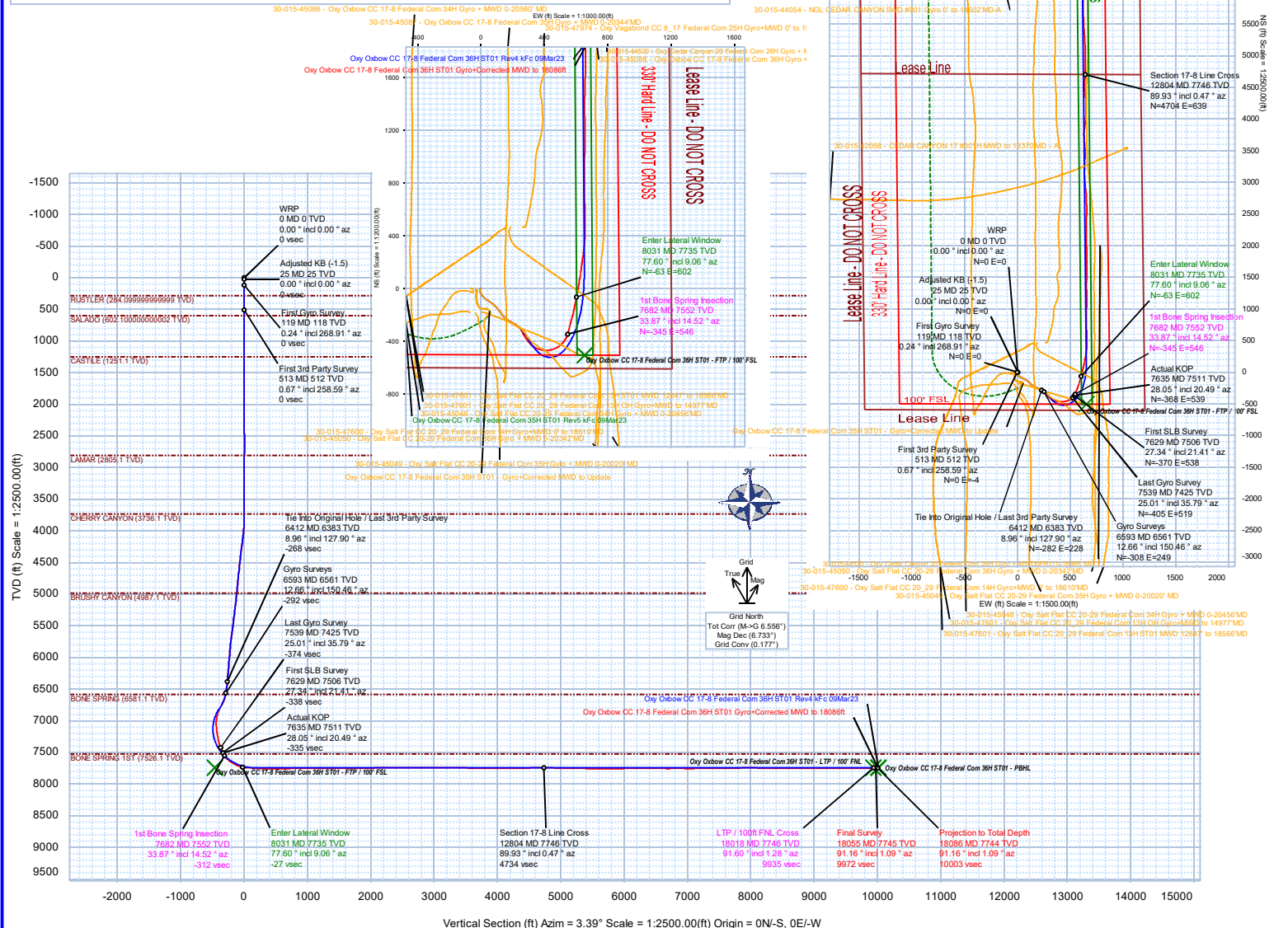
OXY



Borehole:				Well:				Field:				Structure:											
Oxy Oxbow CC 17-8 Federal Com 36H ST01				Oxy Oxbow CC 17-8 Federal Com 36H				NM Eddy County (NAD 83)				Oxy Oxbow CC 17-8 Federal Com 36H											
Gravity & Magnetic Parameters								Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous							
Model:		IFR1		Dip:		59.898°		Date:		21-Mar-2023		Lat:		N 32 12 42.97		Northing:		440994.3HUS		Grid Conv:		0.1767°	
MagDec:		6.733°		FS:		47476.9nT		Gravity FS:		998.469mgn (9.80665 Based)		Lon:		W 104 0 6.67		Easting:		643855.3HUS		Scale Fact:		0.99992113	
																				Slot:		17-8 Federal Com 36H	
																				TVD Ref:		Patterson 882, RKB = 25ft (2952.1ft above MSL)	
																				Plan:		Oxy Oxbow CC 17-8 Federal Com 36H ST01 - Gyro-Corrected MWD to 18086ft	

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	
Adjusted KB (-1.5)	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
First Gyro Survey	118.50	0.24	268.91	118.50	-0.02	0.00	-0.20	0.26
First 3rd Party Survey	512.50	0.67	258.59	512.47	0.22	0.48	-4.41	0.20
Tie Into Original Hole / Last 3rd Party Survey	6411.50	8.96	127.90	6382.69	-267.76	-281.74	228.07	0.02
Gyro Surveys	6593.00	12.66	150.46	6561.01	-292.48	-307.74	249.04	3.06
Last Gyro Survey	7539.00	25.01	35.79	7425.26	-373.82	-405.21	518.84	8.25
First SLB Survey	7629.00	27.34	21.41	7506.11	-338.06	-370.50	537.53	7.49
Actual KOP	7635.00	28.05	20.49	7511.42	-335.40	-367.89	538.52	13.85
1st Bone Spring Insection	7682.45	33.87	14.52	7552.10	-311.74	-344.62	545.75	13.85
Enter Lateral Window	8031.00	77.60	9.06	7734.87	-26.82	-62.51	601.64	15.66
Section 17-8 Line Cross	12804.00	89.93	0.47	7746.09	4733.83	4704.27	638.96	0.26
LTP / 100ft FNL Cross	18018.00	91.60	1.28	7745.61	9935.21	9916.32	612.96	1.30
Final Survey	18055.00	91.16	1.09	7744.72	9972.18	9953.30	613.73	1.30
Projection to Total Depth	18086.00	91.16	1.09	7744.09	10003.15	9984.29	614.32	0.00



Vertical Section (ft) Azim = 3.39° Scale = 1:2500.00(ft) Origin = 0N-S, 0E-W

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45088	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321633	Property Name OXBOW CC "17-8" FEDERAL COM	Well Number 36H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2927.1'

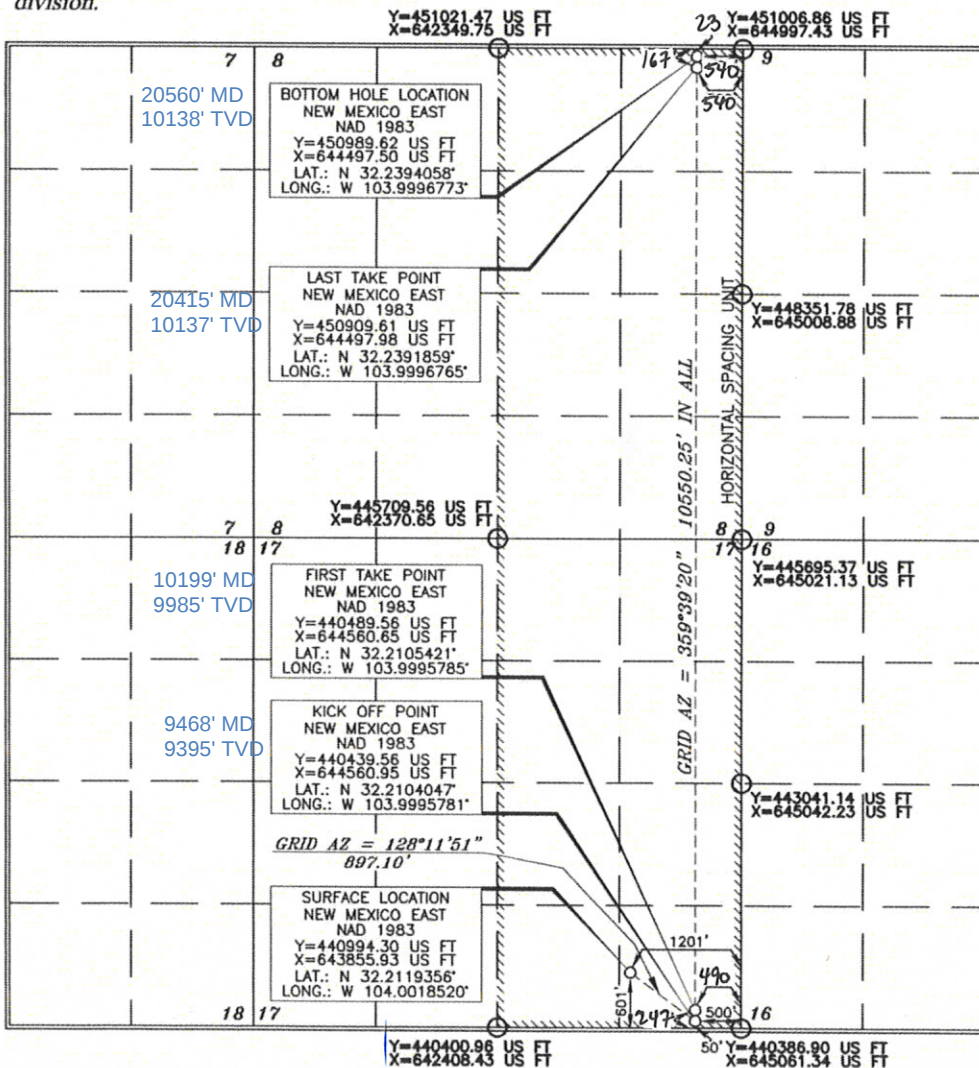
Surface Location

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	1201'	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
A	8	24 SOUTH	29 EAST, N.M.P.M.		28' 23	NORTH	500' 540	EAST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. NSL-7943	FTP - 247 FSL 490 FEL LTP - 167 FNL 540 FEL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: **3/4/20**
Printed Name: **Jana Mendiola**
E-mail Address: **jana@oxy.com**

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.

Signature and Seal: *[Signature]*
Professional Surveyor
Date of Survey: **NOVEMBER 10, 2017**

Certificate Number: **15079**

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



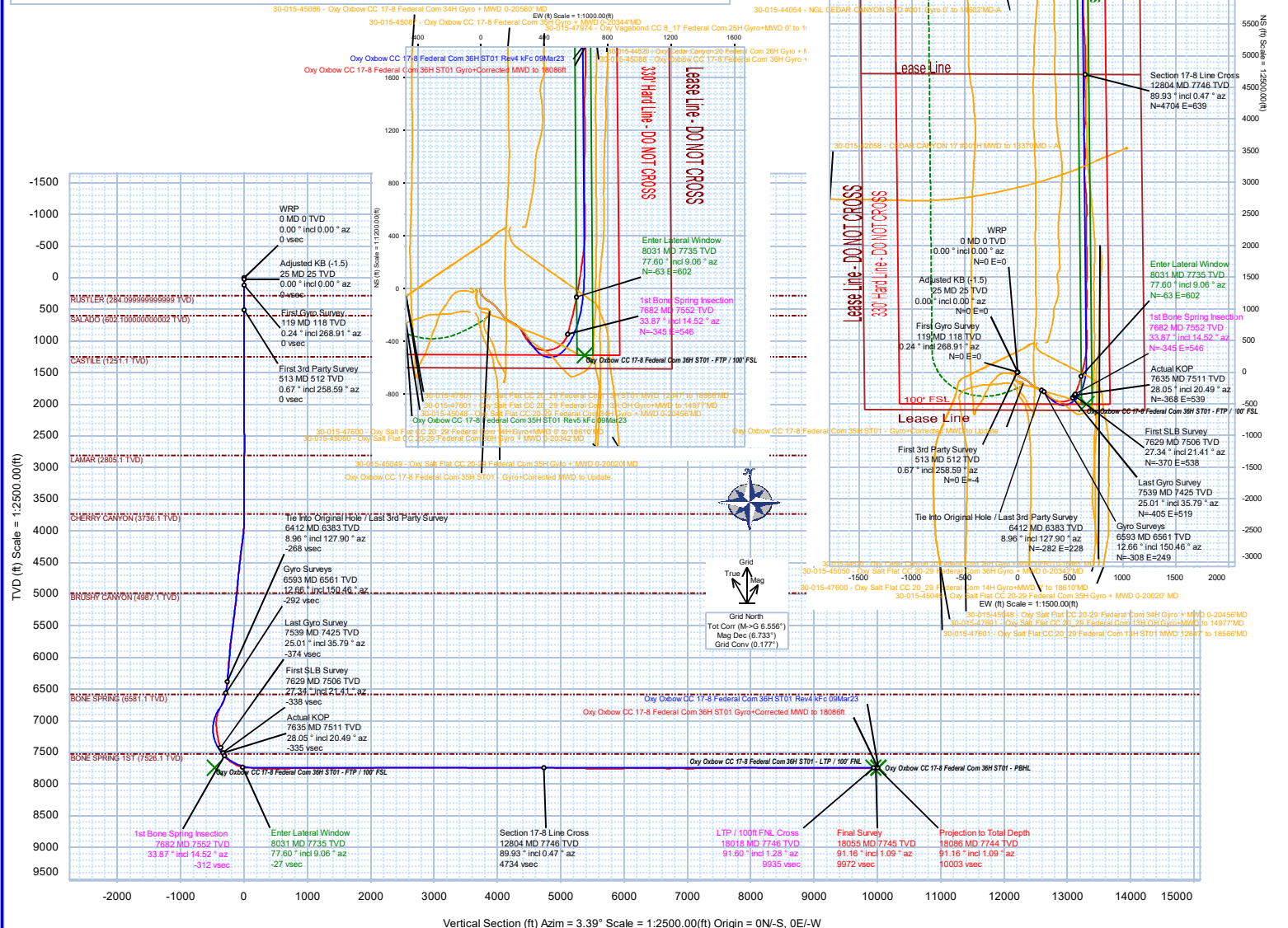
OXY



Borehole:				Well:				Field:				Structure:							
Oxy Oxbow CC 17-8 Federal Com 36H ST01				Oxy Oxbow CC 17-8 Federal Com 36H				NM Eddy County (NAD 83)				Oxy Oxbow CC 17-8 Federal Com 36H							
Gravity & Magnetic Parameters								Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model: IFR1		Dip: 59.898°		Date: 21-Mar-2023		Gravity FS: 998.469mgn (9.80665 Based)		Lat: N 32 12 42.97		Northing: 440994.3HUS		Grid Conv: 0.1767°		Slot: 17-8 Federal Com 36H		TVD Ref: Patterson 882, RKB = 25ft (2952.1ft above MSL)			
MagDec: 6.733°		FS: 47476.9nT						Lon: W 104 0 6.67		Easting: 643855.3HUS		Scale Fact: 0.99992113		Plan: Oxy Oxbow CC 17-8 Federal Com 36H ST01 - Gyro-Corrected MWD to 18086ft					

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	
Adjusted KB (-1.5)	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
First Gyro Survey	118.50	0.24	268.91	118.50	-0.02	0.00	-0.20	0.26
First 3rd Party Survey	512.50	0.67	258.59	512.47	0.22	0.48	-4.41	0.20
Tie Into Original Hole / Last 3rd Party Survey	6411.50	8.96	127.90	6382.69	-267.76	-281.74	228.07	0.02
Gyro Surveys	6593.00	12.66	150.46	6561.01	-292.48	-307.74	249.04	3.06
Last Gyro Survey	7539.00	25.01	35.79	7425.26	-373.82	-405.21	518.84	8.25
First SLB Survey	7629.00	27.34	21.41	7506.11	-338.06	-370.50	537.53	7.49
Actual KOP	7635.00	28.05	20.49	7511.42	-335.40	-367.89	538.52	13.85
1st Bone Spring Insection	7682.45	33.87	14.52	7552.10	-311.74	-344.62	545.75	13.85
Enter Lateral Window	8031.00	77.60	9.06	7734.87	-26.82	-62.51	601.64	15.66
Section 17-8 Line Cross	12804.00	89.93	0.47	7746.09	4733.83	4704.27	638.96	0.26
LTP / 100ft FNL Cross	18018.00	91.60	1.28	7745.61	9935.21	9916.32	612.96	1.30
Final Survey	18055.00	91.16	1.09	7744.72	9972.18	9953.30	613.73	1.30
Projection to Total Depth	18086.00	91.16	1.09	7744.09	10003.15	9984.29	614.32	0.00



Vertical Section (ft) Azim = 3.39° Scale = 1:2500.00(ft) Origin = 0N-S, 0E-W

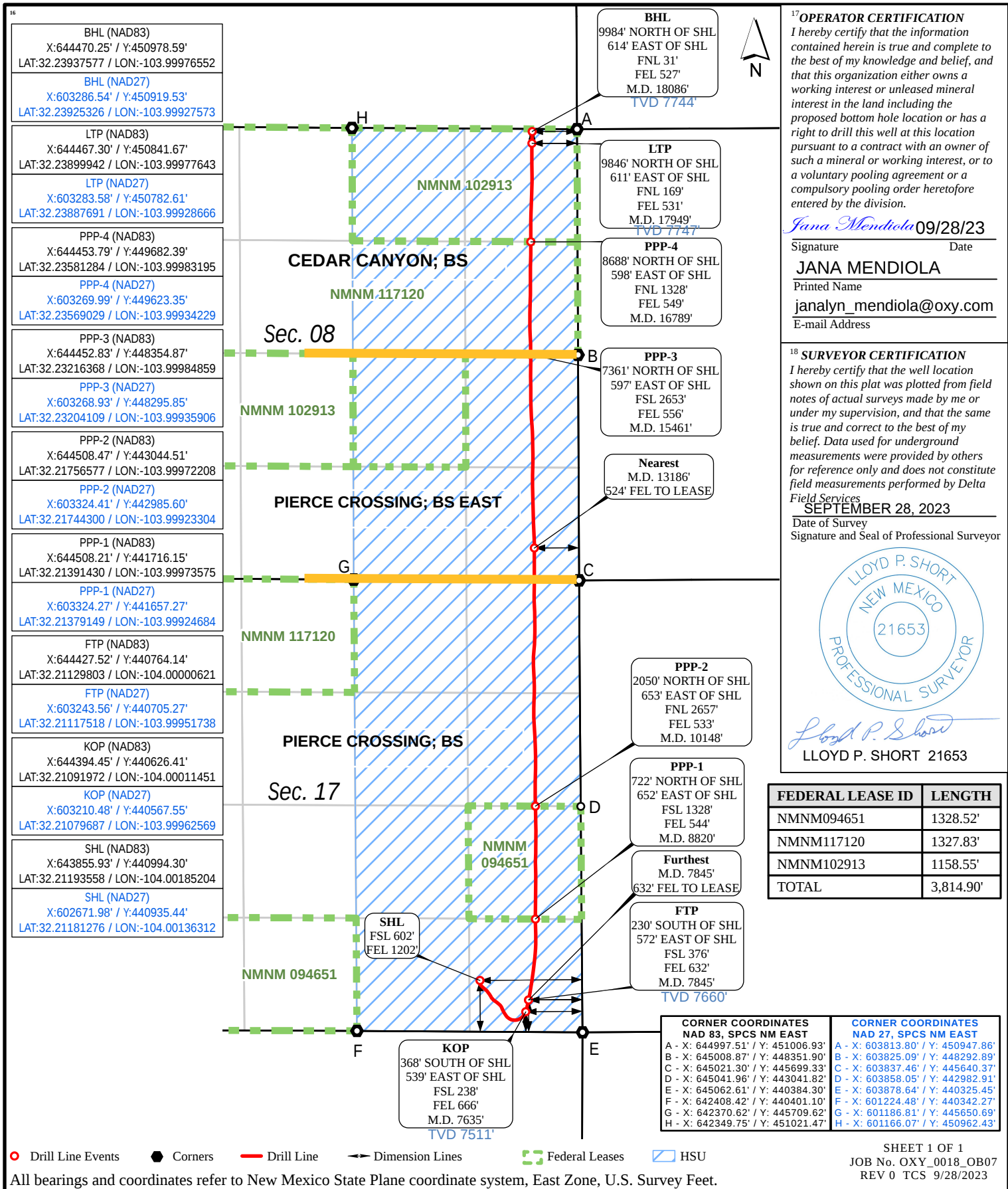
Form C-102 Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

¹ API Number 30-015-45088		² Pool Code 96473	³ Pool Name PIERCE CROSSING; BONE SPRING, EAST	
⁴ Property Code 321633	⁵ Property Name OXBOW CC 17_8 FEDERAL COM			⁶ Well Number 36H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.			⁹ Elevation 2927'

UL or lot no. P	Section 17	Township 24S	Range 29E	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					602	SOUTH	1202	EAST	EDDY

UL or lot no. A	Section 8	Township 24S	Range 29E	Lot Idn	Feet from the 31	North/South line NORTH	Feet from the 527	East/West line EAST	County EDDY
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			



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**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION FOR DOWNHOLE COMMINGLING
SUBMITTED BY OXY USA, INC.**

ORDER NO. DHC-5222

ORDER

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. Oxy USA, Inc. (“Applicant”) submitted a complete application (“Application”) to downhole commingle the pools described in Exhibit A (“the Pools”) within the well bore of the well identified in Exhibit A (“the Well”).
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. The Well has or is proposed to have multiple laterals, and Applicant has proposed a procedure to prevent cross flow between the laterals.
4. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
5. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
6. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that ownership in the Pools is identical as defined by 19.15.12.7(B) NMAC.
7. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools, provided evidence a copy of the Application was given to each person, and those persons either submitted a written waiver or did not file an objection to the Application.
8. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.

CONCLUSIONS OF LAW

9. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
10. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.

11. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.
12. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
13. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools and provided evidence the application was given to those persons in accordance with 19.15.12.11(C)(1)(b) NMAC.
14. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. Each lateral shall remain segregated until all stimulations are completed, the flowback period is concluded, and its bottomhole conditions reach an equilibrium with the bottomhole conditions of the other lateral(s) to be commingled. Prior to commingling the lateral with other lateral(s), Applicant shall submit a notice of intent to commingle the lateral upon Form C-103 to the OCD Engineering Bureau. The Form C-103 shall include Applicant's confirmation that, for the laterals to be commingled, all stimulations have been completed, the flowback period has concluded, and the bottomhole conditions have reached an equilibrium. Upon OCD's request, Applicant shall submit supplemental data sufficient to demonstrate its confirmation.

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.

3. Applicant shall allocate a fixed percentage of the oil and gas production from the Well to each of the Pools as described in Exhibit A.
4. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
5. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the

commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.

6. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
7. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
8. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.
9. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
10. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



DYLAN M. FUGE
DIRECTOR (ACTING)

DATE: 1/20/23

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **DHC-5222**

Operator: **Oxy USA, Inc. (16696)**

Well Name: **Oxbow CC 17 8 Federal Com #36H**

Well API: **30-015-45088**

Pool Name: **PIERCE CROSSING; BONE SPRING**

Lateral 1

Pool ID: **50371**

Current:

New: **X**

Allocation: **Fixed Percent**

Oil: **33.7%**

Gas: **40.7%**

Interval: **Perforations**

Top: **7,736**

Bottom: **13,010**

Pool Name: **PIERCE CROSSING; BONE SPRING, EAST**

Lateral 1

Pool ID: **96473**

Current:

New: **X**

Allocation: **Fixed Percent**

Oil: **16.9%**

Gas: **20.4%**

Interval: **Perforations**

Top: **13,010**

Bottom: **15,650**

Pool Name: **CEDAR CANYON; BONE SPRING**

Lateral 1

Pool ID: **11520**

Current:

New: **X**

Allocation: **Fixed Percent**

Oil: **16.4%**

Gas: **19.8%**

Interval: **Perforations**

Top: **15,650**

Bottom: **18,221**

Pool Name: **PURPLE SAGE; WOLFCAMP (GAS)**

Lateral 2

Pool ID: **98220**

Current: **X**

New:

Allocation: **Fixed Percent**

Oil: **33.0%**

Gas: **19.0%**

Interval: **Perforations**

Top: **10,199**

Bottom: **20,415**



Oxy Oxbow CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD Survey

Geodetic Report

(Def Survey)



Report Date: December 20, 2019 - 03:28 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Oxbow CC 17-8 Federal Com 36H / Oxy Oxbow CC 17-8 Federal Com 36H
Well: Oxy Oxbow CC 17-8 Federal Com 36H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-45088
Survey Name: Oxy Oxbow CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD
Survey Date: October 29, 2019
Tort / AHD / DDI / ERD Ratio: 265.757 ° / 11645.162 ft / 6.798 / 1.149
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 42.96808", W 104° 0' 6.66735"
Location Grid N/E Y/X: N 440994.300 ftUS, E 643855.930 ftUS
CRS Grid Convergence Angle: 0.1767 °
Grid Scale Factor: 0.99992113
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 3.673 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB = 26.5ft
TVD Reference Elevation: 2953.600 ft above MSL
Seabed / Ground Elevation: 2927.100 ft above MSL
Magnetic Declination: 6.883 °
Total Gravity Field Strength: 998.4688mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47846.500 nT
Magnetic Dip Angle: 59.918 °
Declination Date: December 11, 2019
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.1767 °
Total Corr Mag North->Grid North: 6.7063 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440994.30	643855.93	N 32 12 42.97 W 104 0 6.67	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	440994.30	643855.93	N 32 12 42.97 W 104 0 6.67	
	120.00	0.24	268.91	120.00	-0.02	0.00	-0.20	0.26	440994.30	643855.73	N 32 12 42.97 W 104 0 6.67	
	145.00	0.30	266.52	145.00	-0.03	-0.01	-0.31	0.24	440994.29	643855.62	N 32 12 42.97 W 104 0 6.67	
	172.00	0.74	271.21	172.00	-0.05	-0.01	-0.56	1.64	440994.29	643855.37	N 32 12 42.97 W 104 0 6.67	
	199.00	1.02	280.88	199.00	-0.02	0.04	-0.97	1.17	440994.34	643854.96	N 32 12 42.97 W 104 0 6.68	
	228.00	0.82	285.42	227.99	0.05	0.14	-1.42	0.73	440994.44	643854.51	N 32 12 42.97 W 104 0 6.68	
	255.00	0.69	278.58	254.99	0.11	0.22	-1.77	0.59	440994.52	643854.16	N 32 12 42.97 W 104 0 6.69	
	287.00	0.60	282.41	286.99	0.15	0.28	-2.12	0.31	440994.58	643853.81	N 32 12 42.97 W 104 0 6.69	
	318.00	0.52	278.60	317.99	0.18	0.34	-2.42	0.28	440994.64	643853.51	N 32 12 42.97 W 104 0 6.70	
	350.00	0.44	291.39	349.98	0.23	0.41	-2.68	0.42	440994.71	643853.25	N 32 12 42.97 W 104 0 6.70	
Last Gyro	381.00	0.57	283.07	380.98	0.30	0.48	-2.94	0.48	440994.78	643852.99	N 32 12 42.97 W 104 0 6.70	
	407.00	0.63	276.84	406.98	0.32	0.53	-3.21	0.34	440994.83	643852.72	N 32 12 42.97 W 104 0 6.70	
	514.00	0.67	258.59	513.97	0.19	0.48	-4.41	0.20	440994.78	643851.53	N 32 12 42.97 W 104 0 6.72	
	606.00	0.07	340.65	605.97	0.11	0.42	-4.95	0.72	440994.72	643850.98	N 32 12 42.97 W 104 0 6.72	
	699.00	0.09	300.33	698.97	0.19	0.51	-5.03	0.06	440994.81	643850.90	N 32 12 42.97 W 104 0 6.73	
	791.00	0.11	31.36	790.97	0.30	0.63	-5.05	0.16	440994.93	643850.88	N 32 12 42.97 W 104 0 6.73	
	949.00	0.14	323.88	948.97	0.58	0.91	-5.08	0.09	440995.21	643850.85	N 32 12 42.98 W 104 0 6.73	
	1041.00	0.10	43.19	1040.97	0.73	1.06	-5.10	0.17	440995.36	643850.83	N 32 12 42.98 W 104 0 6.73	
	1133.00	0.10	306.90	1132.97	0.84	1.17	-5.10	0.16	440995.47	643850.83	N 32 12 42.98 W 104 0 6.73	
	1225.00	0.12	5.92	1224.97	0.98	1.31	-5.16	0.12	440995.61	643850.77	N 32 12 42.98 W 104 0 6.73	
	1318.00	0.09	303.34	1317.97	1.11	1.45	-5.21	0.12	440995.75	643850.72	N 32 12 42.98 W 104 0 6.73	
	1410.00	0.08	249.55	1409.97	1.12	1.47	-5.33	0.08	440995.77	643850.60	N 32 12 42.98 W 104 0 6.73	
	1502.00	0.09	198.87	1501.97	1.03	1.38	-5.41	0.08	440995.68	643850.52	N 32 12 42.98 W 104 0 6.73	
	1594.00	0.07	355.25	1593.97	1.01	1.36	-5.44	0.17	440995.66	643850.49	N 32 12 42.98 W 104 0 6.73	
	1688.00	0.08	174.14	1687.97	1.00	1.35	-5.44	0.16	440995.65	643850.49	N 32 12 42.98 W 104 0 6.73	
	1783.00	0.11	136.32	1782.97	0.88	1.22	-5.37	0.07	440995.52	643850.56	N 32 12 42.98 W 104 0 6.73	
	1972.00	0.20	96.98	1971.97	0.73	1.05	-4.92	0.07	440995.35	643851.01	N 32 12 42.98 W 104 0 6.72	
	2066.00	0.04	6.51	2065.97	0.76	1.06	-4.75	0.22	440995.36	643851.18	N 32 12 42.98 W 104 0 6.72	
	2160.00	0.19	36.37	2159.97	0.92	1.22	-4.65	0.17	440995.52	643851.28	N 32 12 42.98 W 104 0 6.72	
	2255.00	0.16	265.81	2254.97	1.04	1.34	-4.69	0.33	440995.64	643851.24	N 32 12 42.98 W 104 0 6.72	
	2349.00	0.05	96.97	2348.97	1.02	1.33	-4.78	0.22	440995.62	643851.15	N 32 12 42.98 W 104 0 6.72	
	2444.00	0.23	48.86	2443.97	1.15	1.45	-4.60	0.21	440995.75	643851.33	N 32 12 42.98 W 104 0 6.72	
	2538.00	0.07	135.96	2537.97	1.24	1.53	-4.42	0.25	440995.83	643851.51	N 32 12 42.98 W 104 0 6.72	
	2632.00	0.13	61.88	2631.97	1.26	1.54	-4.28	0.14	440995.84	643851.65	N 32 12 42.98 W 104 0 6.72	
	2821.00	0.16	206.24	2820.97	1.13	1.40	-4.21	0.15	440995.70	643851.72	N 32 12 42.98 W 104 0 6.72	
	2916.00	0.10	217.75	2915.97	0.94	1.22	-4.32	0.07	440995.52	643851.61	N 32 12 42.98 W 104 0 6.72	
	3010.00	0.19	218.63	3009.97	0.74	1.03	-4.47	0.10	440995.33	643851.46	N 32 12 42.98 W 104 0 6.72	
	3105.00	0.12	337.95	3104.97	0.70	1.00	-4.60	0.28	440995.30	643851.33	N 32 12 42.98 W 104 0 6.72	
	3199.00	0.16	63.89	3198.97	0.86	1.15	-4.52	0.21	440995.45	643851.41	N 32 12 42.98 W 104 0 6.72	
	3293.00	0.13	113.60	3292.97	0.89	1.16	-4.31	0.13	440995.46	643851.62	N 32 12 42.98 W 104 0 6.72	
	3387.00	0.17	190.34	3386.97	0.71	0.98	-4.23	0.20	440995.28	643851.70	N 32 12 42.98 W 104 0 6.72	
	3482.00	0.09	172.76	3481.97	0.50	0.77	-4.25	0.09	440995.07	643851.68	N 32 12 42.98 W 104 0 6.72	
	3576.00	0.11	143.86	3575.97	0.36	0.63	-4.19	0.06	440994.92	643851.74	N 32 12 42.97 W 104 0 6.72	
	3671.00	0.13	336.25	3670.97	0.38	0.65	-4.18	0.25	440994.95	643851.75	N 32 12 42.97 W 104 0 6.72	
	3765.00	0.11	21.87	3764.97	0.56	0.83	-4.19	0.10	440995.13	643851.74	N 32 12 42.98 W 104 0 6.72	
	3860.00	2.21	211.48	3859.94	-0.97	-0.65	-5.11	2.44	440993.65	643850.82	N 32 12 42.96 W 104 0 6.73	
	3954.00	4.14	190.85	3953.80	-5.94	-5.53	-6.69	2.35	440988.78	643849.24	N 32 12 42.91 W 104 0 6.75	
	4049.00	5.87	180.00	4048.43	-14.19	-13.75	-7.34	2.07	440980.55	643848.59	N 32 12 42.83 W 104 0 6.75	
	4143.00	7.29	166.11	4141.82	-24.68	-24.35	-5.91	2.26	440969.95	643850.02	N 32 12 42.73 W 104 0 6.74	
	4237.00	8.94	155.93	4234.88	-36.83	-36.81	-1.50	2.32	440957.49	643854.43	N 32 12 42.60 W 104 0 6.69	
	4332.00	9.13	149.20	4328.70	-49.58	-50.02	5.37	1.13	440944.28	643861.30	N 32 12 42.47 W 104 0 6.61	
	4427.00	9.02	140.84	4422.52	-61.25	-62.27	13.94	1.39	440932.03	643869.86	N 32 12 42.35 W 104 0 6.51	
	4522.00	9.35	135.20	4516.30	-71.83	-73.52	24.08	1.01	440920.78	643880.00	N 32 12 42.24 W 104 0 6.39	
	4617.00	9.19	130.72	4610.06	-81.52	-83.95	35.26	0.78	440910.36	643891.19	N 32 12 42.14 W 104 0 6.26	
	4711.00	9.17	128.77	4702.86	-90.34	-93.53	46.79	0.33	440900.77	643902.72	N 32 12 42.04 W 104 0 6.13	
	4806.00	9.13	128.35	4796.65	-98.99	-102.95	58.60	0.08	440891.36	643914.53	N 32 12 41.95 W 104 0 5.99	
	4900.00	9.20	130.99	4889.45	-107.78	-112.51	70.13	0.45	440881.80	643926.05	N 32 12 41.85 W 104 0 5.86	
	4994.00	8.77	135.45	4982.30	-117.11	-122.54	80.83	0.87	440871.77	643936.75	N 32 12 41.75 W 104 0 5.73	
	5089.00	8.90	140.83	5076.17	-127.33	-133.40	90.55	0.88	440860.91	643946.47	N 32 12 41.65 W 104 0 5.62	
	5183.00	8.60	145.67	5169.08	-138.20	-144.84	99.10	0.85	440849.47	643955.03	N 32 12 41.53 W 104 0 5.52	
	5278.00	9.00	146.32	5262.96	-149.70	-156.89	107.23	0.43	440837.42	643963.15	N 32 12 41.41 W 104 0 5.42	
	5372.00	8.71	147.13	5355.84	-161.26	-168.99	115.17	0.34	440825.33	643971.09	N 32 12 41.29 W 104 0 5.33	
	5466.00	8.71	149.04	5448.76	-172.84	-181.07	122.70	0.31	440813.25	643978.62	N 32 12 41.17 W 104 0 5.25	
	5561.00	9.08	149.57	5542.61	-184.96	-193.70	130.19	0.40	440800.61	643986.11	N 32 12 41.05 W 104 0 5.16	
	5655.00	9.02	145.69	5635.44	-196.91	-206.18	138.10	0.65	440788.13	643994.02	N 32 12 40.92 W 104 0 5.07	
	5749.00	9.12	138.89	5728.27	-208.01	-217.88	147.15	1.14	440776.43	644003.07	N 32 12 40.81 W 104 0 4.96	
	5844.00	9.05	132.90	5822.08	-218.08	-228.64	157.58	1.00	440765.68	644013.50	N 32 12 40.70 W 104 0 4.84	
	5938.00	9.03	126.09	5914.92	-226.71	-238.02	168.96	1.14	440756.30	644024.87	N 32 12 40.61 W 104 0 4.71	
	6032.00	9.13	124.55	6007.74	-234.49	-246.60	181.06	0.28	440747.72	644036.97	N 32 12 40.52 W 104 0 4.57	
	6127.00	8.43	125.04	6101.63	-241.98	-254.87	192.97	0.74	440739.45	644048.88	N 32 12 40.44 W 104 0 4.43	
	6221.00	9.03	127.73	6194.54	-249.70	-263.34	204.44	0.77	440730.98	644060.36	N 32 12 40.36 W 104 0 4.30	
	6316.00	8.95	128.01	6288.37	-258.04	-272.45	216.16	0.10	440721.87	644072.08	N 32 12 40.27 W 104 0 4.16	
	6413.00	8.96	127.90	6384.19	-266.55	-281.74	228.07	0.02	440712.59	644083.98	N 32 12 40.17 W 104 0 4.02	
	6508.00	8.87	131.03	6478.04	-275.15	-291.09	238.43	0.52	440703.23	644095.34	N 32 12 40.08 W 104 0 3.89	
	6602.00	8.87	137.65	6570.92	-284.58	-301.20	249.78	1.09	440693.12	644105.69	N 32 12 39.98 W 104 0 3.77	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6885.00	8.87	146.02	6880.32	-318.13	-336.60	277.47	0.70	440657.73	644133.38	N 32 12 39.63	W 104 0 3.45
	6979.00	8.74	151.97	6943.22	-329.94	-348.91	284.88	0.98	440645.42	644140.79	N 32 12 39.51	W 104 0 3.36
	7074.00	9.25	155.25	7037.05	-342.80	-362.21	291.47	0.76	440632.12	644147.37	N 32 12 39.38	W 104 0 3.29
	7168.00	9.06	147.51	7129.85	-355.42	-375.32	298.61	1.32	440619.01	644154.51	N 32 12 39.25	W 104 0 3.21
	7262.00	9.23	144.10	7222.66	-367.21	-387.67	307.00	0.60	440606.66	644162.91	N 32 12 39.12	W 104 0 3.11
	7357.00	9.39	138.45	7316.41	-378.54	-399.64	316.61	0.98	440594.69	644172.51	N 32 12 39.00	W 104 0 3.00
	7451.00	10.02	133.86	7409.07	-389.21	-411.04	327.59	1.06	440583.29	644183.50	N 32 12 38.89	W 104 0 2.87
	7546.00	10.03	129.10	7502.62	-399.34	-421.99	339.97	0.87	440572.35	644195.87	N 32 12 38.78	W 104 0 2.73
	7640.00	9.73	129.27	7595.22	-408.71	-432.18	352.47	0.32	440562.16	644208.38	N 32 12 38.68	W 104 0 2.58
	7734.00	9.59	124.98	7687.89	-417.40	-441.70	365.04	0.78	440552.64	644220.94	N 32 12 38.59	W 104 0 2.43
	7829.00	9.56	123.16	7781.57	-425.40	-450.55	378.13	0.32	440543.79	644234.03	N 32 12 38.50	W 104 0 2.28
	7923.00	9.34	126.50	7874.29	-433.38	-459.35	390.79	0.63	440534.98	644246.69	N 32 12 38.41	W 104 0 2.14
	8017.00	9.51	132.49	7967.03	-442.38	-469.14	402.65	1.06	440525.20	644258.55	N 32 12 38.31	W 104 0 2.00
	8112.00	9.99	132.13	8060.65	-452.42	-479.97	414.55	0.51	440514.37	644270.45	N 32 12 38.21	W 104 0 1.86
	8206.00	10.25	135.01	8153.19	-463.02	-491.35	426.51	0.61	440502.99	644282.40	N 32 12 38.09	W 104 0 1.72
	8300.00	10.00	139.03	8245.73	-474.35	-503.43	437.77	0.80	440490.91	644293.67	N 32 12 37.97	W 104 0 1.59
	8395.00	10.46	144.42	8339.22	-486.90	-516.67	448.20	1.12	440477.67	644304.09	N 32 12 37.84	W 104 0 1.47
	8489.00	10.30	142.74	8431.68	-499.85	-530.30	458.25	0.36	440464.05	644314.14	N 32 12 37.71	W 104 0 1.35
	8584.00	10.23	145.52	8525.16	-512.90	-544.01	468.17	0.53	440450.33	644324.06	N 32 12 37.57	W 104 0 1.24
	8678.00	10.42	145.59	8617.64	-526.16	-557.91	477.70	0.20	440436.44	644333.59	N 32 12 37.43	W 104 0 1.13
	8772.00	10.44	144.50	8710.09	-539.45	-571.85	487.45	0.21	440422.49	644343.34	N 32 12 37.29	W 104 0 1.01
	8866.00	10.17	142.92	8802.57	-552.34	-585.41	497.40	0.42	440408.94	644353.29	N 32 12 37.16	W 104 0 0.90
	8961.00	9.74	141.76	8896.14	-564.67	-598.41	507.43	0.50	440395.94	644363.32	N 32 12 37.03	W 104 0 0.78
	9055.00	10.01	140.21	8988.75	-576.52	-610.93	517.58	0.40	440383.42	644373.47	N 32 12 36.91	W 104 0 0.67
	9149.00	10.04	141.13	9081.31	-588.49	-623.59	527.95	0.17	440370.76	644383.84	N 32 12 36.78	W 104 0 0.55
	9243.00	9.86	139.72	9173.90	-600.32	-636.11	538.29	0.32	440358.24	644394.18	N 32 12 36.66	W 104 0 0.43
	9338.00	9.73	139.07	9267.51	-611.89	-648.38	548.81	0.18	440345.97	644404.70	N 32 12 36.54	W 104 0 0.30
	9468.00	9.08	137.11	9395.77	-626.76	-664.19	562.99	0.56	440330.16	644418.88	N 32 12 36.38	W 104 0 0.14
	9563.00	13.19	75.56	9489.25	-628.56	-666.99	578.64	12.51	440327.36	644434.53	N 32 12 36.35	W 103 59 59.96
	9658.00	25.12	61.91	9578.87	-614.51	-684.75	607.05	13.33	440339.61	644462.93	N 32 12 36.47	W 103 59 59.63
	9752.00	32.49	57.59	9661.19	-589.10	-631.79	646.02	8.14	440362.57	644501.90	N 32 12 36.70	W 103 59 59.17
	9827.00	32.37	36.61	9724.70	-560.30	-604.79	675.09	14.94	440389.56	644530.97	N 32 12 36.96	W 103 59 58.83
	9847.00	32.92	31.16	9741.54	-550.98	-595.84	681.10	14.94	440398.51	644536.97	N 32 12 37.05	W 103 59 58.76
	9941.00	37.83	11.48	9818.42	-499.56	-545.53	700.12	13.14	440448.81	644556.00	N 32 12 37.55	W 103 59 58.54
Wolfcamp Intersection	9991.64	40.78	7.44	9857.60	-467.67	-513.91	705.36	7.71	440480.44	644561.23	N 32 12 37.86	W 103 59 58.48
	10035.00	43.41	4.35	9889.78	-438.63	-485.00	708.32	7.71	440509.34	644564.20	N 32 12 38.15	W 103 59 58.44
	10130.00	53.24	358.98	9952.89	-367.86	-414.20	710.13	11.17	440580.14	644566.00	N 32 12 38.85	W 103 59 58.42
	10224.00	70.09	2.44	9997.36	-285.54	-331.79	711.35	18.21	440662.54	644567.22	N 32 12 39.66	W 103 59 58.40
	10319.00	80.83	4.16	10021.17	-193.72	-166.67	716.67	11.44	440754.20	644572.54	N 32 12 40.57	W 103 59 58.33
	10413.00	85.61	1.56	10032.27	-100.42	-146.93	721.31	5.78	440847.38	644577.18	N 32 12 41.49	W 103 59 58.28
	10508.00	88.57	0.19	10037.09	-5.67	-52.08	722.76	3.43	440942.23	644578.63	N 32 12 42.43	W 103 59 58.26
	10678.00	90.74	0.60	10038.12	164.04	117.91	723.93	1.30	441112.20	644579.80	N 32 12 44.11	W 103 59 58.24
	10771.00	87.13	0.62	10039.84	256.87	210.87	724.92	3.88	441205.15	644580.79	N 32 12 45.03	W 103 59 58.22
	10865.00	87.26	1.25	10044.44	350.65	304.74	726.45	0.68	441299.02	644582.32	N 32 12 45.96	W 103 59 58.20
	10958.00	87.37	0.09	10048.80	443.42	397.63	727.54	1.25	441391.90	644583.41	N 32 12 46.88	W 103 59 58.19
	11052.00	88.23	0.71	10052.41	537.20	491.56	728.19	1.13	441485.82	644584.06	N 32 12 47.81	W 103 59 58.17
	11145.00	88.85	359.87	10054.78	630.01	584.53	728.66	1.12	441578.78	644584.54	N 32 12 48.73	W 103 59 58.17
	11239.00	89.74	358.36	10055.94	723.70	678.51	727.21	1.86	441672.75	644583.08	N 32 12 49.66	W 103 59 58.18
	11332.00	90.05	359.08	10056.11	816.35	771.48	725.13	0.84	441765.72	644581.01	N 32 12 50.58	W 103 59 58.20
	11426.00	89.88	0.66	10056.16	910.14	865.48	724.92	1.69	441859.71	644580.79	N 32 12 51.51	W 103 59 58.20
	11519.00	89.71	0.52	10056.50	1003.00	958.47	725.88	0.24	441952.70	644581.75	N 32 12 52.43	W 103 59 58.18
	11612.00	89.16	358.32	10057.41	1095.74	1051.46	724.94	2.44	442045.67	644580.81	N 32 12 53.35	W 103 59 58.19
	11706.00	89.50	0.31	10058.51	1189.46	1145.44	723.81	2.15	442139.65	644579.69	N 32 12 54.28	W 103 59 58.20
	11799.00	90.12	359.52	10058.82	1282.25	1238.44	723.68	1.08	442232.64	644579.55	N 32 12 55.20	W 103 59 58.20
	11893.00	90.39	359.83	10058.40	1376.02	1332.44	723.14	0.44	442326.63	644579.01	N 32 12 56.13	W 103 59 58.20
	11986.00	90.39	0.20	10057.77	1468.83	1425.43	723.17	0.40	442419.62	644579.04	N 32 12 57.05	W 103 59 58.20
	12081.00	90.22	1.03	10057.26	1563.69	1520.43	724.19	0.89	442514.60	644580.06	N 32 12 57.99	W 103 59 58.18
	12175.00	90.15	1.46	10056.96	1657.61	1614.40	726.23	0.46	442608.57	644582.10	N 32 12 58.92	W 103 59 58.16
	12270.00	89.71	0.82	10057.08	1752.52	1709.38	728.12	0.82	442703.55	644583.99	N 32 12 59.86	W 103 59 58.13
	12365.00	89.47	1.71	10057.76	1847.43	1804.36	730.22	0.97	442798.51	644586.09	N 32 13 0.80	W 103 59 58.10
	12459.00	89.09	359.35	10058.94	1941.27	1898.34	731.09	2.54	442892.49	644586.96	N 32 13 1.73	W 103 59 58.09
	12553.00	88.88	359.48	10060.60	2035.00	1992.32	730.13	0.26	442986.46	644586.00	N 32 13 2.66	W 103 59 58.10
	12648.00	88.88	359.32	10062.46	2129.72	2087.30	729.13	0.17	443081.43	644585.00	N 32 13 3.60	W 103 59 58.11
	12743.00	89.12	356.63	10064.12	2224.22	2182.21	725.78	2.84	443176.34	644581.65	N 32 13 4.54	W 103 59 58.14
	12837.00	89.74	357.69	10065.05	2317.61	2276.09	721.12	1.31	443270.21	644576.99	N 32 13 5.47	W 103 59 58.19
	12932.00	89.02	357.60	10066.08	2412.08	2371.00	717.22	0.76	443365.11	644573.09	N 32 13 6.41	W 103 59 58.23
	13027.00	89.29	356.14	10067.48	2506.40	2465.85	712.03	1.56	443459.95	644567.90	N 32 13 7.35	W 103 59 58.29
	13122.00	90.46	356.95	10067.69	2600.66	2560.67	706.30	1.50	443554.77	644562.18	N 32 13 8.28	W 103 59 58.35
	13217.00	89.09	357.25	10068.06	2695.03	2655.55	701.50	1.48	443649.64	644557.37	N 32 13 9.22	W 103 59 58.41
	13312.00	89.33	357.68	10069.37	2789.47	2750.45	697.30	0.52	443744.53	644553.17	N 32 13 10.16	W 103 59 58.45
	13407.00	89.16	356.78	10070.62	2883.86	2845.33	692.71	0.96	443839.40	644548.58	N 32 13 11.10	W 103 59 58.50
	13502.00	89.16	356.53	10072.02	2978.14	2940.16	687.16	0.26	443934.22	644543.04	N 32 13 12.04	W 103 59 58.56
	13596.00	89.09	355.47	10073.45	3071.28	3033.91	680.61	1.13	444027.97	644536.48	N 32 13 12.97	W 103 59 58.64
	13690.00	89.77	355.78	10074.39	3164.35	3127.64	673.44	0.80	444121.68	644529.31	N 32 13 13.90	W 103 59 58.72
	13785.00	89.53	356.34	10074.97	3258.51	3222.41	666.91	0.64	444216.45	644522.79	N 32 13 14.83	W 103 59 58.79
	13879.00	89.09	358.22	10076.10	3351.92	3316.29	662.45	2.05	444310.3			

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	17005.00	89.77	358.83	10109.53	6470.60	6441.66	658.39	2.27	447435.43	644514.27	N 32 13 46.69	W 103 59 58.77
	17099.00	89.71	359.96	10109.95	6564.34	6535.65	657.40	1.20	447529.42	644513.28	N 32 13 47.62	W 103 59 58.78
	17194.00	90.12	0.40	10110.09	6659.16	6630.65	657.70	0.63	447624.41	644513.57	N 32 13 48.56	W 103 59 58.77
	17289.00	90.02	0.87	10109.98	6754.03	6725.64	658.75	0.51	447719.40	644514.63	N 32 13 49.50	W 103 59 58.76
	17384.00	89.77	1.11	10110.15	6848.92	6820.63	660.39	0.36	447814.37	644516.27	N 32 13 50.44	W 103 59 58.73
	17478.00	89.67	1.01	10110.61	6942.82	6914.61	662.13	0.15	447908.35	644518.01	N 32 13 51.37	W 103 59 58.71
	17573.00	89.50	0.10	10111.30	7037.68	7009.60	663.05	0.97	448003.33	644518.93	N 32 13 52.31	W 103 59 58.70
	17668.00	87.47	358.63	10113.81	7132.37	7104.55	662.00	2.64	448098.28	644517.88	N 32 13 53.25	W 103 59 58.71
	17763.00	90.19	0.74	10115.75	7227.11	7199.52	661.48	3.62	448193.24	644517.35	N 32 13 54.19	W 103 59 58.71
	17858.00	90.74	2.54	10114.98	7322.04	7294.47	664.20	1.98	448288.18	644520.07	N 32 13 55.13	W 103 59 58.67
	17953.00	89.12	359.18	10115.09	7416.91	7389.44	665.62	3.93	448383.15	644521.50	N 32 13 56.07	W 103 59 58.65
	18047.00	89.09	0.09	10116.56	7510.66	7483.43	665.02	0.97	448477.13	644520.90	N 32 13 57.00	W 103 59 58.66
	18142.00	89.50	359.46	10117.73	7605.43	7578.42	664.65	0.79	448572.11	644520.53	N 32 13 57.94	W 103 59 58.66
	18237.00	89.16	359.85	10118.84	7700.19	7673.41	664.08	0.54	448667.09	644519.95	N 32 13 58.88	W 103 59 58.66
	18332.00	89.60	0.04	10119.87	7794.99	7768.41	663.99	0.50	448762.08	644519.86	N 32 13 59.82	W 103 59 58.66
	18426.00	89.43	359.91	10120.67	7888.79	7862.40	663.95	0.23	448856.07	644519.82	N 32 14 0.75	W 103 59 58.66
	18520.00	89.40	359.82	10121.63	7982.57	7956.40	663.72	0.10	448950.06	644519.60	N 32 14 1.68	W 103 59 58.65
	18615.00	90.22	0.91	10121.94	8077.41	8051.39	664.33	1.44	449045.04	644520.21	N 32 14 2.62	W 103 59 58.64
	18709.00	89.05	0.16	10122.54	8171.27	8145.39	665.21	1.48	449139.03	644521.08	N 32 14 3.55	W 103 59 58.63
	18803.00	89.09	359.61	10124.07	8265.05	8239.37	665.02	0.59	449233.01	644520.89	N 32 14 4.48	W 103 59 58.63
	18898.00	91.94	1.80	10123.21	8359.90	8334.35	666.19	3.78	449327.97	644522.06	N 32 14 5.42	W 103 59 58.61
	18993.00	89.23	359.25	10122.24	8454.74	8429.32	667.06	3.92	449422.94	644522.93	N 32 14 6.36	W 103 59 58.60
	19087.00	89.05	359.77	10123.65	8548.48	8523.31	666.25	0.59	449516.92	644522.13	N 32 14 7.29	W 103 59 58.60
	19182.00	89.19	359.56	10125.11	8643.24	8618.29	665.70	0.27	449611.90	644521.57	N 32 14 8.23	W 103 59 58.61
	19277.00	89.36	359.67	10126.31	8737.99	8713.28	665.06	0.21	449706.88	644520.94	N 32 14 9.17	W 103 59 58.61
	19466.00	89.43	359.84	10128.31	8926.54	8902.27	664.25	0.10	449895.85	644520.13	N 32 14 11.04	W 103 59 58.61
	19561.00	89.67	0.14	10129.06	9021.34	8997.27	664.23	0.40	449990.84	644520.11	N 32 14 11.98	W 103 59 58.61
	19656.00	89.16	359.73	10130.03	9116.13	9092.26	664.13	0.69	450085.83	644520.00	N 32 14 12.92	W 103 59 58.61
	19750.00	89.02	359.36	10131.52	9209.88	9186.25	663.38	0.42	450179.80	644519.26	N 32 14 13.85	W 103 59 58.61
	19845.00	89.12	359.15	10133.06	9304.58	9281.23	662.15	0.24	450274.78	644518.02	N 32 14 14.79	W 103 59 58.63
	19939.00	89.16	359.13	10134.47	9398.28	9375.21	660.73	0.05	450368.75	644516.61	N 32 14 15.72	W 103 59 58.64
	20034.00	90.05	359.95	10135.13	9493.03	9470.20	659.97	1.27	450463.73	644515.85	N 32 14 16.66	W 103 59 58.64
	20128.00	89.60	0.43	10135.41	9586.85	9564.20	660.28	0.70	450557.72	644516.16	N 32 14 17.59	W 103 59 58.64
	20223.00	89.71	359.77	10135.99	9681.66	9659.19	660.45	0.70	450652.71	644516.33	N 32 14 18.53	W 103 59 58.63
	20317.00	89.67	0.03	10136.49	9775.46	9753.19	660.29	0.28	450746.70	644516.16	N 32 14 19.46	W 103 59 58.63
	20412.00	89.67	0.41	10137.04	9870.28	9848.19	660.65	0.40	450841.69	644516.53	N 32 14 20.40	W 103 59 58.62
100' FNL Crossed	20473.00	89.65	0.11	10137.40	9931.18	9909.19	660.93	0.49	450902.69	644516.80	N 32 14 21.00	W 103 59 58.62
Final MWD	20518.00	89.64	359.89	10137.68	9976.08	9954.19	660.93	0.49	450947.68	644516.80	N 32 14 21.45	W 103 59 58.61
Proj to TD	20560.00	89.64	359.89	10137.94	10017.99	9996.19	660.85	0.00	450989.68	644516.72	N 32 14 21.86	W 103 59 58.61

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	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD
	1	26.500	26.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD
	1	26.500	407.000	Act Stns	30.000	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 36H Gyro + Original Borehole / Oxy Oxbow
	1	407.000	20560.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD

...Original Borehole/Oxy Oxbow CC 17-8 Federal Com 36H Gyro + MWD 0-20560'MD



**Oxy Oxbow CC 17-8 Federal Com 36H ST01 - Gyro-Corrected MWD to
18086ft Survey Geodetic Report
(Def Survey)**



Report Date:	April 03, 2023 - 11:57 AM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Cient:	OXY	Vertical Section Azimuth:	3.390 ° (Grid North)
Field:	NM Eddy County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Oxbow CC 17-8 Federal Com 36H / Oxy Oxbow CC 17-8 Federal Com 36H	TVD Reference Datum:	Patterson 882, RKB = 25ft
Well:	Oxy Oxbow CC 17-8 Federal Com 36H	TVD Reference Elevation:	2952.100 ft above MSL
Borehole:	Oxy Oxbow CC 17-8 Federal Com 36H ST01	Seabed / Ground Elevation:	2927.100 ft above MSL
UWI / API#:	Unknown / 30-015-45088-0100	Magnetic Declination:	6.733 °
Survey Name:	Oxy Oxbow CC 17-8 Federal Com 36H ST01 - Gyro-Corrected MWD to 18086ft	Total Gravity Field Strength:	998.468mgm (9.80665 Based)
Survey Date:	January 31, 2023	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	338.532 ° / 11203.599 ft / 6.947 / 1.444	Total Magnetic Field Strength:	47476.900 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.898 °
Location Lat / Long:	N 32° 12' 42.96808", W 104° 0' 6.66735"	Declination Date:	March 21, 2023
Location Grid N/E Y/X:	N 440994.300 ftUS, E 643855.930 ftUS	Magnetic Declination Model:	IFR1
CRS Grid Convergence Angle:	0.1767 °	North Reference:	Grid North
Grid Scale Factor:	0.99992113	Grid Convergence Used:	0.1767 °
Version / Patch:	2.10.834.0	Total Corr Mag North->Grid North:	6.5563 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N °)	Longitude (E °)
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	440994.30	643855.93	N 32.211936	W 104.001852
Adjusted KB (-1.5)	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	440994.30	643855.93	N 32.211936	W 104.001852
First Gyro Survey	118.50	0.24	268.91	118.50	-0.02	0.00	-0.20	0.26	0.20	268.91	440994.30	643855.73	N 32.211936	W 104.001853
	143.50	0.30	266.52	143.50	-0.03	-0.01	-0.31	0.24	0.31	268.41	440994.29	643855.62	N 32.211936	W 104.001853
	170.50	0.74	271.21	170.50	-0.04	-0.01	-0.56	1.64	0.56	269.05	440994.29	643855.37	N 32.211936	W 104.001854
	197.50	1.02	280.88	197.50	-0.02	0.04	-0.97	1.17	0.97	272.35	440994.34	643854.96	N 32.211936	W 104.001855
	226.50	0.82	285.42	226.49	0.06	0.14	-1.42	0.73	1.43	275.77	440994.44	643854.51	N 32.211936	W 104.001857
	253.50	0.69	278.58	253.49	0.11	0.22	-1.77	0.59	1.78	277.06	440994.52	643854.16	N 32.211936	W 104.001858
	285.50	0.60	282.41	285.49	0.16	0.28	-2.12	0.31	2.14	277.62	440994.58	643853.81	N 32.211936	W 104.001859
	316.50	0.52	278.60	316.49	0.20	0.34	-2.42	0.28	2.44	277.99	440994.64	643853.51	N 32.211937	W 104.001860
	348.50	0.44	291.39	348.48	0.25	0.41	-2.68	0.42	2.71	278.63	440994.71	643853.25	N 32.211937	W 104.001861
	379.50	0.57	283.07	379.48	0.31	0.48	-2.94	0.48	2.98	279.36	440994.78	643852.99	N 32.211937	W 104.001862
	405.50	0.63	276.84	405.48	0.34	0.53	-3.21	0.34	3.25	279.40	440994.83	643852.72	N 32.211937	W 104.001862
	512.50	0.67	258.59	512.47	0.22	0.48	-4.41	0.20	4.43	276.18	440994.78	643851.53	N 32.211937	W 104.001866
	604.50	0.07	340.65	604.47	0.13	0.42	-4.95	0.72	4.97	274.89	440994.72	643850.98	N 32.211937	W 104.001868
	697.50	0.09	300.33	697.47	0.22	0.51	-5.03	0.06	5.06	275.84	440994.81	643850.90	N 32.211937	W 104.001868
	789.50	0.11	31.36	789.47	0.33	0.63	-5.05	0.16	5.09	277.07	440994.93	643850.88	N 32.211937	W 104.001868
	947.50	0.14	323.88	947.47	0.61	0.91	-5.08	0.09	5.17	280.17	440995.21	643850.85	N 32.211938	W 104.001868
	1039.50	0.10	43.19	1039.47	0.76	1.06	-5.10	0.17	5.20	281.76	440995.36	643850.83	N 32.211939	W 104.001869
	1131.50	0.10	306.90	1131.47	0.86	1.17	-5.10	0.16	5.24	282.89	440995.47	643850.83	N 32.211939	W 104.001869
	1223.50	0.12	5.92	1223.47	1.00	1.31	-5.16	0.12	5.32	284.27	440995.61	643850.77	N 32.211939	W 104.001869
	1316.50	0.09	303.34	1316.47	1.14	1.45	-5.21	0.12	5.41	285.54	440995.75	643850.72	N 32.211940	W 104.001869
	1408.50	0.08	249.55	1408.47	1.15	1.47	-5.33	0.08	5.53	285.38	440995.77	643850.60	N 32.211940	W 104.001869
	1500.50	0.09	198.87	1500.47	1.05	1.38	-5.41	0.08	5.59	284.25	440995.68	643850.52	N 32.211939	W 104.001870
	1592.50	0.07	355.25	1592.47	1.04	1.36	-5.44	0.17	5.61	284.06	440995.66	643850.49	N 32.211939	W 104.001870
	1686.50	0.08	174.14	1686.47	1.03	1.35	-5.44	0.16	5.61	283.99	440995.65	643850.49	N 32.211939	W 104.001870
	1781.50	0.11	136.32	1781.47	0.90	1.22	-5.37	0.07	5.51	282.83	440995.52	643850.56	N 32.211939	W 104.001869
	1970.50	0.20	96.98	1970.47	0.76	1.05	-4.92	0.07	5.03	282.07	440995.35	643851.01	N 32.211939	W 104.001868
	2064.50	0.04	6.51	2064.47	0.78	1.06	-4.75	0.22	4.87	282.63	440995.36	643851.18	N 32.211939	W 104.001867
	2158.50	0.19	36.37	2158.47	0.95	1.22	-4.65	0.17	4.81	284.71	440995.52	643851.28	N 32.211939	W 104.001867
	2253.50	0.16	265.81	2253.47	1.06	1.34	-4.69	0.33	4.88	285.93	440995.64	643851.24	N 32.211939	W 104.001867
	2347.50	0.05	96.97	2347.47	1.04	1.33	-4.78	0.22	4.96	285.48	440995.62	643851.15	N 32.211939	W 104.001867
	2442.50	0.23	48.86	2442.47	1.17	1.45	-4.60	0.21	4.82	287.45	440995.75	643851.33	N 32.211940	W 104.001867
	2536.50	0.07	135.96	2536.47	1.26	1.53	-4.42	0.25	4.67	289.08	440995.83	643851.51	N 32.211940	W 104.001866
	2630.50	0.13	61.88	2630.47	1.28	1.54	-4.28	0.14	4.55	289.74	440995.84	643851.65	N 32.211940	W 104.001866
	2819.50	0.16	206.24	2819.47	1.15	1.40	-4.21	0.15	4.44	288.41	440995.70	643851.72	N 32.211939	W 104.001866
	2914.50	0.10	217.75	2914.47	0.96	1.22	-4.32	0.07	4.49	285.73	440995.52	643851.61	N 32.211939	W 104.001866
	3008.50	0.19	218.63	3008.47	0.76	1.03	-4.47	0.10	4.59	282.99	440995.33	643851.46	N 32.211938	W 104.001866
	3103.50	0.12	337.95	3103.47	0.73	1.00	-4.60	0.28	4.71	282.25	440995.30	643851.33	N 32.211938	W 104.001867
	3197.50	0.16	63.89	3197.47	0.88	1.15	-4.52	0.21	4.67	284.25	440995.45	643851.41	N 32.211939	W 104.001867
	3291.50	0.13	113.60	3291.47	0.91	1.16	-4.31	0.13	4.46	285.12	440995.46	643851.62	N 32.211939	W 104.001866
	3385.50	0.17	190.34	3385.47	0.73	0.98	-4.23	0.20	4.35	283.08	440995.28	643851.70	N 32.211938	W 104.001866
	3480.50	0.09	172.76	3480.47	0.52	0.77	-4.25	0.09	4.32	280.28	440995.07	643851.68	N 32.211938	W 104.001866
	3574.50	0.11	143.86	3574.47	0.38	0.63	-4.19	0.06	4.23	278.49	440994.92	643851.74	N 32.211937	W 104.001866
	3669.50	0.13	336.25	3669.47	0.40	0.65	-4.18	0.25	4.23	278.85	440994.95	643851.75	N 32.211937	W 104.001866
	3763.50	0.11	21.87	3763.47	0.58	0.83	-4.19	0.10	4.27	281.23	440995.13	643851.77	N 32.211938	W 104.001866
	3858.50	2.21	211.48	3858.44	-0.95	-0.65	-5.11	2.44	5.15	262.79	440993.65	643850.82	N 32.211934	W 104.001869
	3952.50	4.14	190.85	3952.30	-5.91	-5.53	-6.69	2.35	6.68	230.47	440988.78	643849.24	N 32.211920	W 104.001874
	4047.50	5.87	180.00	4046.93	-14.16	-13.75	-7.34	2.07	15.59	208.09	440980.55	643848.59	N 32.211898	W 104.001876
	4141.50	7.29	166.11	4140.32	-24.66	-24.35	-5.91	2.26	25.06	193.64	440969.95	643850.02	N 32.211869	W 104.001871
	4235.50	8.94	155.93	4233.38	-36.83	-36.81	-1.50	2.32	36.84	182.33	440957.49	643854.43	N 32.211834	W 104.001857
	4330.50	9.13	149.20	4327.20	-49.32	-49.32	5.37	1.13	50.31	173.87	440944.22	643861.30	N 32.211798	W 104.001835
	4425.50	9.02	140.84	4421.02	-61.34	-62.27	13.94	1.39	63.81	167.39	440932.03	643869.86	N 32.211764	W 104.001808
	4520.50	9.35	135.20	4514.80	-71.97	-73.52	24.08	1.01	77.36	161.87	440920.78	643880.00	N 32.211733	W 104.001775
	4615.50	9.19	130.72	4608.56	-81.72	-83.95	35.26	0.78	91.05	157.21	440910.36	643891.19	N 32.211705	W 104.001739
	4709.50	9.17	128.77	4701.36	-90.60	-93.53	46.79	0.33	104.59	153.42	440900.77	643902.72	N 32.211678	W 104.001702
	4804.50	9.13	128.35	4795.15	-99.31	-102.95	58.60	0.08	118.46	150.35	440891.36	643914.53	N 32.211652	W 104.001664
	4898.50	9.20	130.99	4887.95	-108.61	-112.51	70.13	0.45	132.57	148.06	440881.86	643926.05	N 32.211626	W 104.001628
	4992.50	8.77	135.45	4980.80	-117.55	-122.54	80.83	0.87	146.89	140.87	440871.77	643936.75	N 32.211598	W 104.001592
	5087.50	8.90	140.83	5074.67	-127.81	-133.40	90.55	0.88	161.23	145.83	440860.91	643946.47	N 32.211568	W 104.001561
	5181.50	8.60	145.67	5167.58	-138.73	-144.84	99.10	0.85	175.50	145.62	440849.47	643955.03	N 32.211537	W 104.001533
	5276.50	9.00	146.32	5261.46	-150.28	-156.89	107.23	0.43	190.04	145.65	440837.42	643963.15	N 32.211503	W 104.001507
	5370.50	8.71	147.13	5354.34	-161.88	-168.99	115.17	0.34	204.50	145.72	440825.33	643971.09	N 32.211477	W 104.001481
	5464.50	8.71	149.04	5447.26	-173.50	-181.07	122.70	0.31	218.72	145.88	440813.25	643978.62	N 32.211437	W 104.001457
	5559.50	9.08	149.57	5541.11	-185.66	-193.70	130.19	0.40	233.39	146.09	440800.61	643986.11	N 32.211402	W 104.001433
	5653.50	9.02	145.69	5633.94	-197.66	-206.18	138.10	0.65	248.16	146.19	440788.13	643994.02	N 32.211368	W 104.001408
	5747.50	9.12	138.89	5726.77	-208.80	-217.88	150.15	1.14	262.82	145.87	440776.97	644001.37	N 32.211335	W 104.001383
	5842.50	9.05	132.90	5820.58	-218.82	-227.95	157.58	1.00	277.68	145.63	440766.88	644013.50	N 32.211306	W 104.001347
	5936.50	9.03	126.09	5913.42	-2272									

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N S °)	Longitude (E W °)
Section 17-8 Line Cross	8711.00	89.82	358.29	7755.32	850.84	613.20	654.66	1.14	897.00	46.87	441607.45	644510.54	N 32.213615	W 103.999729
	8805.00	91.00	359.07	7754.65	744.52	707.17	652.50	1.50	962.21	42.70	441701.42	644508.37	N 32.213874	W 103.999735
	8900.00	90.23	0.22	7753.63	839.31	802.16	651.91	1.46	1033.66	39.10	441796.40	644507.79	N 32.214135	W 103.999736
	8994.00	90.46	0.47	7753.06	933.17	896.16	652.48	0.36	1108.52	36.06	441890.39	644508.35	N 32.214393	W 103.999734
	9089.00	90.37	0.49	7752.37	1028.05	991.15	653.27	0.10	1187.08	33.39	441985.37	644509.15	N 32.214654	W 103.999730
	9184.00	90.23	0.60	7751.88	1122.93	1086.15	654.17	0.19	1267.94	31.06	442080.36	644510.05	N 32.214915	W 103.999726
	9278.00	90.48	0.84	7751.29	1216.83	1180.14	655.36	0.37	1349.00	29.04	442174.34	644511.23	N 32.215174	W 103.999721
	9373.00	89.93	358.06	7750.95	1311.59	1275.12	654.44	2.98	1433.26	27.17	442269.32	644510.32	N 32.215435	W 103.999723
	9468.00	90.97	359.64	7750.21	1406.29	1370.10	652.54	1.99	1517.55	25.47	442364.29	644508.41	N 32.215696	W 103.999729
	9562.00	90.02	2.28	7749.40	1500.19	1464.07	654.11	2.98	1603.55	24.07	442458.25	644509.99	N 32.215954	W 103.999723
	9657.00	90.38	0.58	7749.06	1595.13	1559.04	656.48	1.83	1691.62	22.84	442553.21	644512.36	N 32.216215	W 103.999714
	9751.00	90.46	0.24	7748.37	1689.00	1653.03	657.16	0.37	1778.87	21.68	442647.20	644513.03	N 32.216474	W 103.999711
	9846.00	90.91	0.22	7747.24	1783.85	1748.02	657.54	0.47	1867.60	20.61	442742.18	644513.41	N 32.216735	W 103.999709
	9941.00	89.33	359.00	7747.04	1878.64	1843.02	656.89	2.10	1956.58	19.62	442837.17	644512.77	N 32.216996	W 103.999710
	10036.00	90.55	358.41	7747.14	1973.32	1937.99	654.74	1.43	2045.60	18.67	442932.13	644510.62	N 32.217257	W 103.999716
	10130.00	90.28	359.22	7746.46	2067.01	2031.97	652.80	0.91	2134.25	17.81	443026.10	644508.68	N 32.217515	W 103.999721
	10225.00	90.49	358.64	7745.82	2161.72	2126.95	651.03	0.65	2224.35	17.02	443121.08	644506.90	N 32.217776	W 103.999726
	10320.00	90.43	360.00	7745.06	2256.48	2221.94	649.90	1.43	2315.03	16.30	443216.06	644505.78	N 32.218037	W 103.999729
	10415.00	90.15	0.53	7744.58	2351.34	2316.93	650.34	0.63	2406.47	15.68	443311.05	644506.21	N 32.218298	W 103.999726
	10509.00	90.01	1.64	7743.84	2445.25	2410.91	649.55	1.34	2497.55	15.14	443405.02	644507.99	N 32.218557	W 103.999720
	10604.00	90.63	0.32	7742.69	2540.16	2505.89	653.74	1.40	2589.76	14.62	443499.99	644509.62	N 32.218818	W 103.999713
	10699.00	89.74	359.74	7742.39	2635.00	2600.89	653.79	1.12	2681.80	14.11	443594.98	644509.67	N 32.219079	W 103.999712
	10794.00	90.10	359.12	7742.52	2729.77	2695.88	652.85	0.75	2773.80	13.61	443689.96	644508.72	N 32.219340	W 103.999714
	10888.00	89.66	357.29	7742.72	2823.38	2789.83	649.90	2.00	2864.53	13.11	443783.91	644505.78	N 32.219598	W 103.999723
	10983.00	90.07	356.55	7742.94	2917.77	2884.69	648.00	0.89	2955.88	12.60	443878.76	644500.68	N 32.219859	W 103.999738
	11078.00	90.91	356.05	7742.87	3012.65	2979.69	638.67	0.53	3047.18	12.10	443973.55	644494.55	N 32.220120	W 103.999757
	11173.00	89.77	358.37	7743.06	3106.49	3074.38	634.04	2.46	3139.08	11.65	444068.43	644489.92	N 32.220381	W 103.999771
	11268.00	89.47	0.67	7743.69	3201.26	3169.36	633.25	2.44	3232.01	11.30	444163.41	644489.13	N 32.220642	W 103.999773
	11362.00	89.57	1.53	7744.47	3295.18	3263.34	635.05	0.92	3324.56	11.01	444257.38	644490.93	N 32.220900	W 103.999766
	11457.00	89.52	2.22	7745.23	3390.15	3358.29	638.16	0.73	3418.38	10.76	444352.32	644494.04	N 32.221161	W 103.999755
	11552.00	89.36	359.67	7746.16	3485.05	3453.26	639.73	2.69	3512.02	10.50	444447.28	644495.61	N 32.221422	W 103.999749
	11646.00	88.86	357.53	7747.62	3578.70	3547.22	637.43	2.34	3604.03	10.19	444541.23	644493.31	N 32.221680	W 103.999756
	11741.00	90.08	356.93	7748.50	3672.10	3642.10	632.84	1.43	3696.67	9.86	444636.11	644488.72	N 32.221941	W 103.999769
	11835.00	88.89	357.80	7749.34	3766.62	3735.99	628.52	1.57	3788.49	9.55	444729.99	644484.40	N 32.222199	W 103.999783
	11930.00	91.40	5.62	7749.10	3861.50	3830.87	631.35	8.64	3882.55	9.36	444824.86	644487.23	N 32.222460	W 103.999772
	12025.00	90.13	3.51	7747.83	3956.46	3925.55	638.91	2.59	3977.21	9.24	444919.54	644494.79	N 32.222720	W 103.999747
	12119.00	89.81	1.76	7747.88	4050.45	4019.45	643.23	1.89	4070.59	9.09	445013.42	644499.11	N 32.222978	W 103.999732
	12214.00	89.71	359.97	7748.28	4145.36	4114.43	644.67	1.89	4164.63	8.90	445108.40	644500.54	N 32.223239	W 103.999726
	12309.00	89.95	359.27	7748.56	4240.15	4209.43	644.04	0.78	4259.41	8.70	445203.39	644499.91	N 32.223500	W 103.999729
	12404.00	91.35	0.02	7747.48	4334.94	4304.42	643.45	1.67	4352.25	8.50	445298.37	644499.33	N 32.223761	W 103.999729
	12498.00	89.58	357.01	7746.72	4428.58	4398.37	641.01	3.71	4444.84	8.29	445392.32	644496.89	N 32.224020	W 103.999735
	12593.00	90.79	358.65	7746.41	4523.13	4493.30	637.41	2.15	4538.28	8.07	445487.23	644493.29	N 32.224281	W 103.999746
	12688.00	89.84	1.30	7745.89	4617.95	4588.29	637.37	2.96	4632.34	7.91	445582.22	644493.25	N 32.224542	W 103.999745
	12783.00	89.95	0.42	7746.07	4712.85	4683.27	638.80	0.93	4726.64	7.77	445677.20	644494.68	N 32.224803	W 103.999740
	12878.00	89.94	0.47	7746.09	4732.83	4704.27	638.96	0.26	4747.47	7.73	445688.19	644494.84	N 32.225061	W 103.999738
	12973.00	89.87	0.65	7746.21	4807.74	4778.27	639.69	0.26	4820.90	7.63	445772.18	644495.56	N 32.225304	W 103.999736
	12972.00	89.60	359.39	7746.65	4901.57	4872.27	639.72	1.37	4914.08	7.48	445866.17	644495.60	N 32.225532	W 103.999735
	13067.00	89.11	0.52	7747.72	4996.39	4967.26	639.64	1.30	5008.27	7.34	445961.16	644495.52	N 32.225783	W 103.999734
	13162.00	88.87	359.68	7749.39	5091.22	5062.24	639.81	0.92	5102.52	7.20	446056.13	644495.69	N 32.225944	W 103.999733
	13256.00	88.84	358.73	7751.27	5184.95	5156.21	638.51	1.01	5195.60	7.06	446150.10	644494.38	N 32.226103	W 103.999736
	13351.00	89.02	357.61	7753.05	5279.15	5251.15	635.47	1.15	5285.46	6.90	446245.02	644491.35	N 32.226261	W 103.999745
	13446.00	89.18	357.58	7754.54	5374.04	5346.05	631.49	0.17	5383.22	6.74	446339.92	644487.37	N 32.226525	W 103.999757
	13541.00	89.87	358.38	7755.33	5468.61	5440.99	628.14	1.11	5477.13	6.59	446434.85	644484.02	N 32.226786	W 103.999767
	13635.00	89.51	358.33	7755.83	5562.25	5534.95	625.44	0.39	5570.17	6.45	446528.80	644481.32	N 32.227144	W 103.999774
	13730.00	90.56	358.69	7755.78	5656.90	5629.92	622.97	1.17	5664.28	6.31	446623.76	644478.85	N 32.227405	W 103.999781
	13824.00	89.34	358.73	7755.86	5750.59	5723.89	620.85	1.30	5757.46	6.19	446717.73	644476.73	N 32.227663	W 103.999787
	13919.00	90.34	359.14	7756.12	5845.30	5818.87	619.09	1.14	5851.75	6.07	446812.70	644474.87	N 32.227924	W 103.999792
	14014.00	90.52	0.21	7756.41	5940.09	5913.87	618.05	1.14	5946.13	5.97	446907.69	644474.53	N 32.228185	W 103.999793
	14108.00	90.81	1.82	7754.32	6034.00	6007.84	620.21	1.74	6039.77	5.89	447001.66	644476.09	N 32.228444	W 103.999787
	14203.00	90.00	1.33	7753.65	6128.95	6102.80	622.83	1.00	6134.50	5.83	447096.61	644478.70	N 32.228705	W 103.999777
	14298.00	90.18	358.95	7753.50	6223.79	6197.79	623.06	2.51	6229.03	5.74	447191.59	644478.94	N 32.228966	W 103.999775

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

Conditions of Approval for Recompletion

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Recompletion operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Recomplete.

If you are unable to Recomplete the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be Recompleted. Failure to do so will result in enforcement action.

The rig used for the Recomplete procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any Recomplete operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging 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 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Subsequent Recomplete Reporting: Within 30 days after Recomplete work is completed, file a Subsequent Report of Recompletion, Form 3160-5 or via the AFMSS 2 WISx Module to BLM. The report should give in detail the manner in which the recompletion was carried out. **Show date well was recompleted.** After recompleting submit a Completion Report (Form 3160-4) to the LVO@BLM.GOV with the Subsequent Report.

Include the following information:

- a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
 - b. A description of the recompletion procedure.
 - c. A clear copy of the original of the pressure test chart.
 - d. A copy of any logs ran.
 - e. An updated C-102s plat surveys.
 - f. Add the Wolfcamp formation to the S2 completion.
 - g. Proposal to commingle sundry reference within the SR description.
5. First Production Notification: Within 5 business days after the well begins production submit a first production notification to the BLM.
 6. 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.
 7. 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.

From: [Janacek, Stephen C](#)
To: [McClure, Dean, EMNRD](#); [Vo, Long T](#)
Cc: [Harnish, Adamn](#); [Mendiola, Jana Lyn A](#)
Subject: [EXTERNAL] RE: RE: Oxbow 36H SL2 Downhole Commingle Sundry
Date: Wednesday, October 18, 2023 10:04:32 AM
Attachments: [image001.png](#)
[FINAL WELLBORE AFTER CSG REPAIR 10.13.2023.pdf](#)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dean- Oxy USA Inc. has completed all stimulation work and flowback. The bottomhole conditions have reached equilibrium, so we plan to rig up and downhole commingle the wellbores. Additionally, the casing leak at 8450' was corrected on 3/2/2023 while the well was being prepped for drilling the new SL2 lateral. We extended the production liner top and set a new permanent packer above the casing leak depth.

Long- A casing repair SR was file today with the BLM (sundry ID 2756934). Please review at your earliest convenience.

Please let me know if you need any other information or deliverables!

Regards,

Stephen Janacek

REGULATORY ENGINEER, NEW MEXICO REGULATORY

Office: 972.404.3722 | Mobile: 713.493.1986 | Dallas

Zero In™ at oxy.com

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Friday, October 6, 2023 10:13 AM
To: Janacek, Stephen C <Stephen_Janacek@oxy.com>; Vo, Long T <lvo@blm.gov>
Cc: Harnish, Adamn <Adamn_Harnish@oxy.com>; Mendiola, Jana Lyn A <Janalyn_Mendiola@oxy.com>
Subject: RE: [EXTERNAL] RE: Oxbow 36H SL2 Downhole Commingle Sundry

Stephen,

Please provide confirmation of the following:

- All stimulations have been completed
- The flowback period has concluded
- The bottomhole conditions have reached an equilibrium.

Additionally, there is a NOI sundry submitted to the Division back in February regarding a leak in the casing at 8450; has this been corrected? If so, please submit the appropriate SRs.

2. Each lateral shall remain segregated until all stimulations are completed, the flowback period is concluded, and its bottomhole conditions reach an equilibrium with the bottomhole conditions of the other lateral(s) to be commingled. Prior to commingling the lateral with other lateral(s), Applicant shall submit a notice of intent to commingle the lateral upon Form C-103 to the OCD Engineering Bureau. The Form C-103 shall include Applicant's confirmation that, for the laterals to be commingled, all stimulations have been completed, the flowback period has concluded, and the bottomhole conditions have reached an equilibrium. Upon OCD's request, Applicant shall submit supplemental data sufficient to demonstrate its confirmation.

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.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Janacek, Stephen C <Stephen_Janacek@oxy.com>
Sent: Thursday, October 5, 2023 2:14 PM
To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>; Vo, Long T <lvo@blm.gov>
Cc: Harnish, Adamn <Adamn_Harnish@oxy.com>; Mendiola, Jana Lyn A <Janalyn_Mendiola@oxy.com>
Subject: [EXTERNAL] RE: Oxbow 36H SL2 Downhole Commingle Sundry

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dean,

The Downhole Commingle Workover has been submitted as a [C-103] NOI Workover (C-103G) with AID# 273003 to the NMOCD.

Also, the BLM approved completion report is attached for the new First Bone Spring lateral. Please let us know if you need this filed as well.

Regards,

Stephen Janacek
REGULATORY ENGINEER, NEW MEXICO REGULATORY
Office: 972.404.3722 | Mobile: 713.493.1986 | Dallas
Zero In™ at oxy.com

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Friday, September 15, 2023 3:39 PM
To: Janacek, Stephen C <Stephen_Janacek@oxy.com>; Vo, Long T <lvo@blm.gov>

Cc: Harnish, Adamn <Adamn_Harnish@oxy.com>

Subject: RE: [EXTERNAL] Oxbow 36H SL2 Downhole Commingle Sundry

Stephen,

I think the most appropriate would be to submit it as a [C-103] NOI Workover (C-103G). Email me with the action ID once submitted for faster review.

Dean McClure

Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

(505) 469-8211

From: Janacek, Stephen C <Stephen_Janacek@oxy.com>

Sent: Friday, September 15, 2023 1:40 PM

To: Vo, Long T <lvo@blm.gov>; McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>

Cc: Harnish, Adamn <Adamn_Harnish@oxy.com>

Subject: [EXTERNAL] Oxbow 36H SL2 Downhole Commingle Sundry

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Long and Dean,

We plan to downhole commingle the laterals of the Oxbow CC 17-8 Federal Com #306H (30-015-45088) in about a month.

Question for Long- What type of NOI sundry should I file for this work? I ask because the OCD order requires a NOI sundry be filed before the work is complete. We will use a workover rig to complete the work.

Question for Dean- What type of NOI sundry should I file for this work with the NMOCD?

Regards,

Stephen Janacek

REGULATORY ENGINEER, NEW MEXICO REGULATORY

Office: 972.404.3722 | Mobile: 713.493.1986 | Dallas

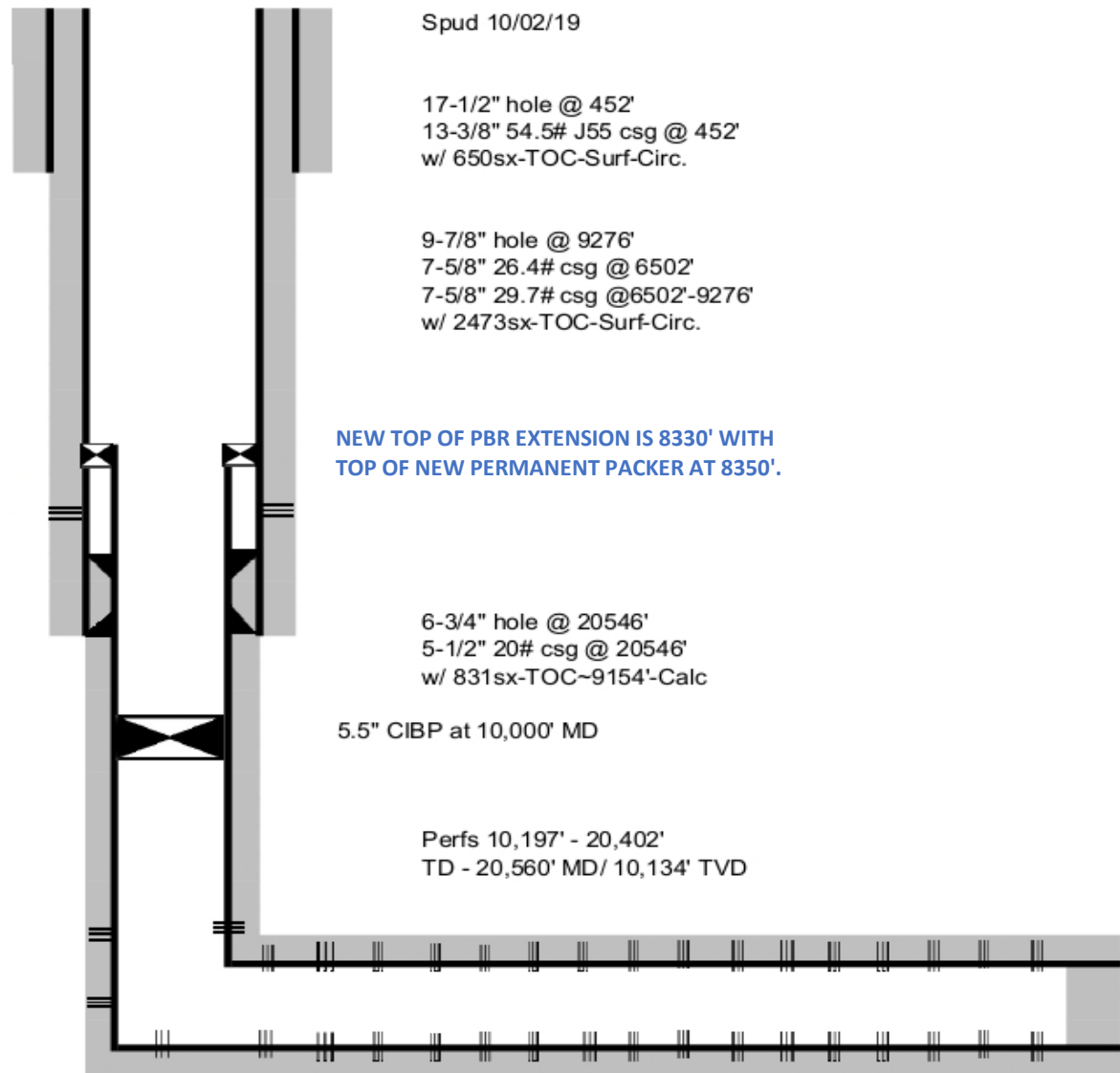
Zero In™ at oxy.com

FINAL WELLBORE 3/1/2023 (AFTER CASING REPAIR)
 OXBOW CC 17 8 FED COM #036H
 30-015-45088

**Not to scale

HIC @8450'

Additional Description	Jts	Length (ft)
BAKER BULLET SEAL ASSEMBLY	1	22.14
X/O 5.5" DQX X 5.5" VTHT	1	1.26
P110 DXQ	18	791.96
X/O 5.5" VTHT X 5.5" DQX	1	1.31
ZXPN LINER TOP PACKER	1	8.02
PBR EXTENSION	1	21.84



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

CONDITIONS

Action 273003

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	273003
Action Type:	
[C-103] NOI Workover (C-103G)	

CONDITIONS

Created By	Condition	Condition Date
dmcclure	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 fortyeight (48) hours notify the OCD Engineering Bureau. The lateral shall remain segregated until OCD grants approval to commingle it.	10/23/2023