

Well Name: JADE 34 3 FED COM	Well Location: T19S / R33E / SEC 34 / NENE /	County or Parish/State: /
Well Number: 21H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM097896	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550969	Well Status: Drilling Well	Operator: EARTHSTONE OPERATING LLC

Subsequent Report

Sundry ID: 2761267

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 11/13/2023

Time Sundry Submitted: 11:49

Date Operation Actually Began: 04/08/2023

Actual Procedure: 04/05/2023 - NOTIFIED BLM OF INTENT TO SPUD WELL 04/08/2023 - SPUD WELL 04/09/2023 - NOTIFY BLM OF INTENT TO RUN & CMNT 13.375" SURFACE CASING -DRILL 17.5" SURFACE HOLE TO 1367' MD 04/09 - 04/10/2023 - RUN 31 JTS, 13.375", 54.5#, J-55 BTC CSG SET @ 1367' MD 04/10/2023 - CEMENT 13.375" SURFACE CASING LEAD - 208 BBLS (455 SXS) CLASS C @ 2.01 YIELD TAIL - 99 BBLS (415 SXS) CLASS C @ 1.34 YIELD **CIRCULATED 102 BBLS (222 SXS) CEMENT TO SURFACE -PRESSURE TEST SURFACE CASING TO 1500 PSI; 30 MIN; GOOD TEST -WOC 24 HOURS -SUSPEND DRILLING OPERATIONS & RELEASE SPUDDER RIG 09/25/2023 - NOTIFY BLM OF INTENT TO TEST BOPE & RESUME DRILLING OPERATIONS 09/26/2023 - RIG UP & TEST BOPE -TEST CHOKE, RAMS, VALVES, & LINES; 250 LOW/5000 HIGH; 10 MIN EACH TEST; ALL GOOD TEST -TEST ANNULAR; 250 LOW/2500 HIGH; 10 MIN; GOOD TEST 09/27/2023 - DRILL 12.25" INTERMEDIATE HOLE #1 TO 3295' MD -NOTIFIED BLM OF INTENT TO RUN & CMNT 10.75" INT #1 CASING -RUN 77 JTS, 10.75", 45.5# HCL-80 BTC CSG SET @ 3280' MD 09/27 - 09/28/2023 - CEMENT 10.75" INTERMEDIATE #1 CASING LEAD - 246 BBLS (700 SXS) CLASS C @ 1.97 YIELD TAIL - 34 BBLS (145 SXS) CLASS C @ 1.32 YIELD **CIRCULATED 111 BBLS (316 SXS) CEMENT TO SURFACE 09/28/2023 - WOC 24 HOURS 09/29/2023 - START 9.875" INTERMEDIATE #2 HOLE -DRILL 9.875" INT #2 HOLE TO 4180' MD -TOH DUE TO FLOW LINE BEING PACKED OFF W/CUTTINGS -TIH 3990' -WASH & REAM 3990 - 4175 W/NO RETURNS -ROTARY STALLED OUT, HYDOSTATICALLY STUCK -JAR & WORK STUCK PIPE; MADE 20' JARRING THEN NO PROGRESS -WORK PIPE FREE & POOH 3987'-200'; 169.36 OF FISH LEFT IN HOLE 9/30/2023 - TIH W/FISHING /JARRING ASSEMBLY -WORK TO FREE PIPE -NO LUCK FREEING STUCK PIPE 9/30 - 10/1/2023 - PICK UP 20 JTS, 2.875" TBNG -TIH W/5" DRILL PIPE 639' - 3420' @ 60'/MIN -SET PKR @ 3420' MD 10/1/2023 - SET PKR @ 3420'; PRESSURE UP TO 300 PSI & HOLD 5 MIN; PRESSURE UP TO 500 PSI & HOLD 5 MIN; PRESSURE UP TO 1000 PSI & HOLD 15 MIN; BLEED OFF PRESSURE -PRESSURE UP TO 1000 PSI & HOLD FOR AN ADDITIONAL 10 MIN -PICK UP 10K & SLACK OFF

Well Name: JADE 343 FED COM

Well Location: T19S / R33E / SEC 34 / NENE /

County or Parish/State: /

Well Number: 21H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM097896

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002550969

Well Status: Drilling Well

Operator: EARTHSTONE OPERATING LLC

10K TO ENSURE PKR IS SET PROPERLY -RU CEMENT EQUIPMENT -PUMP CMNT PLUG; SPOT PLUG 3420' - 2920'; PUMPED 48 BBLS (285 SXS) CLASS H CMNT @ .94 YIELD; DISPLACE W/48 BBLS OF FW, LEAVING 2.4 BBLS OF CMNT IN TBNG FOR A BALANCED PLUG -POOH @ 20'/MINUTE F/3415'-2470' AFTER PUMPLING BALANCED PLUG 10/1 -10/2/2023 - WOC 24 HOURS -CIRCULATED SURFACE TO SURFACE -WOC AND ADDITIONAL 12 HOURS -DRESS CEMENT -WOC AN ADDITIONAL 12 HOURS -CIRCUALTE SURFACE TO SURFACE -10/2/2023 - DRESS TOC PLUG 2942' - 3290' -CONTINUE DRILLING OPERATIONS 10/4/2023 - DRILL 9.875" INTERMEDIATE #2 HOLE TO 5275' MD -NOTIFIED BLM OF INTENT TO RUN & CEMENT 8.625" INT #2 CASING 10/4 - 10/5/2023 - RAN 8.625", 32# HCL-80 MO-FXL CSG SET @ 5251' MD 10/5/2023 - PUMP 1ST STAGE CEMNT LEAD - 190 BBLS (450 SXS) CLASS C @ 2.38 YIELD TAIL - 27 BBLS (115 SXS) CLASS C @ 1.32 YIELD - DROP PLUG & DISPLACE W/314 BBLS OF FW -INFLATED PKR & OPENED DV TOOL -PUMP 2ND STAGE CEMENT JOB LEAD - 326 BBLS (929 SXS) CLASS C @ 1.97 YIELD TAIL - 27 BBLS (115 SXS) CLASS C @ 1.32 YIELD **CIRCULATED 13 BBLS (37 SXS) CEMENT TO SURFACE -PRESSURE TEST INT #2 CASING TO 1500 PSI; 30 MIN; GOOD TEST 10/5-10/6/2023 - WOC 24 HOURS 10/7/2023 - TEST 8.625' INT #2 CASING TO 1500 PSI; 30 MIN; GOOD TEST 10/14/2023 - DRILL 7.875" PRODUCTION HOLE TO 20,954' TD/10,768' TVD 10/15/2023 - NOTIFIED BLM OF INTENT TO RUN & CEMENT 5.5" PRODUCTION CASING 10/16/2023 - RUN 5.5", 20# P-110 RY-VARN CSG SET @ 20,939' MD -CEMENT 5.5" PRODUCTION CASING LEAD - 342 BBLS (630 SXS) CLASS H @ 3.05 YIELD TAIL - 474 BBLS (1380 SXS) CLASS H @ 1.93 YIELD **CIRCULATED 124 BLS (228 SXS) CEMENT TO SURFACE 10/17/2023 - RIG RELEASED ***PRODUCTION CASING PRESSURE TEST WILL BE CONDUCTED PRIOR TO COMPLETIONS OPERATIONS***

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: JENNIFER ELROD

Signed on: NOV 13, 2023 11:48 AM

Name: EARTHSTONE OPERATING LLC

Title: Senior Regulatory Analyst

Street Address: 300 N MARIENFIELD STREET SUITE 1000

City: MIDLAND State: TX

Phone: (940) 452-6214

Email address: JENNIFER.ELROD@PERMIANRES.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

Well Name: JADE 343 FED COM

Well Location: T19S / R33E / SEC 34 / NENE /

County or Parish/State: /

Well Number: 21H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM097896

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002550969

Well Status: Drilling Well

Operator: EARTHSTONE OPERATING LLC

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Accepted

Disposition Date: 11/28/2023

Signature: Jonathon Shepard

CONFIDENTIAL

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. **NMNM097896**

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 **EARTHSTONE OPERATING LLC**

3a. Address **300 N MARIENFIELD STREET SUITE 1000, MID** 3b. Phone No. (include area code)
(432) 695-4222

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 34/T19S/R33E/NMP

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

8. Well Name and No. **JADE 34 3 FED COM/21H**

9. API Well No. **3002550969**

10. Field and Pool or Exploratory Area
TEAS/BONE SPRING

11. Country or Parish, State
LEA/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 checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input 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.)

04/05/2023 - NOTIFIED BLM OF INTENT TO SPUD WELL
 04/08/2023 - SPUD WELL
 04/09/2023 - NOTIFY BLM OF INTENT TO RUN & CMNT 13.375" SURFACE CASING
 -DRILL 17.5" SURFACE HOLE TO 1367' MD
 04/09 - 04/10/2023 - RUN 31 JTS, 13.375", 54.5#, J-55 BTC CSG SET @ 1367' MD
 04/10/2023 - CEMENT 13.375" SURFACE CASING
 LEAD - 208 BBLS (455 SXS) CLASS C @ 2.01 YIELD
 TAIL - 99 BBLS (415 SXS) CLASS C @ 1.34 YIELD
 **CIRCULATED 102 BBLS (222 SXS) CEMENT TO SURFACE
 -PRESSURE TEST SURFACE CASING TO 1500 PSI; 30 MIN; GOOD TEST
 -WOC 24 HOURS
 -SUSPEND DRILLING OPERATIONS & RELEASE SPUDDER RIG
 Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
JENNIFER ELROD / Ph: (940) 452-6214

Signature (Electronic Submission)

Title **Senior Regulatory Analyst**

Date **11/13/2023**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **JONATHON W SHEPARD / Ph: (575) 234-5972 / Accepted**

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 **Petroleum Engineer**

Date **11/29/2023**

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

09/25/2023 - NOTIFY BLM OF INTENT TO TEST BOPE & RESUME DRILLING OPERATIONS

09/26/2023 - RIG UP & TEST BOPE

-TEST CHOKE, RAMS, VALVES, & LINES; 250 LOW/5000 HIGH; 10 MIN EACH TEST; ALL GOOD TEST

-TEST ANNULAR; 250 LOW/2500 HIGH; 10 MIN; GOOD TEST

09/27/2023 - DRILL 12.25" INTERMEDIATE HOLE #1 TO 3295' MD

-NOTIFIED BLM OF INTENT TO RUN & CMNT 10.75" INT #1 CASING

-RUN 77 JTS, 10.75", 45.5# HCL-80 BTC CSG SET @ 3280' MD

09/27 - 09/28/2023 - CEMENT 10.75" INTERMEDIATE #1 CASING

LEAD - 246 BBLS (700 SXS) CLASS C @ 1.97 YIELD

TAIL - 34 BBLS (145 SXS) CLASS C @ 1.32 YIELD

**CIRCULATED 111 BBLS (316 SXS) CEMENT TO SURFACE

09/28/2023 - WOC 24 HOURS

09/29/2023 - START 9.875" INTERMEDIATE #2 HOLE

-DRILL 9.875" INT #2 HOLE TO 4180' MD

-TOH DUE TO FLOW LINE BEING PACKED OFF W/CUTTINGS

-TIH 3990'

-WASH & REAM 3990 - 4175 W/NO RETURNS

-ROTARY STALLED OUT, HYDOSTATICALLY STUCK

-JAR & WORK STUCK PIPE; MADE 20' JARRING THEN NO PROGRESS

-WORK PIPE FREE & POOH 3987'-200'; 169.36 OF FISH LEFT IN HOLE

9/30/2023 - TIH W/FISHING /JARRING ASSEMBLY

-WORK TO FREE PIPE

-NO LUCK FREEING STUCK PIPE

9/30 - 10/1/2023 - PICK UP 20 JTS, 2.875" TBNG

-TIH W/5" DRILL PIPE 639' - 3420' @ 60'/MIN

-SET PKR @ 3420' MD

10/1/2023 - SET PKR @ 3420'; PRESSURE UP TO 300 PSI & HOLD 5 MIN; PRESSURE UP TO 500 PSI & HOLD 5 MIN; PRESSURE UP TO 1000 PSI & HOLD 15 MIN; BLEED OFF PRESSURE

-PRESSURE UP TO 1000 PSI & HOLD FOR AN ADDITIONAL 10 MIN

-PICK UP 10K & SLACK OFF 10K TO ENSURE PKR IS SET PROPERLY

-RU CEMENT EQUIPMENT

-PUMP CMNT PLUG; SPOT PLUG 3420' - 2920'; PUMPED 48 BBLS (285 SXS) CLASS H CMNT @ .94 YIELD; DISPLACE W/48 BBLS OF FW, LEAVING 2.4 BBLS OF CMNT IN TBNG FOR A BALANCED PLUG

-POOH @ 20'/MINUTE F/3415'-2470' AFTER PUMPLING BALANCED PLUG

10/1 -10/2/2023 - WOC 24 HOURS

-CIRCULATED SURFACE TO SURFACE

-WOC AND ADDITIONAL 12 HOURS

-DRESS CEMENT

-WOC AN ADDITIONAL 12 HOURS

-CIRCUALTE SURFACE TO SURFACE

-10/2/2023 - DRESS TOC PLUG 2942' - 3290'
 -CONTINUE DRILLING OPERATIONS
 10/4/2023 - DRILL 9.875" INTERMEDIATE #2 HOLE TO 5275' MD
 -NOTIFIED BLM OF INTENT TO RUN & CEMENT 8.625" INT #2 CASING
 10/4 - 10/5/2023 - RAN 8.625", 32# HCL-80 MO-FXL CSG SET @ 5251' MD
 10/5/2023 - PUMP 1ST STAGE CEMNT
 LEAD - 190 BBLS (450 SXS) CLASS C @ 2.38 YIELD
 TAIL - 27 BBLS (115 SXS) CLASS C @ 1.32 YIELD
 -DROP PLUG & DISPLACE W/314 BBLS OF FW
 -INFLATED PKR & OPENED DV TOOL
 -PUMP 2ND STAGE CEMENT JOB
 LEAD - 326 BBLS (929 SXS) CLASS C @ 1.97 YIELD
 TAIL - 27 BBLS (115 SXS) CLASS C @ 1.32 YIELD
 **CIRCULATED 13 BBLS (37 SXS) CEMENT TO SURFACE
 -PRESSURE TEST INT #2 CASING TO 1500 PSI; 30 MIN; GOOD TEST
 10/5-10/6/2023 - WOC 24 HOURS
 10/7/2023 - TEST 8.625' INT #2 CASING TO 1500 PSI; 30 MIN; GOOD TEST
 10/14/2023 - DRILL 7.875" PRODUCTION HOLE TO 20,954' TD/10,768' TVD
 10/15/2023 - NOTIFIED BLM OF INTENT TO RUN & CEMENT 5.5" PRODUCTION CASING
 10/16/2023 - RUN 5.5", 20# P-110 RY-VARN CSG SET @ 20,939' MD
 -CEMENT 5.5" PRODUCTION CASING
 LEAD - 342 BBLS (630 SXS) CLASS H @ 3.05 YIELD
 TAIL - 474 BBLS (1380 SXS) CLASS H @ 1.93 YIELD
 **CIRCULATED 124 BLS (228 SXS) CEMENT TO SURFACE
 10/17/2023 - RIG RELEASED
 PRODUCTION CASING PRESSURE TEST WILL BE CONDUCTED PRIOR TO COMPLETIONS OPERATIONS

Location of Well

0. SHL: NENE / 220 FNL / 900 FEL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623651 / LONG: -103.644844 (TVD: 0 feet, MD: 0 feet)
 PPP: NWNE / 100 FNL / 1751 FEL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623684 / LONG: -103.649456 (TVD: 10752 feet, MD: 11234 feet)
 BHL: SWSE / 50 FSL / 1751 FEL / TWSP: 20S / RANGE: 33E / SECTION: 3 / LAT: 32.595174 / LONG: -103.649579 (TVD: 10872 feet, MD: 21072 feet)

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 303429

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 303429
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Pressure test for Intermediate 1 and Production Casing need to be reported on completion sundry.	6/23/2025