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.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM17238

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. ANACONDA 11-14 FED 1BS COM/5

2. Name of Operator EARTHSTONE OPERATING LLC

9. API Well No. 3002550430

3a. Address 1400 WOODLOCH FOREST DRIVE SUITE 300,

3b. Phone No. *(include area code)* (281) 298-4240

10. Field and Pool or Exploratory Area 1st BONE SPRING/TEAS; BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 11/T20S/R33E/NMP

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			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 perfonned 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 detennined that the site is ready for final inspection.)

APD CHANGE: WELL NAME & NUMBER, SHL, FTP, LTP, BHL
WELL NAME & NUMBER
FROM: ANACONDA 11-14 FED 1BS COM 5H
TO: ANACONDA FED COM 224H

SURFACE HOLE LOCATION
FROM: B-11-20S-33E; 250 FNL, 1400 FEL
TO: B-11-20S-33E; 230 FNL, 1430 FEL

FIRST TAKE POINT
FROM: B-11-20S-33E; 100 FNL, 1775 FEL
TO: A-11-20S-33E; 100 FNL, 820 FEL

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* JENNIFER ELROD / Ph: (817) 953-3728

Title Senior Regulatory Technician

Signature

Date 05/30/2023

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 08/04/2023

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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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

LAST TAKE POINT

FROM: O-14-20S-33E; 100 FSL, 1775 FEL

TO: P-14-20S-33E; 100 FSL, 820 FEL

BOTTOM HOLE LOCATION

FROM: O-14-20S-33E; 100 FSL, 1775 FEL

TO: P-14-20S-33E; 50 FSL, 820 FEL

Location of Well

0. SHL: NWNE / 250 FNL / 1400 FEL / TWSP: 20S / RANGE: 33E / SECTION: 11 / LAT: 32.5942482 / LONG: -103.6298887 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 100 FNL / 1775 FEL / TWSP: 20S / RANGE: 33E / SECTION: 11 / LAT: 32.5946615 / LONG: -103.631106 (TVD: 9395 feet, MD: 9735 feet)

PPP: NWSE / 2630 FSL / 1775 FEL / TWSP: 20S / RANGE: 33E / SECTION: 11 / LAT: 32.587556 / LONG: -103.531052 (TVD: 9413 feet, MD: 12285 feet)

PPP: NWNE / 10 FNL / 1775 FEL / TWSP: 20S / RANGE: 33E / SECTION: 14 / LAT: 32.580246 / LONG: -103.630996 (TVD: 9431 feet, MD: 14905 feet)

BHL: SWSE / 100 FSL / 1775 FEL / TWSP: 20S / RANGE: 33E / SECTION: 14 / LAT: 32.5661721 / LONG: -103.6311059 (TVD: 9463 feet, MD: 19484 feet)

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

[X] AMENDED REPORT
NAME,WELL NUMBER,SHL, FTP, LTP, BHL

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-50430	58960	TEAS; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
	ANACONDA FED COM	224H

[7] OGRID No.	[8] Operator Name	[9] Elevation
331165	EARTHSTONE OPERATING, LLC	3590.9

[10] Surface Location

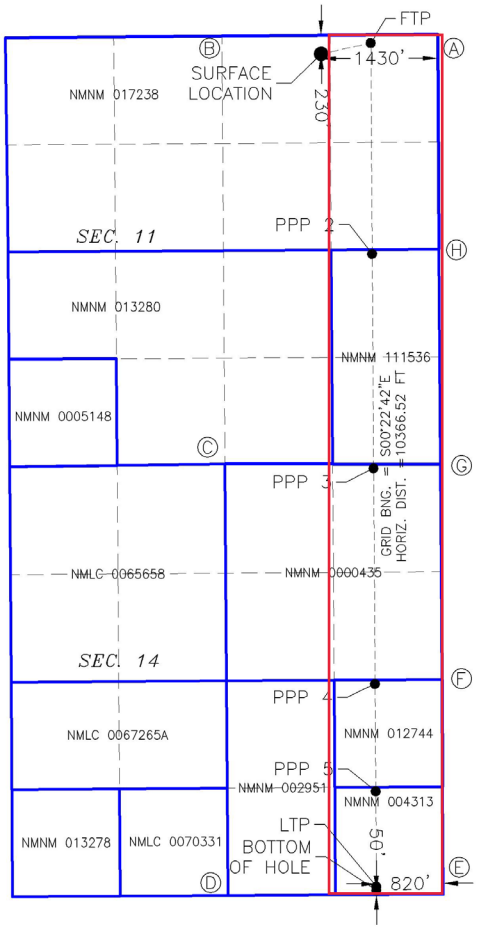
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	20 S	33 E		230	NORTH	1430	EAST	LEA

[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
P	14	20 S	33 E		50	SOUTH	820	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320			

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.



ANACONDA FED COM 224H
EL. = 3590.9

GEODETIC COORDINATES NAD 27 NMSP EAST	GEODETIC COORDINATES NAD 83 NMSP EAST
SURFACE LOCATION	SURFACE LOCATION
N.= 580591.78	N.= 580654.43
E.= 716770.52	E.= 757951.03
LAT. = 32.5941806°N	LAT. = 32.5943031°N
LONG. = 103.6294925°W	LONG. = 103.6299860°W
FIRST TAKE POINT	FIRST TAKE POINT
100' FNL, 820' FEL	100' FNL, 820' FEL
N.= 580725.10	N.= 580787.77
E.= 717379.52	E.= 758560.03
LAT. = 32.5945359°N	LAT. = 32.5946585°N
LONG. = 103.6275124°W	LONG. = 103.6280058°W
LAST TAKE POINT	LAST TAKE POINT
100' FSL, 820' FEL	100' FSL, 820' FEL
N.= 570361.21	N.= 570423.57
E.= 717447.67	E.= 758628.48
LAT. = 32.5660482°N	LAT. = 32.5661708°N
LONG. = 103.6275143°W	LONG. = 103.6280067°W
BOTTOM OF HOLE	BOTTOM OF HOLE
NAD 27 NMSP EAST	NAD 83 NMSP EAST
N.= 570311.22	N.= 570373.58
E.= 717447.99	E.= 758628.80
LAT. = 32.5659108°N	LAT. = 32.5660334°N
LONG. = 103.6275143°W	LONG. = 103.6280067°W
PPP 2	PPP 2
2585' FSL, 820' FEL	2585' FSL, 820' FEL
NAD 27 NMSP EAST	NAD 83 NMSP EAST
N.= 578134.21	N.= 578196.80
E.= 717396.56	E.= 758577.15
LAT. = 32.5874142°N	LAT. = 32.5875368°N
LONG. = 103.6275128°W	LONG. = 103.6280060°W
PPP 3	PPP 3
50' FNL, 820' FEL	50' FNL, 820' FEL
NAD 27 NMSP EAST	NAD 83 NMSP EAST
N.= 575499.86	N.= 575562.37
E.= 717413.89	E.= 758594.55
LAT. = 32.5801730°N	LAT. = 32.5802957°N
LONG. = 103.6275133°W	LONG. = 103.6280063°W
PPP 4	PPP 4
2590' FSL, 820' FEL	2590' FSL, 820' FEL
NAD 27 NMSP EAST	NAD 83 NMSP EAST
N.= 572850.88	N.= 572913.31
E.= 717431.30	E.= 758612.03
LAT. = 32.5728917°N	LAT. = 32.5730143°N
LONG. = 103.6275139°W	LONG. = 103.6280065°W
PPP 5	PPP 5
1270' FSL, 820' FEL	1270' FSL, 820' FEL
NAD 27 NMSP EAST	NAD 83 NMSP EAST
N.= 571531.07	N.= 571593.46
E.= 717439.98	E.= 758620.75
LAT. = 32.5692638°N	LAT. = 32.5693865°N
LONG. = 103.6275141°W	LONG. = 103.6280066°W

CORNER COORDINATES TABLE NAD 27 NMSP EAST	CORNER COORDINATES TABLE NAD 83 NMSP EAST
A – N.= 580829.56 E.= 718198.68	A – N.= 580892.23 E.= 759379.19
B – N.= 580815.07 E.= 715550.58	B – N.= 580877.72 E.= 756731.07
C – N.= 575552.40 E.= 715587.12	C – N.= 575614.90 E.= 756767.76
D – N.= 570250.11 E.= 715622.97	D – N.= 570312.46 E.= 756803.76
E – N.= 570266.22 E.= 718268.13	E – N.= 570328.58 E.= 759448.94
F – N.= 572906.44 E.= 718251.04	F – N.= 572968.88 E.= 759431.78
G – N.= 575548.70 E.= 718233.61	G – N.= 575611.22 E.= 759414.28
H – N.= 578189.13 E.= 718216.15	H – N.= 578251.72 E.= 759396.74

[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.

Jennifer Elrod 05/26/2023
Signature Date

JENNIFER ELROD
Printed Name

jelrod@earthstoneenergy.com
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.

APRIL 20, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: FERMIN F. JARAMILLO, LS 12797
SURVEY NO. 8931A

Intent [X] As Drilled [ ]

API #
30-025-50430

Operator Name:	Property Name:	Well Number
EARTHSTONE OPERATING, LLC	ANACONDA FED COM	224H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	11	20S	33E		230	NORTH	1430	EAST	LEA

Latitude	Longitude	NAD
32.5943031	103.6299860	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	11	20S	33E		100	NORTH	820	EAST	LEA

Latitude	Longitude	NAD
32.5946585	103.6280058	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	14	20S	E		100	SOUTH	820	EAST	LEA

Latitude	Longitude	NAD
32.5661708	103.6280067	83

Is this well the defining well for the Horizontal Spacing Unit? NO

Is this well an infill well? YES

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

API #
30-025-48540

Operator Name:	Property Name:	Well Number
EARTHSTONE OPERATING, LLC	ANACONDA 11 14 FED 3BS COM	7H

KZ 06/29/2018

Earthstone Operating LLC - Anaconda Fed Com 224H

1. Geologic Formations

TVD of target	10,390' EOL	Kick Off Depth	9,732'
MD at TD:	20,537'	Deepest expected fresh water:	110'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1387	Water	
Salado	1748	Salt	
Yates	3327	Salt	
7 Rivers	3417	Salt Water	
Capitan Reef	3786	Water	
Cherry Canyon	5388	Oil/Gas	
Brushy Canyon	6628	Oil/Gas	
Top BSPG Lime	8303	Oil/Gas	
1st BSPG Ss	9358	Oil/Gas	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.	SF	SF Burst	SF Body	SF Joint
	From	To		(lbs)			Collapse		Tension	Tension
17.5"	0	1415	13.375"	54.5	J55	BTC	1.74	4.76	21.85	20.70
12.25"	0	3530	10.75"	45.5	J55	BTC Spl CC	2.16	4.25	6.48	6.62
9.875"	0	5465	8.625"	32	L80 EHC	MO-FXL	2.49	1.80	4.31	2.98
7.875"	0	20,537	5.5"	20	P110 RY	VARN	2.42	3.09	3.08	3.08
						BLM Minimum Safety Factor	1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Intermediate burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface.
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Earthstone Operating LLC - Anaconda Fed Com 224H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	Y
Is well within the designated 4 string boundary?	Y
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	Y
If yes, are the first three strings cemented to surface?	Y
Is 2nd string set 100' to 600' below the base of salt?	Y
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Earthstone Operating LLC - Anaconda Fed Com 224H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	530	12.5	1.83	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	460	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Inter. 1	410	12.7	2.0	9.6	16	Lead: 35:65:6 C Blend
	110	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl
Inter. 2, Stage 1	130	12.7	1.98	10.6	16	Lead: 35:65:6 C Blend
	80	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl
DV/ECP @ 3670						
Inter. 2, Stage 2	220	12.7	2.0	10.6	16	Lead: Class C + 4% Gel + 1% CaCl2
	60	14.8	1.35	6.34	8	Tail: Class C + 2% CaCl
5.5 Prod	600	11.9	2.5	19	72	Lead: 50:50:10 H Blend
	2180	14.4	1.24	5.7	19	Tail: 50:50:2 Class H Blend

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC Lead	TOC Tail	% Excess
Surface	0'	915	50%
1st Intermediate	0'	3,030	50%
2nd Intermediate	0'	4,965	50%
Production	3,286	9,232	35% OH in Lateral (KOP to EOL) – 40% OH in Vertical

Earthstone Operating LLC - Anaconda Fed Com 224H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12.25	13-5/8"	2M	Annular	x	1500 psi
			Blind Ram	x	2M
			Pipe Ram	x	
			Double Ram		
			Other*		
9.875	13-5/8"	2M	Annular	x	1500 psi
			Blind Ram	x	2M
			Pipe Ram	x	
			Double Ram		
			Other*		
7-7/8”	13-5/8”	3M	Annular	x	2500 psi
			Blind Ram	x	3M
			Pipe Ram	x	
			Double Ram		
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
	N Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

Earthstone Operating LLC - Anaconda Fed Com 224H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf. Shoe	10-3/4" Shoe	Saturated Brine	9.8 - 10.2	28-34	N/C
10-3/4" Shoe	8-5/8" Int shoe	Saturated Brine	8.4 - 8.6	28-34	N/C
8-5/8" Int shoe	Lateral TD	OBM	9 - 9.5	45 - 65	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

Earthstone Operating LLC - Anaconda Fed Com 224H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	5135 psi at 10390' TVD
Abnormal Temperature	NO 160 Deg. F.

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
Y	Is casing pre-set?

x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

Planning Report

Database:	LEAM Multi_User Db	**Local Co-ordinate Reference:**	Well Anaconda Fed Com 224H
Company:	Earthstone Operating, LLC	**TVD Reference:**	GE 3590.9' + KB 27.5' @ 3618.40usft
Project:	Lea County, NM (NAD 27)	**MD Reference:**	GE 3590.9' + KB 27.5' @ 3618.40usft
Site:	Anaconda Fed Com Pad	**North Reference:**	Grid
Well:	Anaconda Fed Com 224H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project Lea County, NM (NAD 27)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Anaconda Fed Com Pad

Site Position:		**Northing:**	580,591.78 usft	**Latitude:**	32° 35' 39.05 N
From:	Map	**Easting:**	716,770.52 usft	**Longitude:**	103° 37' 46.17 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.38 °

Well Anaconda Fed Com 224H

Well Position	**+N/-S**	0.00 usft	**Northing:**	580,591.78 usft	**Latitude:**	32° 35' 39.05 N
	+E/-W	0.00 usft	**Easting:**	716,770.52 usft	**Longitude:**	103° 37' 46.17 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,590.90 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	7/16/2023	6.33	60.37	47,723.40000000

Design Plan #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.62

Plan Survey Tool Program **Date** 5/16/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,537.35	Plan #1 (OH)	OWSG_Rev2_MWD+HRGM	
				OWSG MWD + HRGM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,841.35	4.83	72.07	2,841.07	3.13	9.67	2.00	2.00	0.00	72.07	
9,732.40	4.83	72.07	9,707.67	181.62	561.39	0.00	0.00	0.00	0.00	
10,641.35	89.44	179.62	10,293.28	-385.25	611.84	10.00	9.31	11.83	107.53	
20,537.35	89.44	179.62	10,390.00	-10,280.56	677.47	0.00	0.00	0.00	0.00	PBHL (Anaconda 224

Planning Report

Database:	LEAM Multi_User Db	**Local Co-ordinate Reference:**	Well Anaconda Fed Com 224H
Company:	Earthstone Operating, LLC	**TVD Reference:**	GE 3590.9' + KB 27.5' @ 3618.40usft
Project:	Lea County, NM (NAD 27)	**MD Reference:**	GE 3590.9' + KB 27.5' @ 3618.40usft
Site:	Anaconda Fed Com Pad	**North Reference:**	Grid
Well:	Anaconda Fed Com 224H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL (Anaconda 224H)									
1,387.40	0.00	0.00	1,387.40	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,748.40	0.00	0.00	1,748.40	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,841.35	4.83	72.07	2,841.07	3.13	9.67	-3.06	2.00	2.00	0.00
3,329.42	4.83	72.07	3,327.40	15.77	48.74	-15.45	0.00	0.00	0.00
Yates									
3,419.74	4.83	72.07	3,417.40	18.11	55.97	-17.74	0.00	0.00	0.00
7 Rivers									
3,790.05	4.83	72.07	3,786.40	27.70	85.62	-27.13	0.00	0.00	0.00
Capitan Reef									
5,397.75	4.83	72.07	5,388.40	69.34	214.34	-67.92	0.00	0.00	0.00
Cherry Canyon									
6,642.17	4.83	72.07	6,628.40	101.58	313.97	-99.49	0.00	0.00	0.00
Brushy Canyon									
8,323.13	4.83	72.07	8,303.40	145.12	448.56	-142.14	0.00	0.00	0.00
Top BSPG Lime									
9,381.88	4.83	72.07	9,358.40	172.54	533.32	-169.00	0.00	0.00	0.00
1st BSPG Ss									
9,682.95	4.83	72.07	9,658.40	180.34	557.43	-176.64	0.00	0.00	0.00
2nd BSPG Carb									
9,732.40	4.83	72.07	9,707.67	181.62	561.39	-177.89	0.00	0.00	0.00
9,931.96	19.04	166.18	9,903.40	152.29	577.31	-148.46	10.00	7.12	47.16
2nd BSPG Ss									
10,206.28	46.11	175.22	10,132.54	7.56	596.60	-3.60	10.00	9.87	3.30
FTP (Anaconda 224H)									
10,571.81	82.51	179.06	10,288.40	-315.93	611.04	319.97	10.00	9.96	1.05
Target									
10,641.35	89.44	179.62	10,293.28	-385.25	611.84	389.30	10.00	9.97	0.81
PPP2 (Anaconda 224H)									
15,348.35	89.44	179.62	10,339.28	-5,091.92	643.06	5,096.07	0.00	0.00	0.00
PPP3 (Anaconda 224H)									
19,317.42	89.44	179.62	10,378.08	-9,060.71	669.38	9,064.95	0.00	0.00	0.00
PPP4 (Anaconda 224H)									
20,487.36	89.44	179.62	10,389.51	-10,230.57	677.14	10,234.84	0.00	0.00	0.00
LTP (Anaconda 224H)									
20,537.35	89.44	179.62	10,390.00	-10,280.56	677.47	10,284.83	0.00	0.00	0.00
PBHL (Anaconda 224H)									

Planning Report

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Site:	Anaconda Fed Com Pad	**North Reference:**	Grid
Well:	Anaconda Fed Com 224H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,387.40	1,387.40	Rustler			
1,748.40	1,748.40	Salado			
3,329.42	3,327.40	Yates			
3,419.74	3,417.40	7 Rivers			
3,790.05	3,786.40	Capitan Reef			
5,397.75	5,388.40	Cherry Canyon			
6,642.17	6,628.40	Brushy Canyon			
8,323.13	8,303.40	Top BSPG Lime			
9,381.88	9,358.40	1st BSPG Ss			
9,682.95	9,658.40	2nd BSPG Carb			
9,931.96	9,903.40	2nd BSPG Ss			
10,571.81	10,288.40	Target			

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 249434

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 249434
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/2/2023