Form 3160-3 (June 2015) UNITED STATI DEPARTMENT OF THE BUREAU OF LAND MAN APPLICATION FOR PERMIT TO	es JA interioi MARPED	DCD ARI	ESIA	OMB No Expires: Ja	APPROVED o. 1004-0137 muary 31, 2018 or Tribe Name
Ib. Type of Well:    Ic. Type of Completion:   Hydraulic Fracturing	REENTER Other Single Zone	✔ Multiple Zone		8. Lease Name and CHAIN-BLUE LIGH	
2. Name of Operator XTO ENERGY INCORPORATED				9. API Well No.	15-46150
3a. Address 2277 Springwoods Village Parkway Spring TX 77389	3b. Phone (432)620-	No. <i>(include area co</i> 6700	de)	10. Field and Pool, of PURPLE SAGE W	or Exploratory
<ol> <li>Location of Well (Report location clearly and in accordance At surface SWSE / 330 FSL / 2480 FEL / LAT 32.109 At proposed prod. zone SWSE / 200 FSL / 2430 FEL /</li> </ol>	007 / LONG -	103.954584	54315	11. Sec., T. R. M. or SEC 23 / T25S / R	Blk. and Survey or Area 29E / NMP
14. Distance in miles and direction from nearest town or post o	ffice*			12. County or Parish EDDY	h 13. State
15. Distance from proposed* 330 feet location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of 1280	acres in lease	17. Spa 320	cing Unit dedicated to th	
<ol> <li>Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> </ol>	19. Propos 10601 fee	ed Depth et / 15712 feet		M/BIA Bond No. in file JTB000138	-
21. Elevations (Show whether DF, KDB, RT, GL. etc.) 3080 feet	22. Appro 09/01/201	ximate date work wil 9	l start*	23. Estimated durati 90 days	on
	24. Atta	chments			
<ul> <li>The following, completed in accordance with the requirements (as applicable)</li> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office</li> </ul>	tem Lands, the	4. Bond to cover t Item 20 above) 5. Operator certifi	he operati	ons unless covered by an	ule per 43 CFR 3162.3-3 n existing bond on file (see may be requested by the
25. Signature (Electronic Submission)		ic (Printed/Typed) hanie Rabadue / P	h: (432)6	20-6714	Date 06/21/2019
Title Regulatory Coordinator					
Approved by (Signature) (Electronic Submission)		e (Printed/Typed) y Layton / Ph: (575)	)234-595	9	Date 10/11/2019
Title Assistant Field Manager Lands & Minerals	Offic CAR	ce LSBAD			
Application approval does not warrant or certify that the application applicant to conduct operations thereon. Conditions of approval, if any, are attached.	ant holds lega	l or equitable title to	those righ	ts in the subject lease wi	hich would entitle the
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, of the United States any false, fictitious or fraudulent statement.					ny department or agency
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#### INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: 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 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

## **Additional Operator Remarks**

#### Location of Well

SHL: SWSE / 330 FSL / 2480 FEL / TWSP: 25S / RANGE: 29E / SECTION: 23 / LAT: 32.10907 / LONG: -103.954584 (TVD: 0 feet, MD: 0 feet)
 PPP: NWNE / 330 FNL / 2430 FWL / TWSP: 25S / RANGE: 29E / SECTION: 26 / LAT: 32.107255 / LONG: -103.954415 (TVD: 10601 feet, MD: 11000 feet)
 BHL: SWSE / 200 FSL / 2430 FEL / TWSP: 25S / RANGE: 29E / SECTION: 26 / LAT: 32.0941 [4 / LONG: -103.954315 (TVD: 10601 feet, MD: 15712 feet)

# **BLM Point of Contact**

Name: Priscilla Perez Title: Legal Instruments Examiner Phone: 5752345934 Email: pperez@blm.gov

Approval Date: 10/11/2019

(Form 3160-3, page 3)

# **Review and Appeal Rights**

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

# Approval Date: 10/11/2019

(Form 3160-3, page 4)

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	XTO Energy, Inc.
LEASE NO.:	NMNM-100554
WELL NAME & NO.:	Chain-Blue Lightning 26 Fed 125H
SURFACE HOLE FOOTAGE:	0330' FSL & 2480' FEL
<b>BOTTOM HOLE FOOTAGE</b>	0200' FSL & 2430' FEL Sec. 26, T. 25 S., R 29 E.
LOCATION:	Section 23, T. 25 S., R 29 E., NMPM
COUNTY:	County, New Mexico

# A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative  $t\phi$  witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
  - □ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.
- Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.

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- 4. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.
- B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

#### Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possibility of water and brine flows in the Salado and Castile. Possibility of lost circulation in the Rustler, Red Beds, and Delaware.

1. The 13-3/8 inch surface casing shall be set at approximately 696 feet (in a competent bed <u>below the Magenta Dolomite</u>, which is a <u>Member of the Rustler</u>, and if salt is encountered, set casing at least 25 feet above the salt and cemented to the surface.

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- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 13-3/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

Intermediate casing shall be kept fluid filled while running into hole to meet BLM minimum collapse requirements.

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

Cement to surface. If cement does not circulate see B.1.a, c-d above.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required through the curve and a minimum of one every other joint.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

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4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

# C. **PRESSURE CONTROL**

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API 53.
- 2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- 3. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

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# 5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

- 4. The appropriate BLM office shall be notified a minimum of hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - a. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
  - b. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
  - c. The results of the test shall be reported to the appropriate BLM office.
  - d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
  - e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
  - f. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

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# D. **DRILLING MUD**

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

# E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

# F. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

#### JAM 093019

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# PECOS DISTRICT SURFACE USE CONDITIONS OF APPROVAL

	XTO Energy Incorporated
WELL NAME & NO.:	Chain-Blue Lightning 26 Fed 125H
SURFACE HOLE FOOTAGE:	330'/S & 2480'/E
BOTTOM HOLE FOOTAGE	200'/S & 2430'/W
LOCATION:	Section 23, T.25 S., R.29 E., NMPM
COUNTY:	Eddy County, New Mexico

# **TABLE OF CONTENTS**

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

General Provisions
Permit Expiration
Archaeology, Paleontology, and Historical Sites
Noxious Weeds
Special Requirements
Hydrology
Texas Hornshell
Construction
Notification
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
<b>Production (Post Drilling)</b>
Well Structures & Facilities
Pipelines
Electric Lines
Interim Reclamation
Final Abandonment & Reclamation

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# I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

# **II. PERMIT EXPIRATION**

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

# **III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES**

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

# **IV. NOXIOUS WEEDS**

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

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# V. SPECIAL REQUIREMENT(S)

#### Hydrology:

The entire well pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. The compacted berm shall be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche). Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed. Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion. Stockpiling of topsoil is required. The top soil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control. If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 <sup>1</sup>/<sub>2</sub> times the content of the largest tank or 24 hour production, whichever is greater. Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

When crossing ephemeral drainages the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons should be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences should be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars should be placed within the ROW to divert and dissipate surface runoff. A pipeline access road is not permitted to cross these ephemeral drainages. Traffic should be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole should not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that would not promote further erosion.

### **Texas Hornshell**

Oil and Gas and Associated Infrastructure Mitigation Measures for Zone D – CCA Boundary Requirements:

- Provide CEHMM with the permit, lease grant, or other authorization form BLM, if applicable.
- Provide CEHMM with plats or other electronic media describing the new surface disturbance for the project.

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# VI. CONSTRUCTION

# A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

# B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

# C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

# D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

#### E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

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#### **Exclosure Fencing**

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

# G. ON LEASE ACCESS ROADS

#### **Road Width**

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

#### Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

#### Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

#### Ditching

Ditching shall be required on both sides of the road.

#### Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

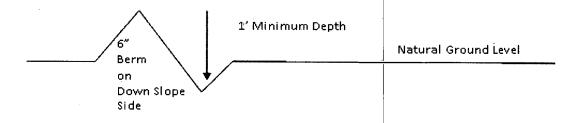
#### Drainage

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Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

#### **Cross Section of a Typical Lead-off Ditch**



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

#### Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: 400' + 100' = 200' lead-off ditch interval 4%

#### Cattle guards

An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

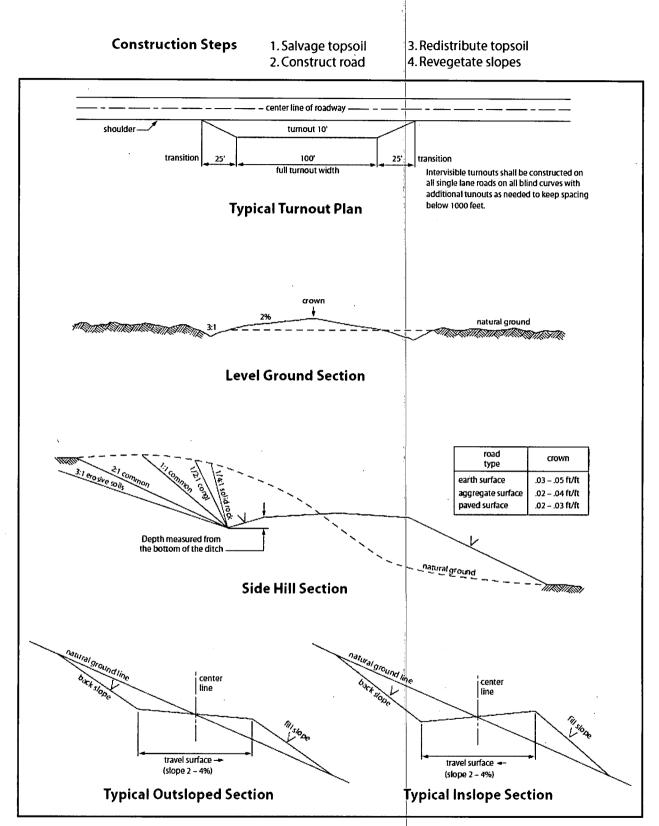
#### **Fence Requirement**

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

#### **Public Access**

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

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# VII. PRODUCTION (POST DRILLING)

# A. WELL STRUCTURES & FACILITIES

#### **Placement of Production Facilities**

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

# **Exclosure Netting (Open-top Tanks)**

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

#### Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

# **Open-Vent Exhaust Stack Exclosures**

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

#### **Containment Structures**

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Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

#### **Painting Requirement**

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, <u>Shale Green</u> from the BLM Standard Environmental Color Chart (CC-001: June 2008).

#### **B. PIPELINES**

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the application (Grant, Sundry Notice, APD) and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, <u>et seq</u>. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, <u>et seq</u>.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

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4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
  - (1) Land clearing.
  - (2) Earth-disturbing and earth-moving work.
  - (3) Blasting.
  - (4) Vandalism and sabotage.
- c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-ofway width of 20 feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline must be installed no farther than 10 feet from the edge of the road or buried pipeline right-of-way. If existing surface pipelines prevent this distance, the proposed surface pipeline must be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity will be confined to existing roads or right-of-ways.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

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# Approval Date: 10/11/2019 .

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.

9. The pipeline shall be buried with a minimum of <u>24</u> inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – Shale Green, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will

be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

16. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, powerline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

17. Surface pipelines must be less than or equal to 4 inches and a working pressure below 125 psi.

#### **BURIED PIPELINE STIPULATIONS**

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 <u>et seq.</u> (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42

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U.S.C. 9601, <u>et seq</u>. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, <u>et seq</u>.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-ofway.

6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be  $\underline{30}$  feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed <u>20</u> feet. The trench is included in this area. (Blading is defined as the complete removal of brush and ground vegetation.)
- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed <u>30</u> feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

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8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately \_\_\_6\_\_\_ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

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12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

( ) seed mixture 1	( ) seed mixture 3
(X) seed mixture 2	( ) seed mixture 4
( ) seed mixture 2/LPC	( ) Aplomado Falcon Mixture

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information

thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. <u>Escape Ramps</u> - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

#### C. ELECTRIC LINES

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

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A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 <u>et seq</u>. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, <u>et seq</u>. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, <u>et seq</u>.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.

5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006. The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to

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the United States.

Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

11. Special Stipulations:

- For reclamation remove poles, lines, transformer, etc. and dispose of properly.
- Fill in any holes from the poles removed.

# VIII. INTERIM RECLAMATION

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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.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

# **IX. FINAL ABANDONMENT & RECLAMATION**

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

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#### Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

Species	l <u>b/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = p ounds pure live seed

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



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# **Operator Certification**

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

		1
NAME: Stephanie Rabadue		Signed on: 05/25/2019
Title: Regulatory Coordinator		
Street Address:		
City:	State:	Zip:
Phone: (432)620-6714		
Email address: stephanie_rabadue	@xtoenergy.com	
Field Representative Representative Name:		
Street Address:		
City: S	tate:	Zip:
Phone:		
Email address:		

# **FMSS**

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Application Data Report

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28-112-

APD ID: 10400042184 Operator Name: XTO ENERGY INCORPORA		Date: 06/21/2019	Highlighted data reflects the most				
Well Name: CHAIN-BLUE LIGHTNING 26 FED		125H	recent changes				
Well Type: OIL WELL	Well Work Ty		Show Final Text				
Section 1 - General	 _						
APD ID: 10400042184	」 Tie to previous NOS?	Submissio	n Date: 06/21/2019				
BLM Office: CARLSBAD	User: Stephanie Rabadue	Title: Regulatory	Coordinator				
Federal/Indian APD: FED	Is the first lease penetrated						
Lease number: NMNM120895	Lease Acres: 1280						
Surface access agreement in place?	Allotted?	Reservation:					
Agreement in place? NO	Federal or Indian agreeme	nt:					
Agreement number:		· .	Ì,				
Agreement name:							
Keep application confidential? NO							
Permitting Agent? NO	APD Operator: XTO ENERG	GY INCORPORATED					
Operator letter of designation:							
Operator Info		1					
Operator Organization Name: XTO ENERGY	INCORPORATED						
Operator Address: 2277 Springwoods Village	Parkway	7					
Operator PO Box:		<b>Zip</b> : 77389					
Operator City: Spring State: T>	(						
<b>Operator Phone:</b> (432)620-6700		\$ 					
<b>Operator Internet Address:</b> Richard_redus@x	toenergy.com						
Section 2 - Well Information	on						
Well in Master Development Plan? NO	Master Developm	ent Plan name:					
Well in Master SUPO? NO	Master SUPO nam	le:					
Well in Master Drilling Plan? NO	Master Drilling Pla	an name:					
Well Name: CHAIN-BLUE LIGHTNING 26 FED	Well Number: 125	H Well API Nu	mber:				
Field/Pool or Exploratory? Field and Pool	Field Name: PURI WOLFCAMP	PLE SAGE Pool Name:					
Is the proposed well in an area containing ot							

Оре	erator	r Nam	ie: X1		IERG		COR	PORATE	Đ										
Well Name: CHAIN-BLUE LIGHTNING 26 FED Well Number:								125H											
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	-	-				-		ction ar		se Existin	-				ew surfa		sturba	nce?	
		Vell P				WELL	•			<b>ultiple We</b> LUE	ll Pad	Name	CHAII	N N	umber: 3	•			
well	Clas	s: HC	RIZC	JNTA	L				N	umber of l	_egs:	1							
		k∕Тур																	
Well Type: OIL WELL Describe Well Type:																			
					TION														
		•Type			TION														
		sub-f						Distanc	e to nearc	st well: 3	S FT		Distan	<b>60</b> 1	o lease l	ino: 3	30 FT		
				ina a	ssiar	ned a			ement: 32		,,,,		Distan		U lease i	ine. u	5011		
	plat:			_	_				52709011										
	•	k star	-		_					uration: 90	DAY	s							
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Surv	ey Ty	ype: F	RECT	ANG	JLAR														
Desc	ribe	Surv	әу Ту	pe:															
Datu	m: N	AD83							Ve	ertical Dat	um: N	AVD88							
Surv	ey nı	umbe	r:	r		T	1	,	Re	eference D	atum	:			r		•	1	
																			Will this well produce from this lease?
		5		5				Tract							ber				ll pro
ore	5	licato	ot	dicat				t/Lot/	e	nde			an	ype	Num	ion			is we
Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	ease Type	Lease Number	Elevation	MD	DVF	/ill thi
SHL	+	1		1	⊢ 25S	1	ഗ 23	≺ Aliquot	تــــــــــــــــــــــــــــــــــــ		EDD	NEW	≥ NEW			ш 308	≥ 0	0	5.5
Leg			0					SWSE		103.9545 84		MEXI CO	MEXI CO		120895	0			
#1 <sub>.</sub> KOP	330	FSL	248	FW	258	29E	23	Aliquot	32.10907		EDD	NEW	NEW	F	NMNM	-	850	850	•
Leg			0	L				SWSE		103.9545		MEXI	MEXI		120895	542	0	0	
#1 PPP	220	FNL	243		250	205	26	Aliquot	32.10725	84 .	EDD		CO NEW	F	NMNM	0	110	106	
Leg	330	FINL	243 0		255	29E	20	NWNE		103.9544	1		MEXI	ſ	100554	- 752	00	106 01	
#1-1										15		со	со			1			

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Operator Name: XTO ENERGY INCORPORATED

Well Number: 125H

Well Name:	CHAIN-BLUE LIGHTNING 26 FED	

						•													
Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	DM	TVD	Will this well produce from this lease?
EXIT Leg #1	330	FSĿ	243 0	FEL	25S	29E	26	Aliquot SWSE	32.09447 1	- 103.9543 17	EDD Y		NEW MEXI CO	F	NMNM 100554	- 752 1	157 00	106 01	
BHL Leg #1	200	FSL	243 0	FEL	25S	29E	26	Aliquot SWSE	32.09411 4	- 103.9543 15	EDD Y		NEW MEXI CO	F	NMNM 100554	- 752 1	157 12	106 01	

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# **FMSS**

Drilling Plan Data Report

12/31/2019

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

APD ID: 10400042184

Operator Name: XTO ENERGY INCORPORATED

Submission Date: 06/21/2019

Highlighted data reflects the most recent changes

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

Show Final Text

Well Type: OIL WELL

Well Work Type: Drill

# Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical		lithologioo	Mineral Resources	Producing
464833	PERMIAN	3080	Depth 0	Depth 0.	Lithologies OTHER : Quaternary	NONE	Formation Y
464824	RUSTLER	2522	556	556	SILTSTONE	USEABLE WATER	N
464825	TOP SALT	2360	718	718	SALT	NONE	N
464826	BASE OF SALT	112	2966	2966	SALT	NONE	N
464822	DELAWARE	-105	3183	3183	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
464823	BONE SPRING	-3852	6930	6930	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
464821	BONE SPRING 1ST	-4795	7873	7873	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
464820	BONE SPRING 2ND	-5102	8180	8180	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
464836	BONE SPRING 3RD	-5914	8992	8992	SANDSTONE	NATURAL GAS, OIL, OTHER, USEABLE WATER : Produced Water	N
464837	WOLFCAMP	-7073	10151	10151	L'IMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER, USEABLE WATER : produced water	Y

# Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 10601

**Equipment:** The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 3179 psi. **Requesting Variance?** YES

**Variance request:** A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

**Testing Procedure:** All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling up on the 9-5/8", the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

Operator Name: XTO ENERGY INCORPORATED

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

# Choke Diagram Attachment:

Chain\_26\_Fed\_5MCM\_20190525075930.pdf

#### **BOP Diagram Attachment:**

Chain\_26\_Fed\_5MBOP\_20190525075937.pdf

# Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	T <sub>0</sub> p Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	696	0	696			696	J-55	54.5	ST&C	3.55	1.18	DRY	13.5 5	DRY	13.5 5
	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	7575	0	7575		•	7575	HCL -80	40	LT&C	1.32	1.79	DRY	2.4	DRY	2.4
	PRODUCTI ON	8.75	5.5	NEW	API	N	0	15712	0	10601			15712	P- 110	17	BUTT	1.35	1.12	DRY	2.59	DRY	2.59

#### **Casing Attachments**

Casing ID: 1 String Type: SURFACE

**Inspection Document:** 

Spec Document:

Tapered String Spec:

#### Casing Design Assumptions and Worksheet(s):

Chain\_26\_Fed\_125H\_Csg\_20190527094524.pdf

Operator Name: XTO ENERGY INCORPORATED	
Well Name: CHAIN-BLUE LIGHTNING 26 FED	Well Number: 125H
· · · · · · · · · · · · · · · · · · ·	
Casing Attachments	
Casing ID: 2 String Type: INTERMEDIATE	
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
Chain_26_Fed_125H_Csg_20190527094540.pdf	
Casing ID: 3 String Type: PRODUCTION	
Inspection Document:	
Spec Document:	
Spec Document.	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
Chain_26_Fed_125H_Csg_20190527094604.pdf	

Section	4 - Ce	emen									
String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	696	290	1.87	12.9	542.3	100	EconoCem- HLTRRC	None
SURFACE	Tail				300	1.35	14.8	405	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	7575	2090	1.88	12.9	3929. 2	100	Halcem-C	2% CaCl
INTERMEDIATE	Tail				230	1.33	14.8	305.9	100	Halcem-C	2% CaCl
PRODUCTION	Lead		0	1569 6	330	2.69	10.5	887.7	30	NeoCem	None

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# Operator Name: XTO ENERGY INCORPORATED

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

Y,

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail				2320	1.61	13.2	3735. 2	30	VersaCem	None

# Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: A Pason or Totco will be used to detect changes in loss or gain of mud volume.

		Circ	ulating Mediu	um Ta	able							
	T		•					1	F			·······
	Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
75	575	1060 1	OTHER : FW / Cut Brine / Polymer	9.8	10.1							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system
	0	697	OTHER : FW/Native	8.4	8.8							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system

# Page 4 of 6

# Operator Name: XTO ENERGY INCORPORATED Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	РН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
697	7575	OTHER : Brine/Gel Sweeps	9.8	10.2							A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system

### Section 6 - Test, Logging, Coring

#### List of production tests including testing procedures, equipment and safety measures:

Open hole logging to include Density/Neutron/PE/Dual Laterlog/Spectral Gamma from kick-off point to intermediate casing shoe.

#### List of open and cased hole logs run in the well:

CBL,CNL,DS,GR,MUDLOG

#### Coring operation description for the well:

No coring will take place on this well.

#### **Section 7 - Pressure**

Anticipated Bottom Hole Pressure: 5567

#### Anticipated Surface Pressure: 3234.78

Anticipated Bottom Hole Temperature(F): 170

#### Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Potential loss of circulation through the Capitan Reef.

#### **Contingency Plans geoharzards description:**

The necessary mud products for weight addition and fluid loss control will be on location at all times. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

#### Contingency Plans geohazards attachment:

#### Hydrogen Sulfide drilling operations plan required? YES

Y

#### **Operator Name: XTO ENERGY INCORPORATED**

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

#### Hydrogen sulfide drilling operations plan:

Chain\_26\_Fed\_H2S\_Plan\_20190525080701.pdf Chain\_26\_Fed\_H2S\_Dia\_Pad\_3W\_20190916074632.pdf

### **Section 8 - Other Information**

#### Proposed horizontal/directional/multi-lateral plan submission:

Chain\_26\_Fed\_125H\_DD\_20190527090035.pdf

#### Other proposed operations facets description:

XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.

#### Other proposed operations facets attachment:

Chain\_26\_Fed\_GCPS\_20190525080755.pdf Chain\_26\_Fed\_GCPN\_20190525080746.pdf

#### Other Variance attachment:

Chain\_26\_Fed\_FH\_20190525080740.pdf Chain\_26\_Fed\_MBS\_20190916075003.pdf



# **HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN**

# Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

#### **Emergency Procedures**

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
  - Have received training in the
    - o Detection of H<sub>2</sub>S, and
    - o Measures for protection against the gas,
    - o Equipment used for protection and emergency response.

#### Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

#### Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

e lla la eteriori.	00 01 11 <u>2</u> 0 ai				
Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H₂S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = I	2 ppm	N/A	1000 ppm

#### **Contacting Authorities**

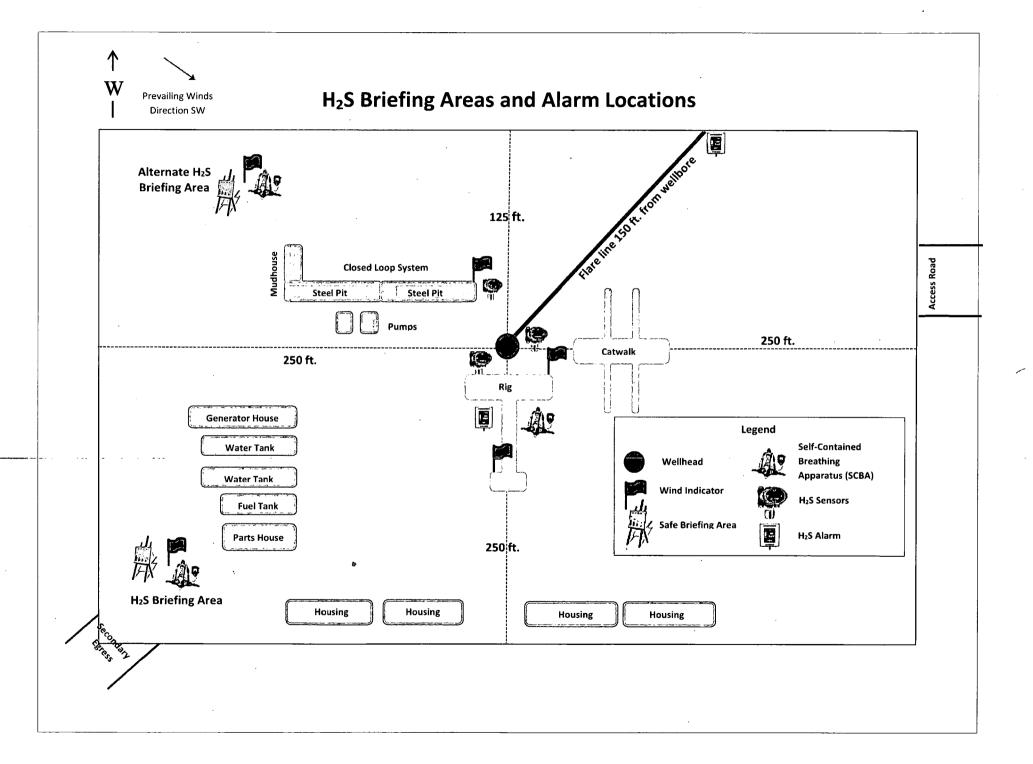
All XTO location personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

# **CARLSBAD OFFICE – EDDY & LEA COUNTIES**

3104 E. Greene St., Carlsbad, NM 88220 Carlsbad, NM	575-887-7329
XTO PERSONNEL: Kendall Decker, Drilling Manager Milton Turman, Drilling Superintendent Jeff Raines, Construction Foreman Toady Sanders, EH & S Manager Wes McSpadden, Production Foreman	903-521-6477 817-524-5107 432-557-3159 903-520-1601 575-441-1147
SHERIFF DEPARTMENTS: Eddy County Lea County	575-887-7551 575-396-3611
NEW MEXICO STATE POLICE:	575-392-5588
FIRE DEPARTMENTS: Carlsbad Eunice Hobbs Jal Lovington	911 575-885-2111 575-394-2111 575-397-9308 575-395-2221 575-396-2359
HOSPITALS: Carlsbad Medical Emergency Eunice Medical Emergency Hobbs Medical Emergency Jal Medical Emergency Lovington Medical Emergency	911 575-885-2111 575-394-2112 575-397-9308 575-395-2221 575-396-2359
AGENT NOTIFICATIONS: For Lea County: Bureau of Land Management – Hobbs New Mexico Oil Conservation Division – Hobbs	575-393-3612 575-393-6161
For Eddy County: Bureau of Land Management - Carlsbad New Mexico Oil Conservation Division - Artesia	575-234-5972 575-748-1283

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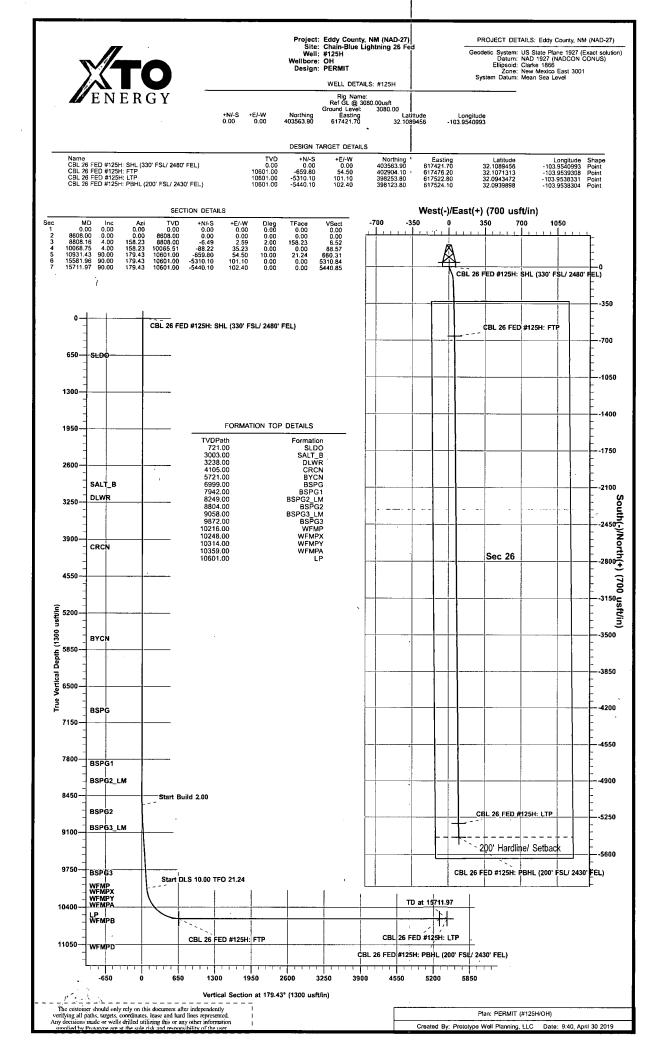
**XTO Energy** Eddy County, NM (NAD-27) Chain-Blue Lightning 26 Fed #125H

OH

Plan: PERMIT

# **Standard Planning Report**

30 April, 2019



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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number 30-015-	r		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name						
<sup>4</sup> Property	Code				<sup>5</sup> Property N	ame		Vell Number				
		CHAIN-BLUE LIGHTNING 26 FED 125H										
<sup>7</sup> OGRID	No.	<sup>8</sup> Operator Name <sup>9</sup> Elevatio										
00538	30		XTO ENERGY, INC. 3,080									
					<sup>10</sup> Surface L	ocation						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
0	23	25 S	29 E		330	SOUTH	2,480	EAST	EDDY			
			<sup>11</sup> Bot	ttom Hol	e 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			
0	26	25 S	29 E		200	SOUTH	2,430	EAST	EDDY			
12 Dedicated Acro	es <sup>13</sup> Joint o	r Infill <sup>14</sup> C	onsolidation (	Code 15 Ore	ter No.	······································						
								:				
	_1	J										

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.

					<sup>17</sup> OPERATOR CERTIFICATION
					I hereby certify that the information contained herein is true and complete
	1		GEODETIC COORDINATES GEODETIC COORDIN NAD 27 NME NAD 83 NME		to the best of my knowledge and belief. and that this organization either
SEC. 23	1	SEC. 24	SURFACE LOCATION SURFACE LOCATIO Y= 403,563.9 Y= 403,622.0		owns a working interest or unleased mineral interest in the land including
			X= 617,421.7 X= 658,606.4 LAT.= 32.108945'N LAT.= 32.109070	4	the proposed bottom hole location or has a right to drill this well at this
	HORIZ. DIST.=	562.11'	LONG.= 103.954099W LONG.= 103.95458		location pursuant to a contract with an owner of such a mineral or working
	1 0	1	FIRST TAKE POINT FIRST TAKE POIN		interest, or to a voluntary pooling agreement or a compulsory pooling
			NAD 27 NME NAD 83 NME Y= 402,904.1 Y= 402,962.2	2	order heretofore entered by the division.
S.H.L.		-2,480'	X= 617,476.2 X= 658,661.0 LAT.= 32,107131'N LAT.= 32,107255		
<u> </u>			LONG.= 103.953931'W LONG.= 103.95441		
F.T.P.	• • • • • • • • • • • • • • • • • • •	<b>-</b> 2,430'			Signature Date
1 1 1	330		CORNER COORDINATES TABLE NAD 27 NME		
330'			A – Y= 403,236.5 N, X= 618,578.8 E B – Y= 403,233.6 N, X= 617,254.7 E	•	Printed Name
	_ <b> </b>		C - Y= 400,581.8 N, X= 618,603.9 E D - Y= 400,578.6 N, X= 617,278.1 E		
		T25S	E - Y= 397,926.8 N, X= 618,628.7 E F - Y= 397,923.1 N, X= 617,301.4 E	-	E-mail Address
		R29E			
SEC. 261		SEC. 25		ŀ	
	l ic		CORNER COORDINATES TABLE		<b>ISURVEYOR CERTIFICATION</b>
			NAD 83 NME A - Y= 403,294.6 N, X= 659,763.6 E	i	I hereby certify that the well location shown on this
	GRID AZ.=179	1 25'32"	B — Y= 403,291.7 N, X≕ 658,439.5 E C — Y= 400,639.9 N, X= 659,788.8 E		plat was plotted from field notes of actual surveys
	HORIZ. DIST.=4		D - Y= 400,636.7 N, X= 658,462.9 E E - Y= 397,984.9 N, X= 659,813.6 E		made by me or under my supervision, and that the
			F - Y= 397,981.1 N, X= 658,486.3 E		same is true and correct to the best of my belief.
					same is true and correct to the best of my bellej.
l I	1 1		LAST TAKE POINT LAST TAKE POINT	.	4-4-2019
L.T.P.			NAD 27 NME NAD 83 NME		Date of Survey
B.H.L		2,430' 2,430'	X= 617,522.8 X= 658,707.7		Signatue and Seal of
		2,400	LAT.= 32.094347"N LAT.= 32.094471"N LONG.= 103.953833"W LONG.= 103.954317		Professional Surveyor:
			BOTTOM HOLE LOCATION BOTTOM HOLE LOCATI	TION	
SO O	200		NAD 27 NME NAD 83 NME Y= 398,123.8 Y= 398,181\8		PRELIMINARY, THIS DOCUMENT SHALL NOT
SEC. 35	1	SEC. 36	X= 617,524.1 X= 658,709.0 LAT.= 32.093990'N LAT.= 32.094114'N	N	BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED
<u> </u>			LONG.= 103.953830W LONG.= 103.954315		UPON AS A FINAL SURVEY DOCUMENT
	I.				MARK DILLON HARP 23786
	l			[] •	Certificate Number JC 20180206
			. 1		

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Database: Company: Project: Site: Well: Wellbore: Design: Project	XTO Eddy Chair #125 OH PERI		(NAD-27) ng 26 Fed		TVD Ref MD Refe North Re			Well #125H Ref GL @ 308 Ref GL @ 308 Grid Minimum Curv	0.00usft	
Map System: Geo Datum: Map Zone:	NAD 19	te Plane 1927 927 (NADCON exico East 30	N CONUS)	ion)	System D	eatum:	Me	ean Sea Level		
Site	Chain	-Blue Lightnin	g 26 Fed							
Site Position From: Position Unc	Ma	•	North Easti ) usft Slot I	•		525.10 usft 559.00 usft 13-3/16 "	Latitude: Longitude: Grid Conve	rgence:		32.1088568 -103.9601155 0.20 °
Well	#125H	·	ana dayan ay arang <b>ar</b> a y <sub>a</sub> ana ay y	a. )	,		patrix da se ana ana - an			
Well Position		38.8		orthing: asting:	n a mener (a general de la company) en la de la company) nomen a seguine de la company de la compa	403,563.90 617,421.70		itude: ngitude:	че <u>к-те</u> шек <u>а</u>	32.1089456 -103.9540993
Position Unc	ertainty	0.0		ellhead Elev	ation:	0.00		ound Level:	,	3,080.00 usft
Wellbore	, OH		· '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '9' · '					na de la grada - 1 dag 1. apresidados - 1 dag		· · · · · · · · · · · · · · · · · · ·
Wellbore Magnetics		del Name	Sampl	e Date	Declina (°)		Dip A			Strength nT)
		del Name IGRF2015	Sampl	e Date 04/30/19	Declina (°)		Dip A (°			Strength nT) 47,640
		IGRF2015	Sampl	·····		-		)		nT).
Magnetics	Mo PERM	IGRF2015	Sampl	·····		-		)		nT).
Magnetics Design	Mo PERM	IGRF2015	Sampl	04/30/19		6.92		) 59.87		nT).
Magnetics Design Audit Notes:	Mo	IGRF2015		04/30/19	(°)	6.92 	(°	) 59.87	()	nT).
Magnetics Design Audit Notes: Version:	Mo	IGRF2015	Phas	04/30/19	(°) PLAN +N/-S (usft)	6.92 Tie +E (us	(° • On Depth: /-W sft)	) 59.87 Dire	() 0.00 section (°)	nT).
Magnetics Design Audit Notes: Version: Vertical Sect	Mo PERM	IGRF2015	Phas epth From (T (usft)	04/30/19	(°) 2LAN +N/-S	6.92 Tie +E (us	(° • On Depth: /-W	) 59.87 Dire	() 0.00 ection	nT).
Magnetics Design Audit Notes: Version:	Mo PERM	IGRF2015	Phas epth From (T (usft)	04/30/19	(°) PLAN +N/-S (usft)	6.92 Tie +E (us	on Depth: /-W sft) 00 Build Rate	) 59.87 Dire 17 Turn Rate	() 0.00 section (°)	nT).
Magnetics Design Audit Notes: Version: Vertical Sect Plan Section: Measured Depth (usft) 0.00	Mo PERM ion: s Inclination (°) 0.00	IGRF2015 11T De Azimuth (°) 0.00	Phas epth From (T (usft) 0.00 Vertical Depth (usft) 0.00	04/30/19 se: F VD) +N/-S (usft) 0.00	(°) PLAN +N/-S (usft) 0.00 +E/-W (usft) 0.00	6.92 Tie +E (us 0. Dogleg Rate (°/100usft) 0.00	(° • On Depth: /-W sft) 00 Build Rate (°/100usft) 0.00	) 59.87 Dire 17 Turn Rate (°/100usft) 0.00	() 0.00 ection (°) 9.43 TFO (°) 0.00	nT) 47,640
Magnetics Design Audit Notes: Version: Vertical Sect Plan Section: Measured Depth (usft) 0.00 8,608.00	Mo PERM ion: s Inclination (°) 0.00 0.00	IGRF2015 11T De Azimuth (°) 0.00 0.00	Phas epth From (T (usft) 0.00 Vertical Depth (usft) 0.00 8,608.00	04/30/19 se: F VD) +N/-S (usft) 0.00 0.00	(°) PLAN +N/-S (usft) 0.00 +E/-W (usft) 0.00 0.00	6.92 Tie +E (us 0. Dogleg Rate (°/100usft) 0.00 0.00	(° • On Depth: /-W sft) 00 Build Rate (°/100usft) 0.00 0.00	) 59.87 Dire 17 Turn Rate (°/100usft) 0.00 0.00	() 0.00 ection (°) 9.43 TFO (°) 0.00 0.00	nT) 47,640
Magnetics Design Audit Notes: Version: Vertical Sect Plan Section: Measured Depth (usft) 0.00 8,608.00 8,808.16	Mo PERM ion: s Inclination (°) 0.00 0.00 4.00	IGRF2015 11T De Azimuth (°) 0.00 0.00 158.23	Phas epth From (T (usft) 0.00 Vertical Depth (usft) 0.00 8,608.00 8,808.00	04/30/19 se: F VD) +N/-S (usft) 0.00 0.00 -6.49	(°) PLAN +N/-S (usft) 0.00 +E/-W (usft) 0.00 0.00 0.00 2.59	6.92 Tie +E (us 0. Dogleg Rate (°/100usft) 0.00 0.00 2.00	(° • On Depth: /-W sft) 00 Build Rate (°/100usft) 0.00 0.00 2.00	) 59.87 Dire 17 Turn Rate (°/100usft) 0.00 0.00 0.00	() 0.00 ection (°) 9.43 TFO (°) 0.00 0.00 158.23	nT) 47,640
Magnetics Design Audit Notes: Version: Vertical Sect Plan Section: Measured Depth (usft) 0.00 8,608.00	Mo PERM ion: s Inclination (°) 0.00 0.00 4.00 4.00	IGRF2015 11T De Azimuth (°) 0.00 0.00	Phas epth From (T (usft) 0.00 Vertical Depth (usft) 0.00 8,608.00	04/30/19 se: F VD) +N/-S (usft) 0.00 0.00	(°) PLAN +N/-S (usft) 0.00 +E/-W (usft) 0.00 0.00 2.59 35.23	6.92 Tie +E (us 0. Dogleg Rate (°/100usft) 0.00 0.00	(* • On Depth: /-W sft) 00 Build Rate (*/100usft) 0.00 0.00 2.00 0.00	) 59.87 Dire 17 Turn Rate (°/100usft) 0.00 0.00	() 0.00 ection (°) 9.43 TFO (°) 0.00 0.00 158.23 0.00	nT) 47,640 Target
Magnetics Design Audit Notes: Version: Vertical Sect Plan Section: Measured Depth (usft) 0.00 8,608.00 8,808.16 10,068.75	Mo PERM ion: s Inclination (°) 0.00 0.00 4.00 4.00 90.00	IGRF2015 11T De Azimuth (°) 0.00 0.00 158.23 158.23	Phas epth From (T (usft) 0.00 Vertical Depth (usft) 0.00 8,608.00 8,808.00 10,065.51	04/30/19 se: F VD) +N/-S (usft) 0.00 0.00 -6.49 -88.22	(°) PLAN +N/-S (usft) 0.00 +E/-W (usft) 0.00 0.00 0.00 2.59	6.92 Tie +E (us 0. Dogleg Rate (°/100usft) 0.00 0.00 2.00 0.00	(° • On Depth: /-W sft) 00 Build Rate (°/100usft) 0.00 0.00 2.00	) 59.87 Dire 17 Turn Rate (°/100usft) 0.00 0.00 0.00 0.00 0.00	() 0.00 ection (°) 9.43 TFO (°) 0.00 0.00 158.23 0.00 21.24	nT) 47,640

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Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference	e: Well#125H
Company:	XTO Energy	TVD Reference:	Ref GL @ 3080.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	Ref GL @ 3080.00usft
Site:	Chain-Blue Lightning 26 Fed	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ОН		
Design:	PERMIT		

Planned	Survey

Measured	•		Vertical	•		Vertical	Dogleg	Build	Turn
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Section (usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00						
				0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1;000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1.500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	
1,700.00									0.00
,	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00		0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	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
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
								0.00	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600,00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	. 0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00									
	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

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Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #125H
Company:	XTO Energy	TVD Reference:	Ref GL @ 3080.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	Ref GL @ 3080.00usft
Site:	Chain-Blue Lightning 26 Fed	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		1

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Planned Survey

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	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)	•
	5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
	5,500.00 5,600.00 5,700.00 5,800.00 5,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	5,500.00 5,600.00 5,700.00 5,800.00 5,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
	6,000.00 6,100.00 6,200.00 6,300.00 6,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,000.00 6,100.00 6,200.00 6,300.00 6,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
	6,500.00 6,600.00 6,700.00 6,800.00 6,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,500.00 6,600.00 6,700.00 6,800.00 6,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
- - -	7,000.00 7,100.00 7,200.00 7,300.00 7,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	7,000.00 7,100.00 7,200.00 7,300.00 7,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
	7,500.00 7,600.00 7,700.00 7,800.00 7,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	7,500.00 7,600.00 7,700.00 7,800.00 7,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
-	8,000.00 8,100.00 8,200.00 8,300.00 8,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	8,000.00 8,100.00 8,200.00 8,300.00 8,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
	8,500.00 8,608.00 8,700.00 8,808.16 8,900.00	0.00 0.00 1.84 4.00 4.00	0.00 0.00 158.23 158.23 158.23	8,500.00 8,608.00 8,699.98 8,808.00 8,899.61	0.00 0.00 -1.37 -6.49 -12.45	0.00 0.00 0.55 2.59 4.97	0.00 0.00 1.38 6.52 12.49	0.00 0.00 2.00 2.00 0.00	0.00 0.00 2.00 2.00 0.00	0.00 0.00 0.00 0.00 0.00	
	9,000.00 9,100.00 9,200.00 9,300.00 9,400.00	4.00 4.00 4.00 4.00 4.00	158.23 158.23 158.23 158.23 158.23 158.23	8,999.37 9,099.13 9,198.88 9,298.64 9,398.39	-18.93 -25.41 -31.90 -38.38 -44.86	7.56 10.15 12.74 15.32 17.91	19.00 25.51 32.02 38.53 45.04	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 , 0.00	0.00 0.00 0.00 0.00 0.00	
	9,500.00 9,600.00 9,700.00 9,800.00 9,900.00	4.00 4.00 4.00 4.00 4.00	158.23 158.23 158.23 158.23 158.23 158.23	9,498.15 9,597.91 9,697.66 9,797.42 9,897.17	-51.35 -57.83 -64.31 -70.80 -77.28	20.50 23.09 25.68 28.27 30.86	51.55 58.06 64.57 71.08 77.58	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
	10,000.00 10,068.75 10,100.00 10,150.00 10,200.00	4.00 4.00 7.01 11.94 16.92	158.23 158.23 167.55 172.56 174.65	9,996.93 10,065.51 10,096.61 10,145.92 10,194.33	-83.76 -88.22 -91.10 -99.21 -111.59	33.45 35.23 36.04 37.37 38.72	84.09 88.57 91.45 99.58 111.97	0.00 0.00 10.00 10.00 10.00	0.00 0.00 9.61 9.87 9.95	0.00 0.00 29.81 10.02 4.19	
	10,250.00 10,300.00 10,350.00	21.90 26.89 31.89	175.82 176.57 177.10	10,241.47 10,286.99 10,330.54	-128.15 -148.75 -173.24	40.08 41.43 42.78	128.54 149.16 173.66	10.00 10.00 10.00	9.97 9.98 9.99	2.33 1.50 1.06	

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Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #125H
Company:	XTO Energy	TVD Reference:	Ref GL @ 3080.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	Ref GL @ 3080.00usft
Site:	Chain-Blue Lightning 26 Fed	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ОН		
Design:	PERMIT		
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)
	10,400.00 10,450.00	36.88 41.88	177.49 177.81	10,371.79 10,410.43	-201.44 -233.13	44.11 45.40	201.87	10.00 10.00	9.99 9.99	0.80 0.63
	10,500.00 10,550.00 10,600.00 10,650.00 10,700.00	46.87 51.87 56.87 61.87 66.87	178.07 178.29 178.48 178.65 178.81	10,446.15 10,478.70 10,507.82 10,533.28 10,554.91	-268.06 -305.98 -346.59 -389.59 -434.64	46.66 47.86 49.00 50.08 51.08	268.51 306.44 347.06 390.06 435.13	10.00 10.00 10.00 10.00 10.00	9.99 9.99 10.00 10.00 10.00	0.52 0.44 0.38 0.34 0.31
	10,750.00 10,800.00 10,850.00 10,900.00 10,931.43	71.86 76.86 81.86 86.86 90.00	178.95 179.09 179.22 179.35 179.43	10,572.52 10,586.00 10,595.23 10,600.14 10,601.00	-481.41 -529.53 -578.65 -628.39 -659.80	51.99 52.82 53.54 54.16 54.50	481.90 530.03 579.16 628.90 660.31	10.00 10.00 10.00 10.00 10.00	10.00 10.00 10.00 10.00 10.00	0.29 0.27 0.26 0.26 0.25
	11,000.00 11,100.00 11,200.00 11,300.00 11,400.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-728.37 -828.37 -928.36 -1,028.36 -1,128.35	55.19 56.19 57.19 58.19 59.20	728.88 828.88 928.88 1,028.88 1,128.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
	11,500.00 11,600.00 11,700.00 11,800.00 11,900.00	90.00 90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-1,228.35 -1,328.34 -1,428.34 -1,528.33 -1,628.33	60.20 61.20 62.20 63.20 64.20	1,228.88 1,328.88 1,428.88 1,528.88 1,628.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
	12,000.00 12,100.00 12,200.00 12,300.00 12,400.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-1,728.32 -1,828.32 -1,928.31 -2,028.31 -2,128.30	65.21 66.21 67.21 68.21 69.21	1,728.88 1,828.88 1,928.88 2,028.88 2,128.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
	12,500.00 12,600.00 12,700.00 12,800.00 12,900.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-2,228.30 -2,328.29 -2,428.29 -2,528.28 -2,528.28 -2,628.28	70.22 71.22 72.22 73.22 74.22	2,228.88 2,328.88 2,428.88 2,528.88 2,628.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
	13,000.00 13,100.00 13,200.00 13,300.00 13,400.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-2,728.27 -2,828.27 -2,928.26 -3,028.26 -3,128.25	75.23 76.23 77.23 78.23 79.23	2,728.88 2,828.88 2,928.88 3,028.88 3,128.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
	13,500.00 13,600.00 13,700.00 13,800.00 13,900.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-3,228.25 -3,328.24 -3,428.24 -3,528.23 -3,628.23	80.24 81.24 82.24 83.24 84.24	3,228.88 3,328.88 3,428.88 3,528.88 3,628.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
	14,000.00 14,100.00 14,200.00 14,300.00 14,400.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-3,728.22 -3,828.22 -3,928.21 -4,028.21 -4,128.20	85.25 86.25 87.25 88.25 89.25	3,728.88 3,828.88 3,928.88 4,028.88 4,128.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
	14,500.00 14,600.00 14,700.00 14,800.00 14,900.00	90.00 90.00 90.00 90.00 90.00	179.43 179.43 179.43 179.43 179.43 179.43	10,601.00 10,601.00 10,601.00 10,601.00 10,601.00	-4,228.20 -4,328.19 -4,428.19 -4,528.18 -4,628.18	90.26 91.26 92.26 93.26 94.26	4,228.88 4,328.88 4,428.88 4,528.88 4,628.88	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
	15,000.00 15,100.00	90.00 90.00	179.43 179.43	10,601.00 10,601.00	-4,728.17 -4,828.17	95.27 96.27	4,728.88 4,828.88	0.00 0.00	0.00 0.00	0.00 0.00

COMPASS 5000.1 Build 74



2 ENERGI											
Database: Company: Project: Site: Well: Wellbore: Design:	XTO Eddy	Energy / County n-Blue I iH	.13 Single y, NM (NAD Lightning 26	-27)		TVD MD F Nort	l Co-ordinato Reference: Reference: n Reference: ey Calculatio	1	Ref GL @ Ref GL @ Grid	3080.00usft 3080.00usft	
Planned Survey				····							
Measured Depth (usft)	Inclin ('		Azimuth (°)	Vertic Dept (usf	:h	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	5 5	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,200.00 15,300.00 15,400.00		90.00 90.00 90.00	179.4 179.4 179.4	3 10,60	1.00 -	4,928.16 5,028.16 5,128.15	97.27 98.27 99.27	4,928.8 5,028.8 5,128.8	B8 0.00	0.00 0.00 0.00	0.00 0.00 0.00
15,500.00 15,581.96 15,600.00		90.00 90.00 90.00	179.4 179.4 179.4	3 10,60 3 10,60	1.00 - 1.00 -	5,228.15 5,310.10 5,328.14	100.28 101.10 101.28	5,228.8 5,310.8 5,328.8	88 0.00 84 0.00	0.00 0.00 0.00	0.00 0.00 0.00
15,700.00 15,711.97		90.00 90.00	179.4 179.4			5,428.14 5,440.10	102.28 102.40	5,428.8 5,440.8		0.00 0.00	0.00 0.00
Design Targets	····		and a statement	· · · · · · · · · · · · · · · · · · ·	· ·····				· · · · · · · · · · · · · · · ·	•	
Target Name - hit/miss target - Shape	•	Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-V (usft		•	Easting (usft)	Latitude	Longitude
CBL 26 FED #125H: - plan hits target - Point		0.00	0.00	0.00	0.0	0 0	.00 403,	563.90	617,421.70	32.1089456	-103.9540993
CBL 26 FED #125H: - plan hits target - Point		0.00	0.00 1	10,601.00	-5,310.1	0 101	.10 398,	253.80	617,522.80	32.0943472	-103.9538331
CBL 26 FED #125H: - plan hits target - Point		0.00	0.00 1	0,601.00	-5,440.1	0 102	.40 398,	123.80	617,524.10	32.0939898	-103.9538304
CBL 26 FED #125H: - plan hits target - Point		0.00	0.00 1	0,601.00	-659.8	60 54	.50 402,	904.10	617,476.20	32.1071313	-103.9539308

- Point

Formations

		1		1			
Measured Depth (usft)	Vertical Depth (usft)		Name	Lithology	Dip (°)	Dip Direction (°)	
721.00	721.00	SLDO		 			Spend & country and the spendor provide
3,003.00	3,003.00	SALT_B					
3,238.00	3,238.00	DLWR					
4,105.00	4,105.00	CRCN					
5,721.00	5,721.00	BYCN					
6,999.00	6,999.00	BSPG					
7,942.00	7,942.00	BSPG1		ň.			
8,249.00	8,249.00	BSPG2_LM				•	
8,804.15	8,804.00	BSPG2		1			
9,058.77	9,058.00	BSPG3_LM					
9,874.77	9,872.00	BSPG3					
10,222.80	10,216.00	WFMP					
10,257.06	10,248.00	WFMPX					~
10,330.72	10,314.00	WFMPY		1			
10,384.17	10,359.00						
10,931.43	10,601.00						

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Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #125H
Company:	XTO Energy	TVD Reference:	Ref GL @ 3080.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	Ref GL @ 3080.00usft
Site:	Chain-Blue Lightning 26 Fed	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	, OH		
Design:	PERMIT		

Submit Original to Appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

#### GAS CAPTURE PLAN

Date: 04/26/2019

 $\boxtimes$  Original

Operator & OGRID No.: XTO Energy, Inc [005380]\_\_\_\_

□ Amended - Reason for Amendment:\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

#### Well(s)/Production Facility - Name of facility: Chain-Blue CTBS

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location	Footages	Expected	Flared or	Comments
		(ULSTR)		MÇF/D	Vented	
Chain-Blue Lightning 26	·	P-23-25S-29E	331'FSL &	2500MCF/D	Flared/Sold	
Fed 108H			273'FEL			
Chain-Blue Lightning 26		N-23-25S-29E	296'FSL &	2500MCF/D	Flared/Sold	
Fed 703H			2025'FWL			
Chain-Blue Lightning 26		M-23-25S-29E	366'FSL &	2500MCF/D	Flared/Sold	
Fed 162H			955'FWL	,		
Chain-Blue Lightning 26		M-23-25S-29E	366'FSL &	2500MCF/D	Flared/Sold	
Fed 161H			705'FWL			
Chain-Blue Lightning 26		M-23-25S-29E	331'FSL &	2500MCF/D	Flared/Sold	
Fed 121H			705'FWL			
Chain-Blue Lightning 26		M-23-25S-29E	331'FSL &	2500MCF/D	Flared/Sold	
Fed 122H			955'FWL			
Chain-Blue Lightning 26		M-23-25S-29E	296'FSL &	2500MCF/D	Flared/Sold	
Fed 701H			705'FWL			
Chain-Blue Lightning 26		M-23-25S-29E	296'FSL &	2500MCF/D	Flared/Sold	
Fed 102H			955'FWL	1		1
Chain-Blue Lightning 26		N-23-25S-29E	366'FSL &	2500MCF/D	Flared/Sold	
Fed 164H			2275'FWL			
Chain-Blue Lightning 26		N-23-25S-29E	366'FSL &	2500MCF/D	Flared/Sold	
Fed 163H			2025'FWL			
Chain-Blue Lightning 26		N-23-25S-29E	331'FSL &	2500MCF/D	Flared/Sold	
Fed 103H			2025'FWL			
Chain-Blue Lightning 26		N-23-25S-29E	331'FSL &	2500MCF/D	Flared/Sold	
Fed 104H			2275'FWL	1		
Chain-Blue Lightning 26		N-23-25S-29E	296'FSL &	2500MCF/D	Flared/Sold	
Fed 124H			2275'FWL			
Chain-Blue Lightning 26		O-23-25S-29E	365'FSL &	2500MCF/D	Flared/Sold	
Federal 166H			2230'FEL			
Chain-Blue Lightning 26		O-23-25-S29E	365'FSL &	2500MCF/D	Flared/Sold	
Fed 165H			2480'FEL			
Chain-Blue Lightning 26		O-23-25S-29E	330'FSL &	2500MCF/D	Flared/Sold	
Fed 125H			2480'FEL			
Chain-Blue Lightning 26		O-23-25S-29E	330'FSL &	2500MCF/D	Flared/Sold	
Fed 126H			2230'FEL			
Chain-Blue Lightning 26		O-23-25S-29E	295'FSL &	2500MCF/D	Flared/Sold	
Fed 105H			2480'FEL			
Chain-Blue Lightning 26		O-23-25S-29E	295'FSL &	2500MCF/D	Flared/Sold	
Fed 705H			2230'FEL			
Chain-Blue Lightning 26		P-23-25S-29E	366'FSL &	2500MCF/D	Flared/Sold	
					1 10100/0010	
Fed 168H			273'FEL			

Chain-Blue Lightning 26 Fed 167H	P-23-25S-29E	365'FSL & 523'FEL	2500MCF/D	Flared/Sold	
Chain-Blue Lightning 26 Fed 107H	P-23-25S-29E	330'FSL & 523'FEL	2500MCF/D	Flared/Sold	
Chain-Blue Lightning 26 Fed 127H	P-23-25S-29E	295'FSL & 523'FEL	2500MCF/D	Flared/Sold	
Chain-Blue Lightning 26 Fed 708H	P-23-25S-29E	296'FSL & 273'FEL	2500MCF/D	Flared/Sold	

#### **Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to <u>Enlink</u> and will be connected to <u>Enlink</u> low/high pressure gathering system located in Loving County, Texas. It will require 0' of pipeline to connect the facility to low/high pressure gathering system. <u>XTO Energy, Inc.</u> provides (periodically) to <u>Enlink</u> a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, <u>XTO Energy, Inc.</u> and <u>Enlink</u> have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at <u>Enlink</u> Processing Plant located in Block 27, Section 4, Loving County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

#### Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on <u>Enlink</u> system at that time. Based on current information, it is <u>XTO</u> <u>Energy</u>, Inc.'s belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

#### **Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
  - Compressed Natural Gas On lease
    - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
  - o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

# **FMSS**

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

APD ID: 10400042184

**Operator Name: XTO ENERGY INCORPORATED** 

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Type: OIL WELL

Submission Date: 06/21/2019

Highlighted data reflects the most recent changes Show Final Text

12/31/2019

SUPO Data Report

Well Work Type: Drill

Well Number: 125H

# Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Chain\_26\_Fed\_125H\_Road\_20190527085855.pdf

Existing Road Purpose: ACCESS, FLUID TRANSPORT

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

**Existing Road Improvement Description:** 

**Existing Road Improvement Attachment:** 

# Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

#### New Road Map:

Chain\_26\_Fed\_Road\_20190525074131.pdf

New road type: RESOURCE

Length: 5470.98

Width (ft.): 30

Max slope (%): 2

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? NO

Feet

ACOE Permit Number(s):

New road travel width: 14

**New road access erosion control:** The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route. **New road access plan or profile prepared?** NO

New road access plan attachment:

Row(s) Exist? YES

**Operator Name: XTO ENERGY INCORPORATED** 

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

Access road engineering design? NO

Access road engineering design attachment:

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Surface material will be native caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

**Onsite topsoil removal process:** Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road prior to any further construction activity. The topsoil that was stripped will be spread along the edge of the road and within the ditch. The topsoil will be seeded with the proper seed mix designated by the BLM.

Access other construction information: Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities.

Access miscellaneous information: The Chain-Blue Lightning 26 Federal development area is accessed from the intersection of Pecos Highway (285) and Longhorn Road. Go Northeast on Longhorn Road approximately 4.2 miles. Turn left (Northeast) onto Pipeline Road Number 1 and go approximately 1.8 miles. Turn left (North) onto the lease road and go approximately 2.2 miles. Turn right (East) at the fork in the road and go approximately 1 mile. Transportation Plan identifying existing roads that will be used to access the project area is included from FSC, Inc. marked as, 'Topographical and Access Road Map.' There are existing access roads to the proposed Chain-Blue Lightning 26 Federal well locations. All equipment and vehicles will be confined to the routes shown on the Topographical and Access Road Map as provided by FSC, Inc. Maintenance of the access roads will continue until abandonment and reclamation of the well pads is completed. Number of access turnouts: 0 Access turnout map:

#### Drainage Control

New road drainage crossing: OTHER

**Drainage Control comments:** The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

**Road Drainage Control Structures (DCS) description:** No drainage control structures were identified at onsite. Drainage control structures will be applied for as-needed and be in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. **Road Drainage Control Structures (DCS) attachment:** 

#### Access Additional Attachments

#### Section 3 - Location of Existing Wells

Existing Wells Map? YES

#### Attach Well map:

Chain\_26\_Fed\_1\_Mile\_20190525074210.pdf

Operator Name: XTO ENERGY INCORPORATED		
Well Name: CHAIN-BLUE LIGHTNING 26 FED	Well Number:	125H
	· ·	

#### Section 4 - Location of Existing and/or Proposed Production Facilities

#### Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production Facilities. Two CTB pads were staked with the BLM for construction and use as Central Tank Batteries (CTB). The Northern most facility is the Shanghai 26 Fed CTB [600'x600'] and is located in Section 26-T25S-R30E NMPM, Eddy County, New Mexico. The Southernmost facility is the Shanghai 24 Fed CTB [600'x550'] and is located in Section 23-T25S-R30E NMPM, Eddy County, New Mexico. Plats of the proposed facilities are attached. Only the area necessary to maintain facilities will be disturbed. Due to air permitting timeframes and anticipated reserves, two facilities are anticipated to be necessary for full area development. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment. Flowlines. In the event the wells are found productive, 24-8" composite flexpipe or steel flowlines with a maximum safety pressure rating of 1400psi (operating pressure: 750 psi) will be buried within proposed lease road corridors from the proposed wells to the Shanghai 26 Fed CTB & the Shanghai 24 Fed CTB where the oil, gas, and water will be metered and separated. If XTO Energy, Inc. decides to run surface lines, 24-4" or less flexpipe or steel flowlines with a max. safety psi rating of 750 (op. psi: 125psi) will be laid within proposed lease road corridors from the proposed wells to the proposed CTBs. An additional 24-10" or less high pressure gas lines will be buried within the proposed lease road corridor with the flowlines for gas lift, fuel gas, and water. The distance of proposed flowlines per well will be approximately 5,641.54' or less per well based on the location of the well pad in conjunction with the facility location. All flowlines will follow proposed lease road corridors. Gas & Oil Pipeline. A gas purchaser has been identified and will be building separately to the Shanghai CTBs in this application. Disposal Facilities. Produced water will be piped from location to a disposal facility as needed. Once wells are drilled and completed, a 3160-5 sundry notification will be submitted to BLM in compliance with Onshore Order 7. Flare. There will be 2 flares associated with the Chain-Blue Lightning 26 Federal project. The flare stacks will be 50'x50' and located on the production facility locations with no additional surface disturbance. Above ground Structures. All permanent (on site six months or longer) above ground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as 'shale green' that reduce the visual impacts of the built environment. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1 ½ times the capacity of the largest tank and away from cut or fill areas. Electrical. All lines will be primary 12,740 volt to properly run expected production equipment. 14,944.88' of electrical will be run from the anticipated tie-in point with a request for 30' ROW construction and maintenance buffer. This distance is a max. approximation and may vary based on lease road corridors, varying elevations and terrain in the area. A plat of the proposed electrical is attached.

Production Facilities map:

Chain\_26\_Fed\_FL\_20190525074235.pdf Chain\_26\_Fed\_CTBN\_20190525074220.pdf Chain\_26\_Fed\_OHE\_20190525074244.pdf Chain\_26\_Fed\_CTBS1\_20190916074551.pdf

#### Section 5 - Location and Types of Water Supply

Water Source Table

<b>Dperator Name</b> : XTO ENERGY INCO <b>Well Name:</b> CHAIN-BLUE LIGHTNIN		ber: 125H
Water source type: OTHER		
Describe type: Fresh Water; Section	on 27-25S-30E	
Water source use type:	SURFACE CASING	
	STIMULATION	
	INTERMEDIATE/PRODUCTION CASING	
Source latitude:		Source longitude:
Source datum:		
Water source permit type:	PRIVATE CONTRACT	
Water source transport method:	TRUCKING	i
Source land ownership: FEDERAI	-	;
Source transportation land owner	ship: FEDERAL	
Source transportation land owner Water source volume (barrels): 33		Source volume (acre-feet): 43.179188
		Source volume (acre-feet): 43.179188
Water source volume (barrels): 33		Source volume (acre-feet): 43.179188
Water source volume (barrels): 33 Source volume (gal): 14070000	35000	Source volume (acre-feet): 43.179188
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER	35000	Source volume (acre-feet): 43.179188
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section	35000 on 26-25S-29E	Source volume (acre-feet): 43.179188
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section	35000 on 26-25S-29E SURFACE CASING	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section	35000 on 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type:	35000 on 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type: Source latitude:	35000 on 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type: Source latitude: Source datum:	an 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION CASING	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type: Source latitude: Source datum: Water source permit type:	35000 on 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION CASING PRIVATE CONTRACT TRUCKING	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type: Source latitude: Source datum: Water source permit type: Water source transport method:	35000 In 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION CASING PRIVATE CONTRACT TRUCKING	
Water source volume (barrels): 33 Source volume (gal): 14070000 Water source type: OTHER Describe type: Fresh Water; Section Water source use type: Source latitude: Source datum: Water source permit type: Water source transport method: Source land ownership: FEDERAL	35000 n 26-25S-29E SURFACE CASING STIMULATION INTERMEDIATE/PRODUCTION CASING PRIVATE CONTRACT TRUCKING - rship: FEDERAL	

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#### **Operator Name: XTO ENERGY INCORPORATED**

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

#### Water source and transportation map:

Chain\_26\_Fed\_125H\_Wtr\_20190527085911.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from commercial water stations in the area and hauled to the location by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: SB Oilfield Services 213 S. Mesa Carlsbad, NM 88220 Anticipated water usage for drilling includes an estimated 30,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with 40% excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Well completion is expected to require approximately 50,000 barrels of fresh water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections. After production is established, XTO may complete wells with approximately 50,000 barrels of produced water. If this decision is made, the BLM will be notified appropriately, proper permitting will ensue with the New Mexico Oil Conservation division and this surface use plan will be amended as needed. New water well? NO

New Water Well Ir	nfo	1
Well latitude:	Well Longitude:	Well datum:
Well target aquifer:		•
Est. depth to top of aquifer(ft):	Est thickness of a	quifer:
Aquifer comments:		
Aquifer documentation:		
Well depth (ft):	Well casing type:	
Well casing outside diameter (in.):	Well casing inside o	liameter (in.):
New water well casing?	Used casing source	:
Drilling method:	Drill material:	i
Grout material:	Grout depth:	
Casing length (ft.):	Casing top depth (ft	L):
Well Production type:	Completion Method	: ;
Water well additional information:		
State appropriation permit:		,
Additional information attachment:		
Section 6 - Construction	on Materials	
	<u> </u>	

Using any construction materials: YES

Construction Materials description: Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities. Any construction material that may be required for surfacing of the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from federal lands without prior approval from the appropriate surface management agency. All roads and well pads will be constructed of 6" rolled and compacted caliche. Anticipated Caliche Locations: a. Pit 1: Federal

Operator Name: XTO ENERGY INCORPORATED         Well Name: CHAIN-BLUE LIGHTNING 26 FED         Well Number: 125H
Caliche Pit, Section 17-T25S-R30E b. Pit 2: Federal Caliche Pit, Section 34-T25S-R29E
Construction Materials source location attachment:
Section 7 - Methods for Handling Waste
Waste type: DRILLING
Waste content description: Fluid
Amount of waste: 500 barrels
Waste disposal frequency : One Time Only
Safe containment description: Steel mud pits
Safe containmant attachment:
Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL FACILITY Disposal type description:
Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079
Waste type: DRILLING Waste content description: Cuttings
Amount of waste: 2100 pounds
Waste disposal frequency : One Time Only
Safe containment description: The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes. Safe containmant attachment:
Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL FACILITY Disposal type description:
Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079
Waste type: SEWAGE
Waste content description: Human Waste
Amount of waste: 250 gallons
Waste disposal frequency : Weekly
<b>Safe containment description:</b> Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL FACILITY

and will be removed when all operations are complete.

Safe containmant attachment:

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Operator Name: XTO ENERGY INCORPORATED	
Well Name: CHAIN-BLUE LIGHTNING 26 FED Well Numbe	r: 125H
Disposal type description:	
Disposal location description: A licensed 3rd party contractor will be used	to haul and dispose of human waste.
Waste type: GARBAGE	
Waste content description: Garbage, junk and non-flammable waste mate	rials
Amount of waste: 250 pounds	•
Waste disposal frequency : Weekly	
Safe containment description: All garbage, junk and non-flammable waster portable dumpster or trash cage, to prevent scattering and will be removed a Immediately after drilling all debris and other waste materials on and around will be cleaned up and removed from the location. No potentially adverse ma Safe containmant attachment:	nd deposited in an approve sanitary landfill. the well location not contained in the trash cage
Waste disposal type: HAUL TO COMMERCIAL Disposal location own FACILITY Disposal type description:	ership: COMMERCIAL
<b>Disposal location description:</b> A licensed 3rd party vendor will be contract and non-flammable waste materials.	ed to haul and safely dispose of garbage, junk
Reserve Pit	
Reserve Pit being used? NO	
Temporary disposal of produced water into reserve pit?	
Reserve pit length (ft.) Reserve pit width (ft.)	
Reserve pit depth (ft.) Reserve pit vol	ume (cu. ýd.)
Is at least 50% of the reserve pit in cut?	
Reserve pit liner	
Reserve pit liner specifications and installation description	
Cuttings Area	······································
Cuttings Area being used? NO	
Are you storing cuttings on location? YES	
Description of cuttings location Cuttings. The well will be drilled utilizing a	
held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Drilling Fluids. These will be contained in steel mud pits and then taken to a Produced Fluids. Water produced from the well during completion will be held	NMOCD approved commercial disposal facility.

NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

Cuttings	area	length (ft.)
Cuttings	area	depth (ft.)

Cuttings area volume (cu. yd.)

Cuttings area width (ft.)

Is at least 50% of the cuttings area in cut?

**Operator Name: XTO ENERGY INCORPORATED** 

Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

#### WCuttings area liner

Cuttings area liner specifications and installation description

**Section 8 - Ancillary Facilities** 

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

**Section 9 - Well Site Layout** 

Well Site Layout Diagram:

Chain\_26\_Fed\_125H\_Well\_20190527085934.pdf

Comments:

#### Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: CHAIN BLUE

Multiple Well Pad Number: 3

#### **Recontouring attachment:**

Chain\_26\_Fed\_IR\_Pad1\_20190526083850.pdf Chain\_26\_Fed\_IR\_Pad3\_20190526083904.pdf Chain\_26\_Fed\_IR\_Pad4\_20190526083911.pdf Chain\_26\_Fed\_IR\_Pad2\_20190526083857.pdf

**Drainage/Erosion control construction:** All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches.

**Drainage/Erosion control reclamation:** Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

Well pad proposed disturbance (acres): 22.96	Well pad interim reclamation (acres): 7.68	Well pad long term disturbance (acres): 15.28
Road proposed disturbance (acres): 3.77 Powerline proposed disturbance (acres): 10.29 Pipeline proposed disturbance (acres): 0 Other proposed disturbance (acres): 20.41	Road interim reclamation (acres): 0 Powerline interim reclamation (acres): 0 Pipeline interim reclamation (acres): 0 Other interim reclamation (acres): 0 Total interim reclamation: 7.68	(acres): 10.29

er: 125H
,

#### Total proposed disturbance: 57.43

#### Total long term disturbance: 49.75

#### **Disturbance Comments:**

**Reconstruction method:** The original stock piled topsoil will be spread over, the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

**Topsoil redistribution:** The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

**Soil treatment:** A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.

**Existing Vegetation at the well pad:** Environmental Setting. Soil area is a combination of Pajarito-Dune land complex, loamy sand with 0-3% slopes, and Potter-Simona complex, shallow sandy soil with 5 to 25% slopes. These soils support grassland dominated by black grama throughout with dropseeds and bluestems more prevalent in the loamier areas. The areas with shallower soil have fewer shrubs and more litter cover with shrubs such as sand sage, shinnery oak and mesquite appearing as the soil presents more loam. Other vegetation such as creosote, mesquite, catclaw, snakeweed, and soapweed yucca grow within the area.

Existing Vegetation at the well pad attachment:

**Existing Vegetation Community at the road**: Environmental Setting. Soil area is a combination of Pajarito-Dune land complex, loamy sand with 0-3% slopes, and Potter-Simona complex, shallow sandy soil with 5 to 25% slopes. These soils support grassland dominated by black grama throughout with dropseeds and bluestems more prevalent in the loamier areas. The areas with shallower soil have fewer shrubs and more litter cover with shrubs such as sand sage, shinnery oak and mesquite appearing as the soil presents more loam. Other vegetation such as creosote, mesquite, catclaw, snakeweed, and soapweed yucca grow within the area.

#### Existing Vegetation Community at the road attachment:

**Existing Vegetation Community at the pipeline:** Environmental Setting. Soil area is a combination of Pajarito-Dune land complex, loamy sand with 0-3% slopes, and Potter-Simona complex, shallow sandy soil with 5 to 25% slopes. These soils support grassland dominated by black grama throughout with dropseeds and bluestems more prevalent in the loamier areas. The areas with shallower soil have fewer shrubs and more litter cover with shrubs such as sand sage, shinnery oak and mesquite appearing as the soil presents more loam. Other vegetation such as creosote, mesquite, catclaw, snakeweed, and soapweed yucca grow within the area.

Existing Vegetation Community at the pipeline attachment:

**Existing Vegetation Community at other disturbances:** Environmental Setting. Soil area is a combination of Pajarito-Dune land complex, loamy sand with 0-3% slopes, and Potter-Simona complex, shallow sandy soil with 5 to 25% slopes. These soils support grassland dominated by black grama throughout with dropseeds and bluestems more prevalent in the loamier areas. The areas with shallower soil have fewer shrubs and more litter cover with shrubs such as sand sage, shinnery oak and mesquite appearing as the soil presents more loam. Other vegetation such as creosote, mesquite, catclaw, snakeweed, and soapweed yucca grow within the area.

#### Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Operator Name: XTO ENERG Well Name: CHAIN-BLUE LIG		Well Numbe	r: 125H
Seedling transplant descriptio	n attachment:		
Will seed be harvested for use	in site reclamation?	NO	
Seed harvest description:			
Seed harvest description attac	chment:		Ì
			1.
Seed Management			
	_		
Seed Table			
		:	· .
r		-	•
Seed Su	mmary	Total pounds/A	cre:
Seed Type	Pounds/Acre		
Seed reclamation attachment:			
<b>Operator Contact/R</b>	esponsible Offici	al Contact Info	
First Name:		Last Name:	
Phone: (432)620-4349		Email: jeffrey_raine	es@xtoenergy.com
standard. All compacted areas to of 2 feet, followed by recontourin seedbed will be scarified to a de rough enough to trap seed and s <b>Seed BMP:</b> If broadcast seeding to a depth of 4-6 inches within 24 and create seed germination mic <b>Seed method:</b> Seeding will be c	b be seeded will be ripp of the surface and then pth of no less than 4-6 snow, control erosion, a g is to be used and is de 4 hours prior to seeding cro-sites. conducted no more than signed by the BLM to m y no more than 0.25 inc	bed to a minimum dep evenly spreading the inches. If the site is to ind increase water in elayed, final seedbed d, dozer tracking, or on two weeks following eet reclamation state	e appropriate interim or final reclamation oth of 18 inches with a minimum furrow spacing e stockpiled topsoil. Prior to seeding, the o be broadcast seeded, the surface will be left filtration. I preparation will consist of contour cultivating other imprinting in order to break the soil crust g completion of final seedbed preparation. A dards will be used. If the site is harrowed or
Existing invasive species trea	tment description:		
Existing invasive species treat	tment attachment:		
Weed treatment plan descripti herbicides according to applicab Weed treatment plan attachme	le State, Federal and lo		ugh the use of approved pesticides and
	to monitor invasive and	1	II be visual and as-needed. If it is determined propriate BLM authorities will be contacted with
Success standards: 100% com	pliance with applicable	regulations.	

**Pit closure description**: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.

**Operator Name:** XTO ENERGY INCORPORATED **Well Name:** CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

Pit closure attachment:

#### Section 11 - Surface Ownership

Disturbance type: OTHER

**Describe:** Flowline

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

**COE Local Office:** 

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

**USFWS Local Office:** 

Other Local Office:

USFS Region:

USFS Forest/Grassland:

#### USFS Ranger District:

Disturbance type: WELL PAD

**Describe:** 

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

**BOR Local Office:** 

COE Local Office:

**DOD Local Office:** 

**NPS Local Office:** 

**State Local Office:** 

Military Local Office:

Operator Name: XTO ENERGY INCORPORATED	
Well Name: CHAIN-BLUE LIGHTNING 26 FED	Well Number: 125H
USFWS Local Office:	
Other Local Office:	
USFS Region:	
USFS Forest/Grassland:	USFS Ranger District:
<b>B</b> isturbance times OTUED	
Disturbance type: OTHER Describe: Electric	
Surface Owner: BUREAU OF LAND MANAGEMENT	
Other surface owner description: BIA Local Office:	1
BOR Local Office:	
COE Local Office:	
DOD Local Office:	
NPS Local Office:	
State Local Office:	
Military Local Office:	
USFWS Local Office:	
Other Local Office:	
USFS Region:	
USFS Forest/Grassland:	USFS Ranger District:
Disturbance type: NEW ACCESS ROAD	
Describe:	
Surface Owner: BUREAU OF LAND MANAGEMENT	
Other surface owner description:	
BIA Local Office:	
BOR Local Office:	
COE Local Office:	
DOD Local Office:	
`	Page 12 of 14

Operator Name: XTO ENERGY INCORPORATED Well Name: CHAIN-BLUE LIGHTNING 26 FED

Well Number: 125H

NPS Local Office: State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

**USFS Ranger District:** 

Disturbance type: OTHER

Describe: Central Tank Battery

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

**DOD Local Office:** 

NPS Local Office:

State Local Office:

Military Local Office:

**USFWS Local Office:** 

Other Local Office:

USFS Region:

USFS Forest/Grassland:

#### **USFS Ranger District:**

#### **Section 12 - Other Information**

Right of Way needed? YES

#### Use APD as ROW? YES

**ROW Type(s):** 281001 ROW - ROADS,288100 ROW - O&G Pipeline,288101 ROW - O&G Facility Sites,288103 ROW - Salt Water Disposal Pipeline/Facility,288104 ROW - Salt Water Disposal ApIn/Fac-FLPMA,289001 ROW- O&G Well Pad,FLPMA (Powerline)

<b>Operator Name:</b> XTO ENERGY INCORPORATED <b>Well Name:</b> CHAIN-BLUE LIGHTNING 26 FED	Well Number	: 125H
ROW Applications		

SUPO Additional Information: Use a previously conducted onsite? NO

**Previous Onsite information:** 

# **Other SUPO Attachment**

Chain\_26\_Fed\_List\_20190525074827.pdf Chain\_26\_Fed\_SUPO1\_20190916074604.pdf

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