

<b>Well Name:</b> LOGAN 35 FEDERAL	<b>Well Location:</b> T17S / R27E / SEC 35 / NWSE / 32.7894694 / -104.2461638	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 3	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM117806	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001530408	<b>Operator:</b> RILEY PERMIAN OPERATING COMPANY LLC	

Accepted for record only BLM approval required NMOCD 10/3/24 KF

CBL in files

**Subsequent Report**

**Sundry ID:** 2804306

**Type of Submission:** Subsequent Report

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 08/01/2024

**Time Sundry Submitted:** 02:23

**Date Operation Actually Began:** 07/08/2024

**Actual Procedure:** null

**SR Attachments**

**Actual Procedure**

Logan\_35\_Fed\_3\_20240801142305.pdf

Well Name: LOGAN 35 FEDERAL

Well Location: T17S / R27E / SEC 35 / NWSE / 32.7894694 / -104.2461638

County or Parish/State: EDDY / NM

Well Number: 3

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM117806

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001530408

Operator: RILEY PERMIAN OPERATING COMPANY LLC

### 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: DEB FIORDA

Signed on: AUG 01, 2024 02:23 PM

Name: RILEY PERMIAN OPERATING COMPANY LLC

Title: REGULATORY SPECIALIST

Street Address: 29 E RENO AVENUE

City: OKLAHOMA CITY State: OK

Phone: (405) 754-6968

Email address: DEBFIORDA@RILEYPERMIAN.COM

### 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: 08/02/2024

Signature: James A Amos

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. **NMNM117806**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator **RILEY PERMIAN OPERATING COMPANY LLC**

3a. Address **29 E RENO AVENUE SUITE 500, OKLAHOMA C**    3b. Phone No. (include area code)  
**(405) 543-1411**

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
**SEC 35/T17S/R27E/NMP**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **LOGAN 35 FEDERAL/3**

9. API Well No. **3001530408**

10. Field and Pool or Exploratory Area  
**NE RED LAKE/NE RED LAKE**

11. Country or Parish, State  
**EDDY/NM**

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 performed 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 determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**DEB FIORDA / Ph: (405) 754-6968**

REGULATORY SPECIALIST  
Title

(Electronic Submission)  
Signature

Date **08/01/2024**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by  
**JAMES A AMOS / Ph: (575) 234-5927 / Accepted**

Acting Assistant Field Manager  
Title

08/02/2024  
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 **CARLSBAD**

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: NWSE / 2210 FSL / 1650 FEL / TWSP: 17S / RANGE: 27E / SECTION: 35 / LAT: 32.7894694 / LONG: -104.2461638 ( TVD: 0 feet, MD: 0 feet )

BHL: NWSE / 2210 FSL / 1650 FEL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 015-30408
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LOGAN 35 FEDERAL
8. Well Number 3
9. OGRID Number 227106
10. Pool name or Wildcat NE RED LAKE
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [X] Gas Well [ ] Other [ ]
2. Name of Operator Riley Permian Operating
3. Address of Operator 29 E Reno Ave. Suite 500. Oklahoma City, OK
4. Well Location
Unit Letter P : 580 feet from the FSL line and 1030 feet from the FEL line
Section 35 Township 17S Range 27E NMPM County EDDY

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [X]
CASING/CEMENT JOB [ ]
OTHER: [ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7.8.24: RU Equipment. NU BOP. 7.9.24: RUWL. RIH w/CBL, Tag @ 1925'. CBL to Surface. RIH w/TBG to 1925'. Load Hole w/46 BBL MLF. Plug #1. 102 SXS, 134.64 CF, 14.8#, Class C CMT from 1925-894'. 7.10.24: RIH w/TBG. Tag @ 976'. LD TBG to 500'. Plug #2. 50 SXS, 66CF, 14.8# Class C CMT from 500-0'. Confirm CMT. RD All Equip. C&C Well.

Spud Date: [ ]

Rig Release Date: [ ]

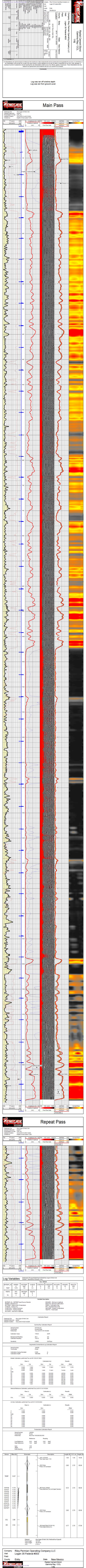
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE EHSR Manager DATE 7/30/24

Type or print name Spence Laird E-mail address: spence.laird@rileypermian.com PHONE: 405-543-1411

APPROVED BY: [ ] TITLE [ ] DATE [ ]

Conditions of Approval (if any):



**Log Variables**

Database: C:\ProgramData\Warrior\Data\WorriorData\riley-logan-35-fed-3.db  
 Dataset: #fieldwellrun19pass5\_v19.mf

Top - Bottom						
BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASECHK	CASEWGHT	MAXAMPL
TEMP	7.875	100	5.5	0	15.5	72
PERFS	PPT	SRTEMP	TDEPTH			
No	0	0	0			

**Variable Description**

- BHTEMP\_Src: BHTEMP Input Source Selector
- BOREID: Borehole ID
- BOTTEMP: Bottomhole Temperature
- CASEOD: Casing O.D.
- CASECHK: Casing Thickness
- CASEWGHT: Casing Weight
- MAXAMPL: Maximum Amplitude
- MINAMPL: Minimum Amplitude
- MINATTN: Minimum Attenuation
- PERFS: Perforation Flag
- PPT: Predicted Pipe Time
- SRTEMP: Surface Temperature
- TDEPTH: Total Depth

**Calibration Report**

Database File: riley-logan-35-fed-3.db  
 Dataset Pathname: pass6  
 Dataset Creation: Tue Jul 09 14:02:16 2024

**Gamma Ray Calibration Report**

Serial Number: FW1401-54  
 Tool Model: Probe275dg  
 Performed: Tue Jul 09 13:16:19 2024

Calibrator Value: 1150.0 GAPI

Background Reading: 26.0 cps  
 Calibrator Reading: 1727.2 cps  
 Sensitivity: 0.6863 GAPI/cps

**Segmented Cement Bond Log Calibration Report**

Serial Number: 100529  
 Tool Model: Probe  
 Calibration Casing Diameter: 5.500 in  
 Calibration Depth: 1906.892 ft

**Master Calibration, performed Tue Jul 09 13:52:47 2024:**

Raw (v)	Calibrated (mv)		Results	
	Zero	Call	Zero	Call
3'	-0.005	1.022	1.000	71.921
CAL	-0.005	2.045	1.000	143.842
F	0.000	0.950	1.000	71.921
SUM	0.000	2.095	0.000	100.000
S1	-0.005	1.008	0.000	100.000
S2	-0.005	2.008	0.000	100.000
S3	-0.005	1.008	0.000	100.000
S4	-0.005	1.010	0.000	100.000
S5	-0.005	1.004	0.000	100.000
S6	-0.005	1.000	0.000	100.000
S7	-0.005	0.997	0.000	100.000
S8	-0.005	1.001	0.000	100.000

**Internal Reference Calibration, performed Tue Jul 09 13:14:19 2024:**

Raw (v)	Calibrated (v)		Results	
	Zero	Call	Zero	Call
CAL	0.000	0.000	-0.005	2.045

**Air Zero Calibration, performed Tue Jul 09 13:12:56 2024:**

Raw (v)	Calibrated (v)		Results	
	Zero	Call	Zero	Call
F	0.000	0.000	0.000	0.000
3'	0.000	0.000	0.000	0.000
SUM	0.000	0.000	0.000	0.000
S1	0.000	0.000	0.000	0.000
S2	0.000	0.000	0.000	0.000
S3	0.000	0.000	0.000	0.000
S4	0.000	0.000	0.000	0.000
S5	0.000	0.000	0.000	0.000
S6	0.000	0.000	0.000	0.000
S7	0.000	0.000	0.000	0.000
S8	0.000	0.000	0.000	0.000

**Temperature Calibration Report**

Serial Number: 100529  
 Tool Model: Probe  
 Performed: Mon Feb 19 08:08:58 2018

Reference	Reading
Low Reference:	0.00 degF
High Reference:	1.00 degF
Gain:	1.00
Offset:	0.00
Delta Spacing:	1

**Sensor Schematic**

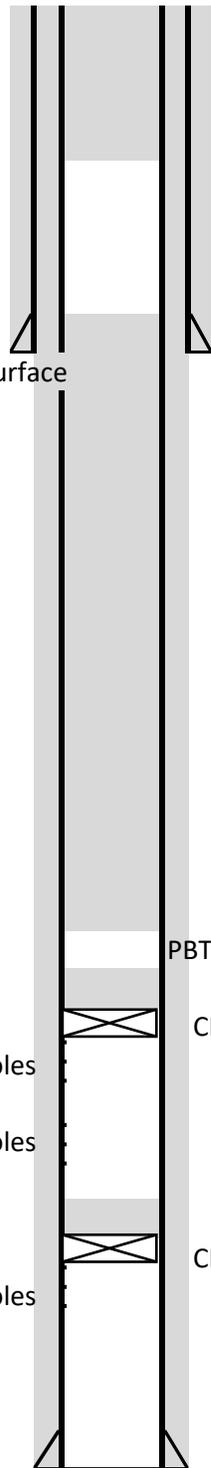
Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	14.67	CHD-14375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00
		CENT-Probe Probe 2 3/4 Centralizer	2.82	2.75	20.00
WFVS8	11.78	RBT-Probe (100529) Probe Radi Bond Tool with Digital Telemetry	8.33	2.75	90.00
WFVS7	11.78				
WFVS6	11.78				
WFVS5	11.78				
WFVS4	11.78				
WFVS3	11.78				
WFVS2	11.78				
WFVS1	11.78				
WFVCAL	11.78				
WFV3FT	11.78				
WFV5FT	10.78				
CCL	3.88	CENT-Probe Probe 2 3/4 Centralizer	2.82	2.75	20.00
GR	2.54	GR-Probe275dg (FW1401-54) Probe Digital Gamma CCL	4.77	2.75	57.00

Dataset: riley-logan-35-fed-3.db; fieldwellrun19pass6  
 Total length: 1971 ft; 197.00 lb  
 O.D.: 2.75 in

Company: Riley Perman Operating Company LLC  
 Well: Logan 35 Federal #003  
 Field: Eddy  
 County: Eddy  
 State: New Mexico  
 Radial Cement Bond  
 Gamma Ray / CCL  
 Log

**Well Name:** Logan 35 Federal 3  
**API:** 30-015-30408  
**Location:** 2210' FSL, 1650' FEL  
Sec 35, T17S, R27E  
**State:** Eddy Co., NM

**FINAL**



**GL:** 3650'

Plug #5  
Spot 52 sx cl C (14.8# 1.32 yield)  
496' to surface

12 1/4" hole

**Surface CSG**  
8 5/8", 24#, J-55  
Set @ 1126' w/350 sxs to surface

Tag TOC 976'

Formation	Tops
Bowers	742
Queen	947
GRBG	1358
Premier	1638
San Andres	1678
Glorieta	3030
Yeso	3105

Note: Possible H2S

Plug #1-4  
spot 102sks Class C cmt (14.8#/1.32 yield)  
from 1925' to calc TOC @ 918'

PBT 1951' 1. Run CBL from PBT to surface.

San Andres  
2248 TO 2442, 23 holes CIBP 2205, 25 sx cement, tagged at 1951'

2726 TO 2846, 26 holes

Yeso  
3148 TO 3360, 23 holes CIBP 3100, 2 dump bails, tagged at 3060'

7 7/8" hole

**Production CSG**  
5 1/2", 15.5#, J-55  
Set @ 3807' w/800 sxs to surface

TD 3807'

**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 381593

**CONDITIONS**

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 381593
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
kfortner	Accepted for record only BLM approval required NMOCD 10/3/24 KF CBL in files	10/3/2024