

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.

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

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

11. Country or Parish, State

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 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 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)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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

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.

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Additional Information

Additional Remarks

*SEE ATTACHED WBD AND CASING CALCULATOR

Location of Well

CONFIDENTIAL

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

Well Name: LONESOME DOVE FED COM	Well Location: T26S / R35E / SEC 17 / NWSE / 32.0429924 / -103.3872472	County or Parish/State: LEA / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110841	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254815200X1	Well Status: Approved Application for Permit to Drill	Operator: EARTHSTONE OPERATING LLC

Notice of Intent

Sundry ID: 2697394

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/11/2022

Time Sundry Submitted: 07:44

Date proposed operation will begin: 10/11/2022

Procedure Description: SUNDRY TO REVISE CASING DESIGN SURFACE FROM: 17.5" HOLE, 13.375", 54.5# J-55 STC SET @ 1060' MD TO: 14.75" HOLE, 10.75", 45.5# J-55 BTC SET @ 1135' MD INTERMEDIATE FROM: 12.25" HOLE, 9.625", 40# J-55 LTC TO: 9/875" HOLE, 8.625", 32# L80 EHC MO-FXL PRODUCTION FROM: 8.75" HOLE, 5.5" 17# P-110 LTC TO: 7.875" HOLE, 5.5" 20# VAHC P-110 RY VARN *SEE ATTACHED WBD AND CASING CALCULATOR

NOI Attachments

Procedure Description

CDS_FXL_8_625_32_BMP_L80EHC_Feb04_2022_20221011074348.pdf

550_20_HCP110_125k_Min_GBCD_Butt_6.300_20221011074350.pdf

ESTE_Energy___Lonesome_Dove_Fed_Com_203H___WBD_20221011074348.pdf

Casing_Calculator___Lonesome_Dove_Fed_Com_203H_20221011074348.pdf

Well Name: LONESOME DOVE FED COM

Well Location: T26S / R35E / SEC 17 / NWSE / 32.0429924 / -103.3872472

County or Parish/State: LEA / NM

Well Number: 213H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110841

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254815200X1

Well Status: Approved Application for Permit to Drill

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 11, 2022 07:44 AM

Name: EARTHSTONE OPERATING LLC

Title: Senior Regulatory Technician

Street Address: 1400 WOODLOCH FOREST DR STE 300

City: THE WOODLANDS **State:** TX

Phone: (817) 953-3728

Email address: JELROD@EARTHSTONEENERGY.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: 12/19/2022

Signature: Chris Walls

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(June 2019)

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Additional Information

Additional Remarks

CHANGE BHL
FROM: 10' FNL, 2307' FEL
TO: 10' FNL, 1650 'FEL

Location of Well

0. SHL: NWSE / 2530 FSL / 1957 FEL / TWSP: 26S / RANGE: 35E / SECTION: 17 / LAT: 32.0429924 / LONG: -103.3872472 (TVD: 0 feet, MD: 0 feet)
PPP: SWSE / 0 FSL / 2310 FEL / TWSP: 26S / RANGE: 35E / SECTION: 8 / LAT: 32.050559 / LONG: -103.3884 (TVD: 10915 feet, MD: 14500 feet)
BHL: NWNE / 10 FNL / 2307 FEL / TWSP: 26S / RANGE: 35E / SECTION: 8 / LAT: 32.0650543 / LONG: -103.3884145 (TVD: 10867 feet, MD: 19803 feet)

CONFIDENTIAL

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT
NAME CHANGE, FTP,LTP,BHL

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 32-025-48152		2 Pool Code 96672		3 Pool Name WC-025 G-08 S263412K; Bone Spring	
4 Property Code 329881		5 Property Name LONESOME DOVE FED COM			6 Well Number 213H
7 OGRID No. 331165		8 Operator Name EARTHSTONE OPERATING LLC			9 Elevation 3212'

10 Surface Location

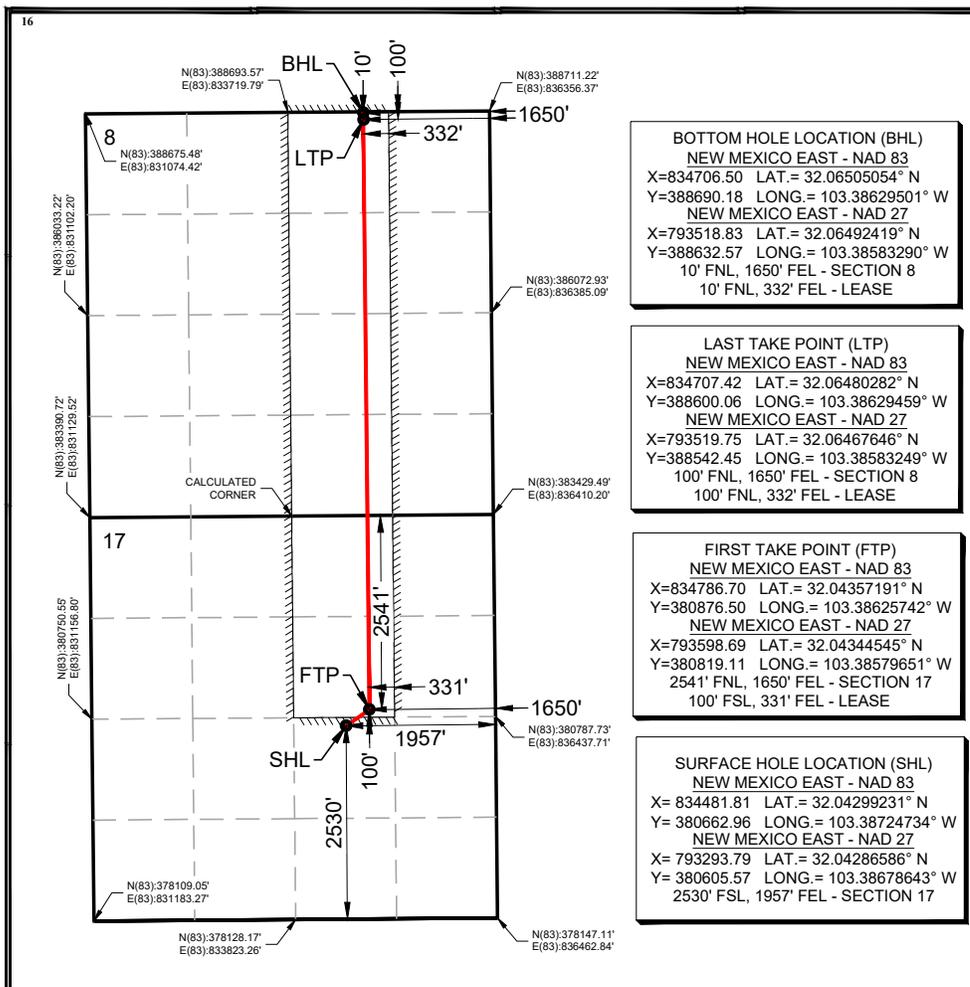
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	26-S	35-E		2530'	SOUTH	1957'	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	26-S	35-E		10'	NORTH	1650'	EAST	LEA

12 Dedicated Acres 240	13 Joint or Infill Y	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=834706.50 LAT.= 32.06505054° N
Y=388690.18 LONG.= 103.38629501° W
NEW MEXICO EAST - NAD 27
X=793518.83 LAT.= 32.06492419° N
Y=388632.57 LONG.= 103.38583290° W
10' FNL, 1650' FEL - SECTION 8
10' FNL, 332' FEL - LEASE

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=834707.42 LAT.= 32.06480282° N
Y=388600.06 LONG.= 103.38629459° W
NEW MEXICO EAST - NAD 27
X=793519.75 LAT.= 32.06467646° N
Y=388542.45 LONG.= 103.38583249° W
100' FNL, 1650' FEL - SECTION 8
100' FNL, 332' FEL - LEASE

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=834786.70 LAT.= 32.04357191° N
Y=380876.50 LONG.= 103.38625742° W
NEW MEXICO EAST - NAD 27
X=793598.69 LAT.= 32.04344545° N
Y=380819.11 LONG.= 103.38579651° W
2541' FNL, 1650' FEL - SECTION 17
100' FSL, 331' FEL - LEASE

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X= 834481.81 LAT.= 32.04299231° N
Y= 380662.96 LONG.= 103.38724734° W
NEW MEXICO EAST - NAD 27
X= 793293.79 LAT.= 32.04286586° N
Y= 380605.57 LONG.= 103.38678643° W
2530' FSL, 1957' FEL - SECTION 17

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey 10/26/2022

Signature and Seal of Professional Surveyor

Charles M. Jurica
NEW MEXICO
25490
PROFESSIONAL SURVEYOR

Certificate Number

Intent As Drilled

API #									
Operator Name:					Property Name:				Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #									
Operator Name:					Property Name:				Well Number

KZ 06/29/2018

API # 30-025-48152

Updated: 10/10/2022

TVD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	OH Evaluation/Logs
1,000'	1,035 Rustler		14-3/4"	Surface 10-3/4" 45.5# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 38 - 40 Vis 8 - 10 PV 8 - 10 YP	Top of Lead: Surface 12.0 ppg 1.86 cuft/sk 330 sks - 60% XS Top of Tail: 635' 14.8 ppg 1.34 cuft/sk 350 sks - 50% XS	NA
2,000'	1,551 Top of Salt		9-7/8"	Intermediate 8-5/8" 32# L80EHC MO-FXL	Brine 9.8 - 10.2 ppg 28 - 32 Vis 1 - 3 PV 1 - 3 YP	Top of Lead: Surface 11.5 ppg 2.43 cuft/sk 390 sks - 65% XS Top of Tail: 4,895' 14.8 ppg 1.34 cuft/sk 90 sks - 50% XS	NA
5,000'	5,009 Base of Salt 5,367 Lamar 5391 Bell Canyon		7-7/8" to KOP, Curve & Lateral	Production 5-1/2" 20# P110 HC BTC	& Lateral OBM 9.3 - 9.5 ppg 15 - 20 PV 8 - 12 YP	Top of Lead: 4,895' 11.3 ppg 2.62 cuft/sk 460 sks - 35% XS Top of Tail: 10,089' 13.2 ppg 1.82 cuft/sk 1,250 sks - 35% XS	GR from Under Intermediate to TD
6,000'	6,426 Cherry anyon						
7,000'	7,799 Brushy Canyon						
8,000'							
9,000'							
10,000'	9,278 Bone Spring Lime 9,337 Upper Avalon Shale 10,476 1st Bone Spring Sand	KOP -10,589' MD 10517' TVD LP - 11,339' MD 10,990' TVD					19,803' MD 10,867' TVD
11,000'	11,015 2nd Bone Spring Sand						

Well Name: LONESOME DOVE FED COM	Well Location: T26S / R35E / SEC 17 / NWSE / 32.0429924 / -103.3872472	County or Parish/State: LEA / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name:
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Signed on: OCT 11, 2022 07:44 AM

Name: EARTHSTONE OPERATING LLC

Title: Senior Regulatory Technician

Street Address: 1400 WOODLOCH FOREST DR STE 300

City: THE WOODLANDS **State:** TX

Phone: (817) 953-3728

Email address: JELROD@EARTHSTONEENERGY.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

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Disposition: Approved

Disposition Date: 12/19/2022

Signature: Chris Walls

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 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 195384

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 195384
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	3/9/2023