

<b>Well Name:</b> LOS VAQUEROS FED	<b>Well Location:</b> T26S / R35E / SEC 30 / NENW / 32.0209798 / -103.4086954	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 442H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM0629320	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002549919	<b>Well Status:</b> Drilling Well	<b>Operator:</b> EARTHSTONE OPERATING LLC

**Notice of Intent**

**Sundry ID:** 2757918

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 10/24/2023

**Time Sundry Submitted:** 02:51

**Date proposed operation will begin:** 10/24/2023

**Procedure Description:** Los Vaqueros Fed 442H The Operator respectfully request permission to change the following intermediate casing & cement design from what was originally approved in the APD. Please see attached design change.

**NOI Attachments**

**Procedure Description**

Los\_Vaqueros\_Fed\_442H\_20231024145054.pdf

Well Name: LOS VAQUEROS FED

Well Location: T26S / R35E / SEC 30 / NENW / 32.0209798 / -103.4086954

County or Parish/State: LEA / NM

Well Number: 442H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0629320

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002549919

Well Status: Drilling Well

Operator: EARTHSTONE OPERATING 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: JENNIFER ELROD

Signed on: OCT 25, 2023 03:17 PM

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:

**BLM Point of Contact**

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 11/08/2023

Signature: Chris Walls

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. **NMNM0629320**

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 30/T26S/R35E/NMP**

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

8. Well Name and No. **LOS VAQUEROS FED/442H**

9. API Well No. **3002549919**

10. Field and Pool or Exploratory Area  
**JABALINA/WOLFCAMP, SOUTHWEST**

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 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 checked="" 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.)

Los Vaqueros Fed 442H

The Operator respectfully request permission to change the following intermediate casing & cement design from what was originally approved in the APD.

Please see attached design change.

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 **10/25/2023**

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

Approved by  
**CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved**

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.

Title **Petroleum Engineer**

Office **CARLSBAD**

Date **11/08/2023**

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**

**Location of Well**

0. SHL: NENW / 211 FNL / 1986 FWL / TWSP: 26S / RANGE: 35E / SECTION: 30 / LAT: 32.0209798 / LONG: -103.4086954 ( TVD: 0 feet, MD: 0 feet )

PPP: NENW / 100 FNL / 1650 FWL / TWSP: 26S / RANGE: 35E / SECTION: 30 / LAT: 32.0212868 / LONG: -103.4090856 ( TVD: 12239 feet, MD: 12250 feet )

BHL: LOT 3 / 0 FSL / 1650 FWL / TWSP: 26S / RANGE: 35E / SECTION: 31 / LAT: 32.0003168 / LONG: -103.4090852 ( TVD: 12495 feet, MD: 19986 feet )

CONFIDENTIAL

Los Vaqueros Fed 442H

The Operator respectfully request permission to change the following intermediate casing & cement design to:

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body Tension	SF Joint Tension
	From	To								
9.875"	0	8,000'	7.625"	29.7	L80 HC	BTC	2.23	2.28	2.87	2.87
8.75"	8000	12,000'	7.625"	29.7	ICY P110	MO-FXL	1.76	1.56	13.34	6.29
Casing	# Sks	Wt. lb/gal	Yld ft3/sack	H <sub>2</sub> O gal/sk	500# Comp. Strength (hours)	Slurry Description				
Intermediate	870	10.3	3.65	9.6	8	Lead: 35:65:6 C Blend				
	80	16.4	1.27	6.34	6	Tail: Class H				



## API 5CT Casing Performance Data Sheet

Manufactured to specifications of API 5CT 9th edition and bears the API monogram.  
Designed for enhanced performance through increased collapse resistance.

Grade	L80EHC
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### Pipe Body Mechanical Properties

Minimum Yield Strength	80,000 psi
Maximum Yield Strength	95,000 psi
Minimum Tensile Strength	95,000 psi
Maximum Hardness	23.0 HRC

### Sizes

OD	7 5/8 in
Nominal Wall Thickness	0.375 in
Nominal Weight, T&C	29.70 lb/ft
Nominal Weight, PE	29.06 lb/ft
Nominal ID	6.875 in
Standard Drift	6.750 in
Alternate Drift	N/A

### Minimum Performance

Collapse Pressure	6,220 psi
Internal Pressure Yield	6,880 psi
Pipe body Tension Yield	683,000 lbs
Internal pressure leak resistance STC/LTC connections	6,880 psi
Internal pressure leak resistance BTC connections	6,880 psi

### Inspection and Testing

Visual	OD Longitudinal and independent 3rd party SEA
NDT	Independent 3rd party full body EMI after hydrotest Calibration notch sensitivity: 10% of specified wall thickness

### Color code

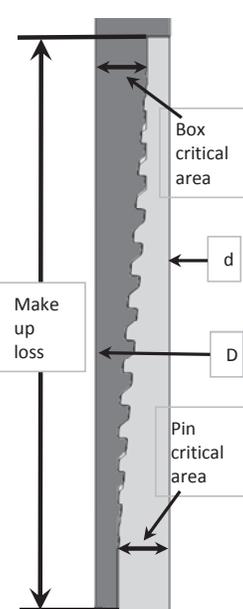
Pipe ends	One white and two blue bands
Couplings	Red with one brown band

<b>Metal One Corp.</b>  	<b>MO-FXL</b>		Page	
	<b>Connection Data Sheet</b>		Date	3-Feb-17
			Rev.	1

Geometry		<u>Imperial</u>		<u>S.I.</u>	
<b>MO-FXL</b>	<b>Pipe Body</b>				
	Grade *1	ICY P110		ICY P110	
	Pipe OD ( D )	7 5/8	in	193.68	mm
	Weight	29.70	lb/ft	44.25	kg/m
	Actual weight	29.04		43.26	kg/m
	Wall Thickness ( t )	0.375	in	9.53	mm
	Pipe ID ( d )	6.875	in	174.63	mm
	Pipe body cross section	8.537	in <sup>2</sup>	5,508	mm <sup>2</sup>
	Drift Dia.	6.750	in	171.45	mm
	<b>Connection</b>				
Box OD ( W )	7.625	in	193.68	mm	
PIN ID	6.875	in	174.63	mm	
Make up Loss	4.219	in	107.16	mm	
Box Critical Area	5.714	in <sup>2</sup>	3686	mm <sup>2</sup>	
Joint load efficiency	70	%	70	%	
Thread Taper	1 / 10 ( 1.2" per ft )				
Number of Threads	5 TPI				



Performance				
<b>Performance Properties for Pipe Body</b>				
S.M.Y.S. *1	1,067	kips	4,747	kN
M.I.Y.P. *1	10,760	psi	74.21	MPa
Collapse Strength *1	7,360	psi	50.76	MPa
Note S.M.Y.S.= Specified Minimum YIELD Strength of Pipe body M.I.Y.P. = Minimum Internal Yield Pressure of Pipe body *1 Based on Boomerang ICY P110				
<b>Performance Properties for Connection</b>				
Tensile Yield load	747 kips ( 70% of S.M.Y.S. )			
Min. Compression Yield	747 kips ( 70% of S.M.Y.S. )			
Internal Pressure	8,610 psi ( 80% of M.I.Y.P. )			
External Pressure	100% of Collapse Strength			
Max. DLS ( deg./100ft)	31			

Recommended Torque				
Min.	15,500	ft-lb	21,000	N-m
Opti.	17,200	ft-lb	23,300	N-m
Max.	18,900	ft-lb	25,600	N-m
Operational Max.	23,600	ft-lb	32,000	N-m

Note : Operational Max. torque can be applied for high torque application

**Legal Notice**  
 The use of this information is at the reader/user's risk and no warranty is implied or expressed by Metal One Corporation or its parents, subsidiaries or affiliates (herein collectively referred to as "Metal One") with respect to the use of information contained herein. The information provided on this Connection Data Sheet is for informational purposes only, and was prepared by reference to engineering information that is specific to the subject products, without regard to safety-related factors, all of which are the sole responsibility of the operators and users of the subject connectors. Metal One assumes no responsibility for any errors with respect to this information.

Statements regarding the suitability of products for certain types of applications are based on Metal One's knowledge of typical requirements that are often placed on Metal One products in standard well configurations. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application

The products described in this Connection Data Sheet are not recommended for use in deep water offshore applications. For more information, please refer to [http://www.mtlo.co.jp/mo-con/ images/top/WebsiteTerms\\_Active\\_20333287\\_1.pdf](http://www.mtlo.co.jp/mo-con/ images/top/WebsiteTerms_Active_20333287_1.pdf) the contents of which are incorporated by reference into this Connection Data Sheet.

**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 303418

**CONDITIONS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 303418
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	None	2/16/2024