



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

Sundry Print Report

12/28/2022

Well Name: LEAH 31 FEDERAL	Well Location: T23S / R31E / SEC 31 / NESE /	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0544986B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001527624	Well Status: Abandoned	Operator: OXY USA INCORPORATED

Accepted for record – NMOCD gc 1/31/2023

Subsequent Report

Sundry ID: 2702832

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/14/2022

Time Sundry Submitted: 11:18

Date Operation Actually Began: 11/03/2022

Actual Procedure: Please see the attached summary of operations and final wellbore diagram for the plug and abandonment performed.

SR Attachments

Actual Procedure

Final_Wellbore_Diagram_Leah_31_Fed_001_20221114111708.pdf

Leah_31_Federal_001_FINAL_PA_REPORT_20221114111417.pdf

**RECLAMATION
DUE 5-9-23**

Well Name: LEAH 31 FEDERAL	Well Location: T23S / R31E / SEC 31 / NESE /	County or Parish/State: EDDY / NM
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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: SARAH MCKINNEY **Signed on:** NOV 14, 2022 11:17 AM
Name: OXY USA INCORPORATED
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Street Address: 5 GREENWAY PLAZA SUITE 110
City: HOUSTON **State:** TX
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Field

Representative Name:
Street Address:
City: **State:** **Zip:**
Phone:
Email address:

BLM Point of Contact

BLM POC Name: JAMES A AMOS **BLM POC Title:** Acting Assistant Field Manager
BLM POC Phone: 5752345927 **BLM POC Email Address:** jamos@blm.gov
Disposition: Accepted **Disposition Date:** 12/28/2022
Signature: James A. Amos

Leah 31 Federal 001

30-015-27624

Final PA Report 11/03/2022-11/09/2022

11/03/22: DROVE PULLING UNIT & P&A PUMP ASSOCIATED EQUIPMENT FROM THE FEDERAL 27 #5 TO THE LEAH 31 FEDERAL 001 / HPJSM WITH ALL PERSONAL ON LOCATION / SPOT RIG AND P&A EQUIPMENT SET CATWALK & PIPE RACKS LOAD WORK STRING TUBING // SDFN / CREW TRAVEL BACK HOME

11/04/22: HTGSM W/ ALL PERSONAL ON LOCATION / MIRU PU & P&A ASSOCIATED EQUIPMENT / CHECK PSI ON WELL TBG = 0 PSI CSG = 50 PSI DIG OUT CELLAR INTER CSG = 20 PSI SURF CSG = 0 PSI / LAY DOWN PUMPING UNIT HEAD / PRESSURE TEST TUBING TO 1200 PSI WITH A GOOD TEST / JAR ON STUCK PUMP PULLING 10 TO 15 PTS OVER SHEER TOOL PARTED / LD PR / POOH LD 85 – 1.2" FG, 127 – 7/8" STEEL RODS 8 – 1.5" SB 1 – 7/8" SHEER TOOL / SECURE WELL SDFN

11/05/22: CHECK PSI ON WELL ALL STRINGS 0 PSI OPEN WELL / ND WH / NU 5K HYD BOP / PICK UP ON TUBING TO SET TUBING SLIPS IN POSITION TUBING NEUTRAL WEIGHT @ 54 PTS, TRY TO UNSEAT TAC WITH NO LUCK WORK PIPE UP AND DOWN TURNING TUBING TO THE RIGHT WITH TUBING TONGS WORK ON GETTING TAC RELEASE WITH SAME NEGATIVE RESULTS / MIRU CEMENT PUMP ON CASING LOAD WELL WITH 80 BBLs 10# BRINE BREAK CIRCULATION PUMPING REVERSE 2 BPM @ 1250 PSI CIRCULATE 250 BBLs PUMPING RATE 4 BPM @ 900 PSI GETTING FULL RETURNS ON TUBING CONTINUE WORKING ON GETTING TAC RELEASE FINALLY GOT TAC RELEASE / POOH WET WITH 101 STANDS OF 2-7/8" J-55 TBG, 4' X 2-7/8" MARKER SUB, 2 – 2-7/8" J-55 TBG, 1 – 5.5" X 2-7/8" TAC, 5 – 2-7/8" CERAMKOTE L-80 TBG, 1 – 2-7/8" SN, 2 – 2-7/8" OSI SUPER PERF, 1 – 2-7/8" MUD ANCHOR JT WITH BULL PLUG. (LD 1 – 1-1/2" SINKER BAR, 4' X 7/8" STABILIZER SUB & 24' X 2.5" ROD PUMP) RIH WITH KILL STRING LEFT EOT SWINGING @ 1890' WITH 60 JTS IN THE HOLE, SECURE WELL SDFW

11/07/22: HTGSM W/ ALL PERSONAL ON LOCATION / CHECK PSI ON WELL TBG = 50 PSI, CSG = 80 PSI, INTER CSG & SURF CSG = 0 PSI BLEED OFF PRESSURE / POOH WITH KILL STRING / MAKE UP 5.5" CIBP ON TUBING RIH SET 5.5" CIBP @ 6770' WITH 213 JTS IN THE HOLE / RU CEMENT PUMP CIRCULATE WELL WITH 161 BBLs OF 10# BRINE WATER MIX 10 GALLONS OF FLEX & GEL WITH 50 BBLs OF 10# BRINE WATER / PRESSURE TEST CASING TO 500 PSI HOLD PRESSURE FOR 30 MINUTES WITH A GOOD TEST, NOTE: CONTACT NMBLM LET THEM KNOW CIBP TESTED GOOD, BLM GIVE THE OK TO CONTINUE AS PROGRAM SPOT 25 SXS CLASS C CMT, 6770' – 6575' NO TAG REQUIRED / 1ST PLUG) SET 5.5" CIBP @ 6770' BALANCED PLUG FROM 6770' – 6575' SPOT 25 SXS CLASS C CMT, 5.87 BBLs, 14.8# 1.32 YIELD, COVERING 246' DISPLACE CMT TO 6524' DISPLACE W/ 37.8 BBLs, NO TAG REQUIRED / POOH LAY DOWN 20 JTS EOT @ 6146' PUMP 10 BBLs OF 10# BRINE WATER BREAK CIRCULATION 2ND PLUG) BALANCED PLUG FROM 6146' – 5905' SPOT 25 SXS CLASS C CMT, 5.8 BBLs, 14.8# 1.32 YIELD, COVERING 246' DISPLACE CMT TO 5900' DISPLACE W/ 34.22 BBLs / POOH WITH 15 STANDS LAY DOWN 7 JTS EOT @ 4960' / SECURE WELL SDFN

11/08/22: HTGSM W/ ALL PERSONAL ON LOCATION / CHECK PSI ON WELL ALL STRINGS = 0 PSI / RIH TAG TOC @ 5899' / POOH LD 55 JTS EOT @ 4180' / 3RD PLUG) BALANCED PLUG FROM 4180' – 2950' SPOT 125 SXS CLASS C CMT W/ 2% CALCIUM CHLORIDE, 29.38 BBLs, 14.8# 1.32 YIELD, COVERING 1234' DISPLACE CMT TO 2946' DISPLACE W/ 17.05 BBLs / POOH 46 STANDS LD 39 JTS / PICK UP & RIH W/ 5.5" AD-1 PACKER AND 10 JTS OF TAIL PIPE RIH SET PACKER @ 1335' WITH 42 JTS IN THE HOLE EOTP @ 1651' WITH 52 JTS IN THE HOLE / MIRU WL RIH TAG TOC @ 3000' PICKU UP TO 2950' SHOT 4 SQZ HOLES POOH RDMO WL / EST- INJ RATE 2.5 BPM @ 300 PSI GETTING FULL RETURNS ON INTERMEDIUM CASING / UNSEAT PACKER POOH LD 20 JTS SET PACKER @ 700' WITH 22 JTS IN THE HOLE EOTP @ 1651' WITH 32 JTS IN THE HOLE, 4TH PLUG) PERF @ 2950' SQZ 345 SXS CLASS C CMT W/ 2% CALCIUM CHLORIDE, 81.10 BBLs, 14.8# 1.32 YIELD, COVERING 3407' DISPLACE TO 1475' DISPLACE W/ 16.65 BBLs ISIP = 800 PSI / SECURE WELL SDFN.

11/09/22: CREW TRAVEL TO LOCATION, HTGSM W/ ALL PERSONAL ON LOCATION, CHECK PSI ON WELL ALL STRINGS = 0 PSI OPEN WELL, MIRU WL TO WELL PICK UP CCL 1-9/16 GUN 3.5 GRAM CHARGE .2" ENTRY HOLE 12" PENETRATION RIH TAG TOC @ 1415' PICKU UP TO 1400' SHOT 4 SQZ HOLES POOH RDMO WL, RU CMT PUMP ON TBG EST- INJ RATE WITH 10# BRINE WATER 2.5 BPM @ 250 PSI GETTING FULL RETURNS ON INTERMEDIUM CASING CIRCULATE TOTAL OF 30 BBLs, UNSEAT PACKER POOH LAY DOWN 32 JTS AND PACKER, RIH WITH 20 STANDS, POOH LAY DOWN 40 JTS, RD WORK FLOOR & ASSOCIATED EQUIPMENT, ND 5K HYD BOP, ND 5K X 7-1/16" X 3K SPOOL, NU 3K X 7-1/16" WELL HEAD FLANGE, RU CMT PUMP ON 5.5" PRODUCTION CSG BREAK CIRCULATION WITH 10 BBLs OF 10# BRINE WATER 5TH PLUG) PERF @ 1400' SQZ 350 SXS CLASS C CMT W/ 2% CALCIUM CHLORIDE, 82.28 BBLs, 14.8# 1.32 YIELD, COVERING 3457' FROM 1400' – 0' GOT FULL RETURNS ON INTERMEDIUM CASING CLOSE VALVE AND LEFT 800 PSI ON PRODUCTION CASING, WOC TOP OFF HOLE WITH CMT VERIFY CMT AT SURFACE WASH UP PUMP & FLOW BACK PIT, RDMO PU & P&A PUMP ASSOCIATED EQUIPMENT, CLEAN UP LOCATION P&A JOB COMPLETED

Final Wellbore Diagram 11/14/22

LEAH 31 FEDERAL #001

30-015-27624-0000

Eddy

String 1
 OD 13.375 in 48#
 TD 711 ft
 TOC 0 ft - Circ
 Drilled Hole 17.5"

PERF@ 1400'. SQZ 350 SX CL C CMT
 1400'-0' (verified cmt @ surface) .

PERF@ 2950'. SQZ 345 SX CL C CMT
 2950'-1415' (tag) .

String 2
 OD 8.625 in 24#
 TD 4110 ft
 TOC 0 ft - Circ
 Drilled Hole 12.25"

125 SX CL C CMT, Blanced Plug
 4180'-3000'. (tag)

25 SX CL C CMT, Blanced Plug 6146'-
 5899'. (tag)

SET CIBP @ 6770'. 25 SX CL C CMT ,
 6770' -6524'.

Tubing Assembly
 OD 2.875 in
 Top 0 ft
 Bot 6780 ft

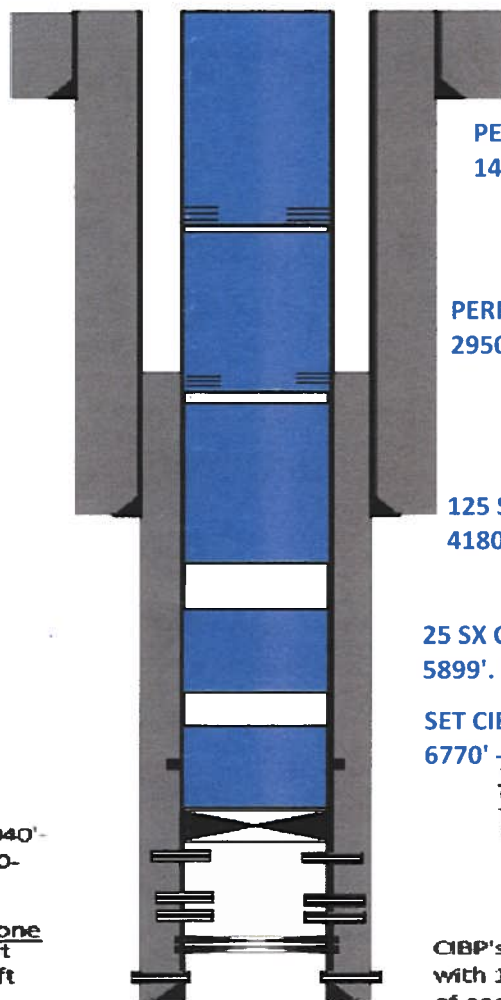
DV Tool
 Top 6096 ft

**Perfs @ 6820'-6828', 7040'-
 7048', 7140'-7230', 7310'-
 7378 and 7540' -7560'**

Prod Zone
 7800 ft
 7900 ft

String 3
 OD 5.5 in 15.5#
 TD 8070 ft
 TOC 2950 ft - Calc
 PBD 8070 ft
 Drilled Hole 7.875"

CIBP's @ 7664' and 7700'
 with 10 ft of cement on top
 of each CIBP - July 2016



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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 177358

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 177358
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	1/31/2023