

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

Well Name: VANDAGRIFF 8 D
FEDERAL

Well Location: T18S / R27E / SEC 8 /
NWNW / 32.7685966 / -104.3057785

County or Parish/State: EDDY /
NM

Well Number: 4

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM7716

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001540805

Operator: RILEY PERMIAN
OPERATING COMPANY LLC

Notice of Intent

Sundry ID: 2793992

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/06/2024

Time Sundry Submitted: 11:26

Date proposed operation will begin: 08/05/2024

Procedure Description:

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Riley_Vandagriff_8_D_Federal_4_Proposed_WBD_20240606112635.pdf

Riley_Vandagriff_8_D_Federal_4_Proposed_NOI_20240606112621.pdf

Riley_Vandagriff_8_D_Federal_4_Current_WBD_20240606112608.pdf

Well Name: VANDAGRIFF 8 D
FEDERAL

Well Location: T18S / R27E / SEC 8 /
NWNW / 32.7685966 / -104.3057785

County or Parish/State: EDDY 7
NM

Well Number: 4

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM7716

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001540805

Operator: RILEY PERMIAN
OPERATING COMPANY LLC

Conditions of Approval

Specialist Review

Vandagriff_8_D_Federal_4_Sundry_ID_2793992_P_A_20240701142222.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: DEB FIORDA

Signed on: JUN 06, 2024 11:26 AM

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: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 07/01/2024

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. **NMNM7716**

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 8/T18S/R27E/NMP

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

8. Well Name and No. **VANDAGRIFF 8 D FEDERAL/4**

9. API Well No. **3001540805**

10. Field and Pool or Exploratory Area
RED LAKE-GLORIETA-YESO/RED LAKE-GLORIETA-

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 checked="" 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 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 **06/06/2024**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
LONG VO / Ph: (575) 988-5402 / Approved

Petroleum Engineer
Title

07/01/2024
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: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 32.7685966 / LONG: -104.3057785 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BHL: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



Vandagriff 8 D Federal 4

RED LAKE - GLORIETA, YESO, TUBB	API #:	30-015-40805
EDDY COUNTY, NM	SPUD DATE:	11/18/2012
	OCD DISTRICT:	
	LOCATION:	D-08-18S-27E 330 FNL 990 FWL
	Lat:	32.7685966
	Long:	-104.3057785

KB: 3,430
GL: 3,418

12-1/4" OH to 436'

3. Spot 55 sx cmt @ 486' to surface. (8 5/8" Shoe)

8-5/8", 24#, J-55 Surface Casing set @ 436'
Cmt'd w/ 310 sx Cls C to surface

PROPOSED

2. Spot 25 sx cmt @ 1050-850'. (Grayburg)

FORMATION	TOP
Queen	532
Grayburg	932
San Andres	1484
Glorieta	2557
Yeso	2642
Tubb	4125

1. Set 5 1/2" CIBP @ 2570'. Circ hole w/ MLF. Pressure test csg.
Spot 25 sx cmt @ 2570-2370'. (Glorieta)

UPPER YESO (GLORIETA) PERFS:
2620'-2950', 34 holes

YESO PERFS:
3050'-4078', 127 holes

TUBB PERFS:
4180'-4370', 22 holes

7-7/8" OH to 4441'

5-1/2", 17#, J-55 Production Casing set @ 4441'
Cmt'd w/ 955 sx Cls C to surface

PBTD 4,394
TD 4,441

UPDATED ON:	5/6/2024
UPDATED BY:	Taylor Vincent

Plug Abandonment NOI Proposed

OPERATOR NAME:	Riley Permian Operating Company, LLC
LEASE NO.:	NMNM7716
WELL NAME & NO.:	Vandagriff 8 D Federal #4
US WELL NUMBER:	30-015-40805
LOCATION:	Sec 8, T18S, R27E
COUNTY:	Eddy County, NM

1. Set 5 1/2" CIBP @2570'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 2570-2370'. (Glorieta)
2. Spot 25 sx cmt @ 1050-850'. (Grayburg)
3. Spot 55 sx cmt @ 486' to surface. (8 5/8" Shoe)
4. Cut off wellhead, verify cmt at surface, weld on Dry Hole Marker.



Vandagriff 8 D Federal 4

RED LAKE - GLORIETA, YESO, TUBB EDDY COUNTY, NM	API #:	30-015-40805
	SPUD DATE:	11/18/2012
	OCD DISTRICT:	
	LOCATION:	D-08-18S-27E 330 FNL 990 FWL
	Lat:	32.7685966
	Long:	-104.3057785

KB: 3,430
GL: 3,418

12-1/4" OH to 436'

8-5/8", 24#, J-55 Surface Casing set @ 436'
Cmt'd w/ 310 sx Cls C to surface

CURRENT

ROD DETAIL
DESCRIPTION
1-1/2" X 1/3/4 X 26" P/R
43 7/8" D90
115 7/8" S88
25-175-RHBC-20-5-4-0

Tubing stuck w/ 75-100 pts

TUBING DETAIL
DESCRIPTION
76 JTS 2-7/8" (2442.26)
2-7/8" X 5-1/2" TAC (2445.26)
54 JTS 2-7/8" (4191.53)
S.N (4192.63)
DESANDER (4222.63)
MA.(4255.10)
DUMP VALVE (4255.70)

FORMATION	TOP
Queen	532
Grayburg	932
San Andres	1484
Glorieta	2557
Yeso	2642
Tubb	4125

Degrees @ Depth
.7° @ 204'
1.1° @ 518'
2.0° @ 740'
1.7° @ 1311'
1.7° @ 1786'
.8° @ 2298'
1° @ 2800'
1.5° @ 3300'
1.3° @ 3815'

7-7/8" OH to 4441'

PBTD 4,394
TD 4,441

UPPER YESO (GLORIETA) PERFS:
2620'-2950', 34 holes

YESO PERFS:
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TUBB PERFS:
4180'-4370', 22 holes

5-1/2", 17#, J-55 Production Casing set @ 4441'
Cmt'd w/ 955 sx Cls C to surface

UPDATED ON:	5/6/2024
UPDATED BY:	Taylor Vincent



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

Sundry Print Report

07/01/2024

Well Name: VANDAGRIFF 8 D FEDERAL	Well Location: T18S / R27E / SEC 8 / NWNW / 32.7685966 / -104.3057785	County or Parish/State: EDDY / NM
Well Number: 4	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM7716	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001540805	Operator: RILEY PERMIAN OPERATING COMPANY LLC	

LONG VO

Digitally signed by
LONG VO
Date: 2024.07.01
15:05:52 -05'00'

Notice of Intent

Sundry ID: 2793992

Type of Submission: Notice of Intent

Date Sundry Submitted: 06/06/2024

Date proposed operation will begin: 08/05/2024

Type of Action: Plug and Abandonment

Time Sundry Submitted: 11:26

Procedure Description:

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Riley_Vandagriff_8_D_Federal_4_Proposed_WBD_20240606112635.pdf

Riley_Vandagriff_8_D_Federal_4_Proposed_NOI_20240606112621.pdf

Riley_Vandagriff_8_D_Federal_4_Current_WBD_20240606112608.pdf

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

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.	NMNM7716
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator RILEY PERMIAN OPERATING COMPANY LLC	8. Well Name and No. VANDAGRIFF 8 D FEDERAL/4
3a. Address 29 E RENO AVENUE SUITE 500, OKLAHOMA	3b. Phone No. (include area code) (405) 543-1411	9. API Well No. 3001540805
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 8/T18S/R27E/NMP		10. Field and Pool or Exploratory Area RED LAKE-GLORIETA-YESO/RED LAKE-GLORIETA-
		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 checked="" 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 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	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 06/06/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Long Vo</i> 	Title Petroleum Engineer	Date 7/1/2024
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 CPO	

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.

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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.

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

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Additional Information

Location of Well

0. SHL: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 32.7685966 / LONG: -104.3057785 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BHL: NWNW / 330 FNL / 990 FWL / TWSP: 18S / RANGE: 27E / SECTION: 8 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Plug Abandonment NOI Proposed

OPERATOR NAME:	Riley Permian Operating Company, LLC
LEASE NO.:	NMNM7716
WELL NAME & NO.:	Vandagriff 8 D Federal #4
US WELL NUMBER:	30-015-40805
LOCATION:	Sec 8, T18S, R27E
COUNTY:	Eddy County, NM

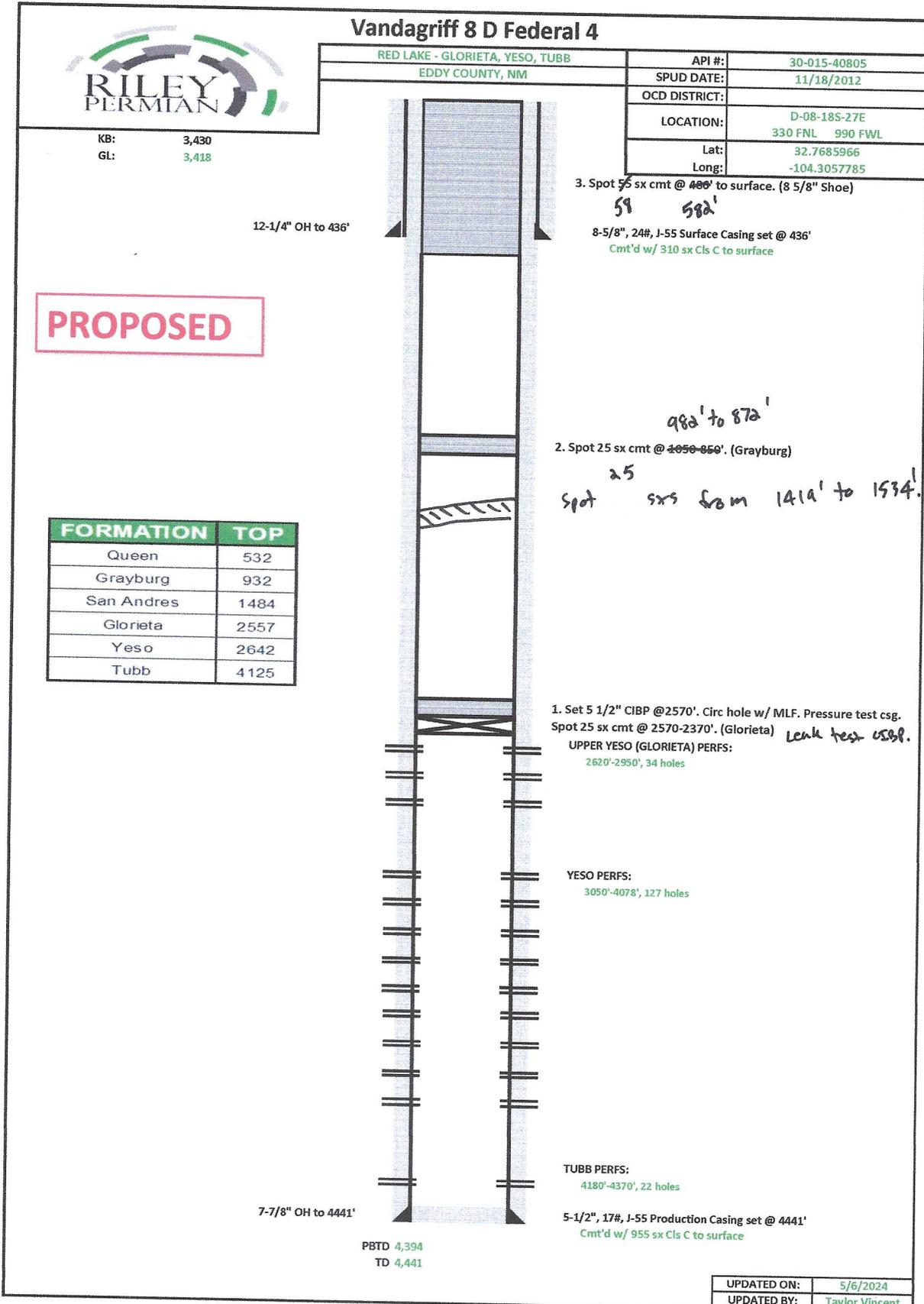
1. Set 5 1/2" CIBP @2570'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 2570-2370'. (Glorieta)

2. Spot 25 sx cmt @ ~~1050-850'~~ (Grayburg) (982' to 872')

3. Spot 53⁵⁸ sx cmt @ 486' to surface. (8 5/8" Shoe) 582' to surface.

4. Cut off wellhead, verify cmt at surface, weld on Dry Hole Marker.

→ Spot 25 sx 5 from 1419' to 1534'. San Andres @ 1484'.





Vandagriff 8 D Federal 4

RED LAKE - GLORIETA, YESO, TUBB		API #:	30-015-40805
EDDY COUNTY, NM		SPUD DATE:	11/18/2012
		OCD DISTRICT:	
		LOCATION:	D-08-18S-27E 330 FNL 990 FWL
		Lat:	32.7685966
		Long:	-104.3057785

KB: 3,430
GL: 3,418

CURRENT

ROD DETAIL	
DESCRIPTION	
1-1/2" X 1/3/4 X 26" P/R	
43 7/8" D90	
115 7/8" S88	
25-175-RHBC-20-5-4-0	

Tubing stuck w/ 75-100 pts

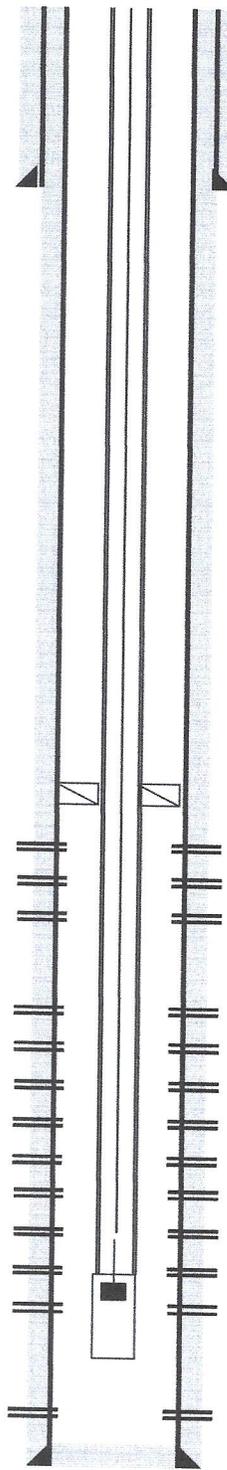
TUBING DETAIL	
DESCRIPTION	
76 JTS 2-7/8" (2442.26)	
2-7/8" X 5-1/2" TAC (2445.26)	
54 JTS 2-7/8" (4191.53)	
S N (4192.63)	
DESANDER (4222.63)	
MA. (4255.10)	
DUMP VALVE (4255.70)	

FORMATION	TOP
Queen	532
Grayburg	932
San Andres	1484
Glorieta	2557
Yeso	2642
Tubb	4125

Degrees @ Depth	
.7°	@ 204'
1.1°	@ 518'
2.0°	@ 740'
1.7°	@ 1311'
1.7°	@ 1786'
.8°	@ 2298'
1°	@ 2800'
1.5°	@ 3300'
1.3°	@ 3815'

12-1/4" OH to 436'

8-5/8", 24#, J-55 Surface Casing set @ 436'
Cmt'd w/ 310 sx Cls C to surface



UPPER YESO (GLORIETA) PERFS:
2620'-2950', 34 holes

YESO PERFS:
3050'-4078', 127 holes

TUBB PERFS:
4180'-4370', 22 holes

5-1/2", 17#, J-55 Production Casing set @ 4441'
Cmt'd w/ 955 sx Cls C to surface

7-7/8" OH to 4441'

PBTD 4,394
TD 4,441

UPDATED ON:	5/6/2024
UPDATED BY:	Taylor Vincent

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

**Permanent Abandonment of Federal Wells
Conditions of Approval**

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

If you are unable to plug 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 plugged. Failure to do so will result in enforcement action.

The rig used for the plugging 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 plugging 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. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **fresh** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified *BY PHONE* (numbers listed in 2. Notifications) a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. 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.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (**Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure**). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads**. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or

concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Doris Lauger Martinez
Environmental Protection Specialist
575-234-5926

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

Sundry ID

2793992

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Fresh Water @ 350	296.50	400.00	103.50	If solid			
8.625 inch- Shoe Plug	381.64	486.00	104.36	Tag/Verify			
Queen @ 532	476.68	582.00	105.32	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	58.00	C	Spot cement from 582' to surface. Verify at surface.
Greyburg @ 932	872.68	982.00	109.32	If solid base no need to Tag	25.00	C	Spot cement from 982' to 872'.
San Andres @ 1484	1419.16	1534.00	114.84	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 1419' to 1534'.
Glorieta @ 2557	2481.43	2607.00	125.57	If solid			

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
CIBP Plug	2535.00	2570.00	35.00		25.00	C	Set CIBP at 2570'. Spot cement from 2570' to 2481'. Leak test CIBP.
Yeso @ 2642	2565.58	2692.00	126.42	If solid			
Perforations Plug (If No CIBP)	2570.00	4420.00	1850.00	Tag/Verify			
5.5 inch- Shoe Plug	4346.59	4491.00	144.41	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater
R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx
Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

<u>Cave Karst/Potash Cement Requirement:</u>	<u>Medium</u>	<u>Top of Salt to surface</u>
8.625 inch- Shoe Plug @	436.00	
5.5 inch- Shoe Plug @	4441.00	
Perforatons Top @	2620.00	Perforations 4370.00
		CIBP @ 2570.00

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 360424

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 360424
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL from TD to surface Set CIBP @ 4140' & DB 35' cement - Tubb Perforations CBL must be submitted to OCD via OCD Permitting before submitting C-103	7/26/2024