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

Sundry Print Report

09/26/2024

Well Name: JAMES RANCH UNIT DI 8 EAGLE

Well Location: T22S / R30E / SEC 36 / NWSW / 32.348026 / -103.837369

County or Parish/State: EDDY / NM

Well Number: 701H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM002953C

Unit or CA Name: JAMES RANCH

Unit or CA Number: NMNM070965Z

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2667189

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 04/15/2022

Time Sundry Submitted: 10:53

Date proposed operation will begin: 05/01/2022

Procedure Description: **Pool Change, Casing/Cement, Drilling Variance Changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: Change Pool from: Los Medanos; Wolfcamp (South) to Los Medanos; Bone Spring No Additional Surface Disturbance Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Multibowl Diagram

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

JRU_DI_8_Eagle_701H_Attachments_20220506125541.pdf

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Conditions of Approval

Additional

Sec_36_22S_30E_NMP_Sundry_2667189_James_Ranch_Unit_DI_8_Eagle_701H_Eddy_NMNM0029353C_XTO_COAs_20220510124051.pdf

Sec_36_22S_30E_NMP_Sundry_2667189_James_Ranch_Unit_DI_8_Eagle_701H_Eddy_NMNM0029353C_XTO_13_22_44691_Allison_Morency_20220510124045.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: STEPHANIE RABADUE

Signed on: MAY 06, 2022 12:55 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Coordinator

Street Address: 500 W. Illinois St, Ste 100

City: Midland **State:** TX

Phone: (432) 620-6714

Email address: STEPHANIE.RABADUE@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 05/11/2022

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

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

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWSW / 2436 FSL / 1718 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.348026 / LONG: -103.837369 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 530 FNL / 2300 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.354382 / LONG: -103.835467 (TVD: 11044 feet, MD: 11700 feet)

BHL: NENE / 330 FNL / 50 FEL / TWSP: 22S / RANGE: 31E / SECTION: 31 / LAT: 32.354362 / LONG: -103.808625 (TVD: 11194 feet, MD: 19950 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating
WELL NAME & NO.:	James Ranch Unit DI 8 Eagle 701H
LOCATION:	Sec 36-22S-30E-NMP
COUNTY:	Eddy County, NM

Updated COAs per Sundry 2667189 *approved through engineering on 05/10/2022.*

COA

H2S	(•) Yes	( ) No	
Potash	( ) None	( ) Secretary	(•) R-111-P
Cave/Karst Potential	( ) Low	(•) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Other	[ ] 4 String Area	[ ] Capitan Reef	[ ] WIPP
Other	[ ] Fluid Filled	[ ] Cement Squeeze	[ ] Pilot Hole
Special Requirements	[ ] Water Disposal	[ ] COM	[x] Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Salado** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **525** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface. *Adjustment due to BLM geologist and protecting usable water zone.*

    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 will be a minimum of **24 hours in the Potash Area** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

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.

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. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ In R111 Potash Areas if cement does not circulate to surface on the first two salt protection casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement should tie back at least **500 feet** into the previous casing string. Operator should provide method of verification. If cement does not circulate see B.1.a, c-d above.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **500 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. 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 **5000 (5M)** 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. 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.
    e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to 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

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

1. 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.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.

2. 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 are located, this does not include the dog house or stairway area.

3. 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.

A. CASING

1. 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.

2. Wait on cement (WOC) for Potash Areas: 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 for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. 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 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. 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.

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

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. 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.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. 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 RP 53 Sec. 17.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. 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.

3. 5M or higher 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. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    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. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    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.

5. The appropriate BLM office shall be notified a minimum of 4 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).

    b. In potash areas, 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. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except

the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. 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.

e. The results of the test shall be reported to the appropriate BLM office.

f. 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.

g. 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.

h. 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.

C. 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.

D. 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.

Sec 36-22S-30E-NMP Sundry 2667189 James Ranch Unit DI 8 Eagle 701H Eddy NMNM0029353C XTO 13-22 44691 Allison Morency

James Ranch Unit DI 8 Eagle 701H

13 3/8 surface csg in a 17 1/2 inch hole. Design Factors — Surface

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	J 55	BTC	29.82	4.6	1.36	525	12	2.27	8.70	28,613
"B"			BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500			Tail Cmt	does not	circ to sfc.	Totals:	525				28,613

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	500	779	365	114	9.00	1200	2M	1.56

Site plat (pipe racks S or E) as per O.O. 1 III.D.4.i. not found

9 5/8 casing inside the 13 3/8 Design Factors — Int 1

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00	J 55	BTC	4.27	1.28	0.92	3,688	2	1.73	2.14	147,520
"B"							0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	3,688				147,520
The cement volume(s) are intended to achieve a top of				0	ft from surface or a		525				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.3132	1650	2288	1181	94	10.50	2288	3M	0.81

Class 'H' tail cmt yld > 1.20

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.07, b, c, d All > 0.70, OK.

7 5/8 casing inside the 9 5/8 Design Factors — Int 2

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	RY P 110	Flush Joint	2.08	2.99	1.76	3,788	2	2.95	5.59	112,504
"B"	29.70	HCL 80	Flush Joint	2.60	1.35	1.28	5,663	2	2.14	2.53	168,191
w/8.4#/g mud, 30min Sfc Csg Test psig: 866						Totals:	9,451				280,695
The cement volume(s) are intended to achieve a top of				3100	ft from surface or a		588				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
8 3/4	0.1005	430	808	643	26	9.10	3210	5M	0.56

Class 'H' tail cmt yld > 1.20

Tail cmt

5 1/2 casing inside the 7 5/8 Design Factors — Prod 1

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	RY P 110	Semi-Premiur	3.25	2.18	2.35	9,351	2	3.94	3.65	187,020
"B"	20.00	RY P 110	Semi-Flush	62.48	2.06	2.35	9,370	2	3.94	3.46	187,400
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,057						Totals:	18,721				374,420
The cement volume(s) are intended to achieve a top of				9300	ft from surface or a		151				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
6 3/4	0.0835	670	1035	788	31	10.50			0.43

Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX.

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	[2] Pool Code	[3] Pool Name
30-015-49443	40295	Los Medanos; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
	JAMES RANCH UNIT DI 8 EAGLE	701H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,308'

[10] Surface Location

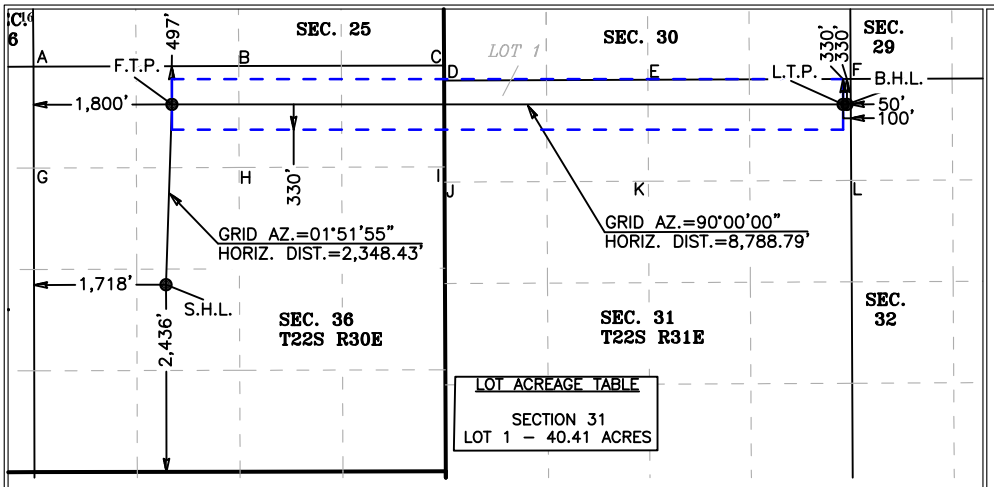
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	22S	30E		2,436	SOUTH	1,718	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	22S	31E		330	NORTH	50	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
280.41			

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.



SHL (NAD83 NME)		LTP (NAD83 NME)		SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	490,698.6	Y =	493,045.8	Y =	490,638.3	Y =	492,985.5
X =	694,497.8	X =	703,313.1	X =	653,315.9	X =	662,131.1
LAT. =	32.348026 °N	LAT. =	32.354363 °N	LAT. =	32.347903 °N	LAT. =	32.354240 °N
LONG. =	103.837369 °W	LONG. =	103.808787 °W	LONG. =	103.836877 °W	LONG. =	103.808295 °W
FTP (NAD83 NME)		**BHL (NAD83 NME)**		**FTP (NAD27 NME)**		**BHL (NAD27 NME)**	
Y =	493,045.8	Y =	493,045.8	Y =	492,985.4	Y =	492,985.5
X =	694,574.3	X =	703,363.1	X =	653,392.4	X =	662,181.1
LAT. =	32.354477 °N	LAT. =	32.354362 °N	LAT. =	32.354354 °N	LAT. =	32.354239 °N
LONG. =	103.837086 °W	LONG. =	103.808625 °W	LONG. =	103.836594 °W	LONG. =	103.808134 °W

CORNER COORDINATES (NAD83 NME)			CORNER COORDINATES (NAD27 NME)		
A - Y =	493,536.7 N	X = 692,773.0 E	A - Y =	493,476.3 N	X = 651,591.1 E
B - Y =	493,545.0 N	X = 695,445.0 E	B - Y =	493,484.7 N	X = 654,263.1 E
C - Y =	493,552.3 N	X = 698,117.5 E	C - Y =	493,491.9 N	X = 656,935.6 E
D - Y =	493,355.3 N	X = 698,118.3 E	D - Y =	493,295.0 N	X = 656,936.4 E
E - Y =	493,365.7 N	X = 700,771.4 E	E - Y =	493,305.4 N	X = 659,589.5 E
F - Y =	493,376.0 N	X = 703,411.4 E	F - Y =	493,315.7 N	X = 662,229.5 E
G - Y =	492,216.7 N	X = 692,776.4 E	G - Y =	492,156.4 N	X = 651,594.5 E
H - Y =	492,224.7 N	X = 695,449.4 E	H - Y =	490,640.3 N	X = 653,130.9 E
I - Y =	492,232.2 N	X = 698,122.5 E	I - Y =	490,639.4 N	X = 653,160.9 E
J - Y =	492,034.6 N	X = 698,123.3 E	J - Y =	490,639.2 N	X = 653,190.8 E
K - Y =	492,045.4 N	X = 700,778.3 E	K - Y =	490,638.3 N	X = 653,315.9 E
L - Y =	492,056.1 N	X = 703,418.0 E	L - Y =	490,638.0 N	X = 653,345.8 E

[17] OPERATOR CERTIFICATION

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

Stephanie Rabadue 04/14/2022
Signature Date

Stephanie Rabadue
Printed Name

stephanie.rabadue@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

4-12-2022
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number AW 2019072356

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
James Ranch Unit DI 8 Eagle 701H
Projected TD: 18721' MD / 9864' TVD
SHL: 2436' FSL & 1718' FWL , Section 36, T22S, R30E
BHL: 330' FNL & 50' FEL , Section 31, T22S, R31E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	289'	Water
Top of Salt	596'	Water
Base of Salt	3588'	Water
Delaware	3831'	Water
Brushy Canyon	6446'	Water/Oil/Gas
Bone Spring	7658'	Water
1st Bone Spring Ss	8699'	Water/Oil/Gas
2nd Bone Spring Ss	9532'	Water/Oil/Gas
Target/Land Curve	9752'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon
*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13.375 inch casing @ 571' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3688' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 7.625 inch casing at 9451' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 18721 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 8951 feet) per Potash regulations.

3. Casing Design

Hole Size	MD	TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 571'	571'	13.375	54.5	J-55	BTC	New	2.48	4.48	27.41
12.25	0' – 3688'	3688'	9.625	40	J-55	BTC	New	1.84	2.29	4.27
8.75	0' – 3788'	3588'	7.625	29.7	RY P-110	Flush Joint	New	3.20	3.16	1.99
8.75	3788' – 9451'	9053'	7.625	29.7	HC L-80	Flush Joint	New	2.32	3.84	2.41
6.75	0' – 9351'	8961'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.28	2.39
6.75	9351' - 18721'	9864'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.16	6.18

· Production casing meets the clearance requiremenets as tapered string crosses over before encountering the intermediate shoe, per Onshore Order 2.3.B.1
· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface and intermediate 1 casing per this Sundry
· XTO requests to not utilize centralizers in the curve and lateral
· 9.625 Collapse analyzed using 50% evacuation based on regional experience.
· 7.625 Collapse analyzed using 50% evacuation based on regional experience.
· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35
· Test on 2M annular & Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System
A. Starting Head: 13-5/8" 10M top flange x 13-3/8" bottom
B. Tubing Head: 13-5/8" 10M bottom flange x 7-1/16" 15M top flange
· Wellhead will be installed by manufacturer's representatives.
· Manufacturer will monitor welding process to ensure appropriate temperature of seal.
· Operator will test the 7-5/8" casing per BLM Onshore Order 2
· Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 571'

Lead: 200 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 300 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 250 psi 24 hr = 500 psi

Due to the high probability of not getting cement to surface during conventional top-out jobs in the area, ~10-20 ppb gravel will be added on the backside of the 1" to get cement to surface, if required.

1st Intermediate Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 3688'

Lead: 1520 sxs Class C (mixed at 12.9 ppg, 1.39 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9451'
1st Stage
Optional Lead: 160 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: 3488
Tail: 270 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6446
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 390 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6446') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement to surface. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 18721'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8951 feet
Tail: 650 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9651 feet
Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the 13.375 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. MASP should not exceed 2959 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

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 13.375, 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 571'	17.5	FW/Native	8.5-9	35-40	NC
571' - 3688'	12.25	Brine	10-10.5	30-32	NC
3688' to 9451'	8.75	BDE/OBM or FW/Brine	8.6-9.1	30-32	NC
9451' to 18721'	6.75	OBM	10-10.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 13-3/8" surface casing with brine solution. A 10.0 ppg -10.5 ppg brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. 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.

7. Auxiliary Well Control and Monitoring Equipment

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 13.375 casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. 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. The maximum anticipated bottom hole pressure for this well is 5129 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - JRU DI 8 EAGLE 701H

Measured Depth:	18721.18 ft
TVD RKB:	9864.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	490638.55 ft
Easting:	653315.10 ft
RKB:	3339.00 ft
Ground Level:	3309.00 ft
North Reference:	Grid
Convergence Angle:	0.27 Deg
Site:	JRU DI-8
Slot:	1

Plan Sections JRU DI 8 EAGLE 701H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0	0	350.49	0	0	0	0	0	0	
3600	0	350.49	3600	0	0	0	0	0	
4744.96	22.9	2.98	4714.72	225.46	11.73	2	0	2	

9650.5	22.9	2.98	9233.66	2131.69	110.89	0	0	0	
10531.69	89.22	90	9752	2347.15	676.5	7.53	9.88	10	FTP 1
18721.18	89.22	90	9864	2347.27	8865.22	0	0	0	BHL 1

Position Uncertainty JRU DI 8
EAGLE 701H

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD RKB (ft)	Highside Error (ft)	Bias (ft)	Lateral Error (ft)	Bias (ft)	Vertical Error (ft)	Bias (ft)	Magnitude of Bias (ft)	Semi-major Error (ft)	Semi-minor Error (ft)	Semi-minor Azimuth (°)	Tool Used
0	0	350.49	0	0	0	0	0	2.297	0	0	0	0	0	XOM_R2OWSG MWD+IFR1+MS
100	0	0	100	0.358	0	0.358	0	2.299	0	0	0.358	0.358	0	XOM_R2OWSG MWD+IFR1+MS
200	0	0	200	0.717	0	0.717	0	2.307	0	0	0.717	0.717	90	XOM_R2OWSG MWD+IFR1+MS
300	0	0	300	1.075	0	1.075	0	2.321	0	0	1.075	1.075	0	XOM_R2OWSG MWD+IFR1+MS
400	0	0	400	1.434	0	1.434	0	2.34	0	0	1.434	1.434	0	XOM_R2OWSG MWD+IFR1+MS
500	0	0	500	1.792	0	1.792	0	2.364	0	0	1.792	1.792	0	XOM_R2OWSG MWD+IFR1+MS
600	0	0	600	2.151	0	2.151	0	2.394	0	0	2.151	2.151	0	XOM_R2OWSG MWD+IFR1+MS
700	0	0	700	2.509	0	2.509	0	2.428	0	0	2.509	2.509	0	XOM_R2OWSG MWD+IFR1+MS

800	0	0	800	2.868	0	2.868	0	2.467	0	0	2.868	2.868	90	XOM_R2OWSG MWD+IFR1+MS
900	0	0	900	3.226	0	3.226	0	2.511	0	0	3.226	3.226	0	XOM_R2OWSG MWD+IFR1+MS
1000	0	0	1000	3.585	0	3.585	0	2.56	0	0	3.585	3.585	0	XOM_R2OWSG MWD+IFR1+MS
1100	0	0	1100	3.943	0	3.943	0	2.613	0	0	3.943	3.943	0	XOM_R2OWSG MWD+IFR1+MS
1200	0	0	1200	4.302	0	4.302	0	2.67	0	0	4.302	4.302	0	XOM_R2OWSG MWD+IFR1+MS
1300	0	0	1300	4.66	0	4.66	0	2.731	0	0	4.66	4.66	0	XOM_R2OWSG MWD+IFR1+MS
1400	0	0	1400	5.018	0	5.018	0	2.797	0	0	5.018	5.018	0	XOM_R2OWSG MWD+IFR1+MS
1500	0	0	1500	5.377	0	5.377	0	2.866	0	0	5.377	5.377	0	XOM_R2OWSG MWD+IFR1+MS
1600	0	0	1600	5.735	0	5.735	0	2.939	0	0	5.735	5.735	0	XOM_R2OWSG MWD+IFR1+MS
1700	0	0	1700	6.094	0	6.094	0	3.016	0	0	6.094	6.094	0	XOM_R2OWSG MWD+IFR1+MS
1800	0	0	1800	6.452	0	6.452	0	3.096	0	0	6.452	6.452	0	XOM_R2OWSG MWD+IFR1+MS
1900	0	0	1900	6.811	0	6.811	0	3.179	0	0	6.811	6.811	0	XOM_R2OWSG MWD+IFR1+MS
2000	0	0	2000	7.169	0	7.169	0	3.266	0	0	7.169	7.169	0	XOM_R2OWSG MWD+IFR1+MS

2100	0	0	2100	7.528	0	7.528	0	3.355	0	0	7.528	7.528	0	XOM_R2OWSG MWD+IFR1+MS
2200	0	0	2200	7.886	0	7.886	0	3.448	0	0	7.886	7.886	0	XOM_R2OWSG MWD+IFR1+MS
2300	0	0	2300	8.245	0	8.245	0	3.544	0	0	8.245	8.245	0	XOM_R2OWSG MWD+IFR1+MS
2400	0	0	2400	8.603	0	8.603	0	3.643	0	0	8.603	8.603	0	XOM_R2OWSG MWD+IFR1+MS
2500	0	0	2500	8.962	0	8.962	0	3.745	0	0	8.962	8.962	0	XOM_R2OWSG MWD+IFR1+MS
2600	0	0	2600	9.32	0	9.32	0	3.849	0	0	9.32	9.32	0	XOM_R2OWSG MWD+IFR1+MS
2700	0	0	2700	9.679	0	9.679	0	3.956	0	0	9.679	9.679	0	XOM_R2OWSG MWD+IFR1+MS
2800	0	0	2800	10.037	0	10.037	0	4.066	0	0	10.037	10.037	0	XOM_R2OWSG MWD+IFR1+MS
2900	0	0	2900	10.396	0	10.396	0	4.179	0	0	10.396	10.396	0	XOM_R2OWSG MWD+IFR1+MS
3000	0	0	3000	10.754	0	10.754	0	4.295	0	0	10.754	10.754	0	XOM_R2OWSG MWD+IFR1+MS
3100	0	0	3100	11.112	0	11.112	0	4.413	0	0	11.112	11.112	0	XOM_R2OWSG MWD+IFR1+MS
3200	0	0	3200	11.471	0	11.471	0	4.534	0	0	11.471	11.471	0	XOM_R2OWSG MWD+IFR1+MS
3300	0	0	3300	11.829	0	11.829	0	4.657	0	0	11.829	11.829	0	XOM_R2OWSG MWD+IFR1+MS

3400	0	0	3400	12.188	0	12.188	0	4.783	0	0	12.188	12.188	0	XOM_R2OW SG MWD+IFR1+ MS
3500	0	0	3500	12.546	0	12.546	0	4.912	0	0	12.546	12.546	0	XOM_R2OW SG MWD+IFR1+ MS
3600	0	350.49	3600	12.905	0	12.905	0	5.043	0	0	12.905	12.905	0	XOM_R2OW SG MWD+IFR1+ MS
3700	2	2.978	3699.98	13.256	0	13.263	0	5.177	0	0	13.263	13.263	-0.419	XOM_R2OW SG MWD+IFR1+ MS
3800	4	2.978	3799.838	13.593	0	13.622	0	5.312	0	0	13.622	13.621	-1.127	XOM_R2OW SG MWD+IFR1+ MS
3900	6	2.978	3899.452	13.915	0	13.98	0	5.448	0	0	13.98	13.978	-0.162	XOM_R2OW SG MWD+IFR1+ MS
4000	8	2.978	3998.702	14.221	0	14.338	0	5.585	0	0	14.338	14.334	0.534	XOM_R2OW SG MWD+IFR1+ MS
4100	10	2.978	4097.465	14.512	0	14.696	0	5.724	0	0	14.696	14.688	0.984	XOM_R2OW SG MWD+IFR1+ MS
4200	12	2.978	4195.623	14.787	0	15.053	0	5.865	0	0	15.053	15.04	1.29	XOM_R2OW SG MWD+IFR1+ MS
4300	14	2.978	4293.055	15.046	0	15.41	0	6.008	0	0	15.41	15.389	1.509	XOM_R2OW SG MWD+IFR1+ MS
4400	16	2.978	4389.643	15.289	0	15.767	0	6.153	0	0	15.767	15.736	1.675	XOM_R2OW SG MWD+IFR1+ MS
4500	18	2.978	4485.268	15.517	0	16.123	0	6.301	0	0	16.123	16.08	1.804	XOM_R2OW SG MWD+IFR1+ MS
4600	20	2.978	4579.816	15.731	0	16.48	0	6.452	0	0	16.48	16.422	1.909	XOM_R2OW SG MWD+IFR1+ MS

4700	22	2.978	4673.169	15.929	0	16.837	0	6.607	0	0	16.837	16.761	1.996	XOM_R2OW SG MWD+IFR1+ MS
4744.961	22.899	2.978	4714.723	16.014	0	16.997	0	6.676	0	0	16.997	16.914	2.016	XOM_R2OW SG MWD+IFR1+ MS
4800	22.899	2.978	4765.424	16.213	0	17.194	0	6.768	0	0	17.194	17.098	2.064	XOM_R2OW SG MWD+IFR1+ MS
4900	22.899	2.978	4857.544	16.577	0	17.555	0	6.943	0	0	17.555	17.435	2.135	XOM_R2OW SG MWD+IFR1+ MS
5000	22.899	2.978	4949.663	16.945	0	17.919	0	7.124	0	0	17.919	17.775	2.179	XOM_R2OW SG MWD+IFR1+ MS
5100	22.899	2.978	5041.782	17.318	0	18.285	0	7.309	0	0	18.285	18.119	2.209	XOM_R2OW SG MWD+IFR1+ MS
5200	22.899	2.978	5133.901	17.694	0	18.654	0	7.5	0	0	18.654	18.467	2.229	XOM_R2OW SG MWD+IFR1+ MS
5300	22.899	2.978	5226.02	18.074	0	19.025	0	7.694	0	0	19.025	18.817	2.243	XOM_R2OW SG MWD+IFR1+ MS
5400	22.899	2.978	5318.139	18.456	0	19.398	0	7.894	0	0	19.398	19.17	2.253	XOM_R2OW SG MWD+IFR1+ MS
5500	22.899	2.978	5410.258	18.842	0	19.773	0	8.097	0	0	19.774	19.526	2.26	XOM_R2OW SG MWD+IFR1+ MS
5600	22.899	2.978	5502.377	19.231	0	20.151	0	8.304	0	0	20.151	19.885	2.265	XOM_R2OW SG MWD+IFR1+ MS
5700	22.899	2.978	5594.496	19.623	0	20.53	0	8.516	0	0	20.53	20.247	2.268	XOM_R2OW SG MWD+IFR1+ MS
5800	22.899	2.978	5686.615	20.017	0	20.911	0	8.731	0	0	20.911	20.61	2.269	XOM_R2OW SG MWD+IFR1+ MS

5900	22.899	2.978	5778.734	20.414	0	21.294	0	8.949	0	0	21.294	20.977	2.27	XOM_R2OW SG MWD+IFR1+ MS
6000	22.899	2.978	5870.853	20.812	0	21.678	0	9.171	0	0	21.678	21.345	2.269	XOM_R2OW SG MWD+IFR1+ MS
6100	22.899	2.978	5962.973	21.213	0	22.064	0	9.397	0	0	22.064	21.715	2.268	XOM_R2OW SG MWD+IFR1+ MS
6200	22.899	2.978	6055.092	21.616	0	22.451	0	9.625	0	0	22.451	22.088	2.266	XOM_R2OW SG MWD+IFR1+ MS
6300	22.899	2.978	6147.211	22.021	0	22.84	0	9.857	0	0	22.84	22.462	2.264	XOM_R2OW SG MWD+IFR1+ MS
6400	22.899	2.978	6239.33	22.428	0	23.229	0	10.092	0	0	23.229	22.838	2.261	XOM_R2OW SG MWD+IFR1+ MS
6500	22.899	2.978	6331.449	22.836	0	23.62	0	10.329	0	0	23.62	23.216	2.257	XOM_R2OW SG MWD+IFR1+ MS
6600	22.899	2.978	6423.568	23.247	0	24.013	0	10.57	0	0	24.013	23.596	2.254	XOM_R2OW SG MWD+IFR1+ MS
6700	22.899	2.978	6515.687	23.658	0	24.406	0	10.813	0	0	24.406	23.977	2.249	XOM_R2OW SG MWD+IFR1+ MS
6800	22.899	2.978	6607.806	24.071	0	24.8	0	11.06	0	0	24.8	24.36	2.245	XOM_R2OW SG MWD+IFR1+ MS
6900	22.899	2.978	6699.925	24.486	0	25.196	0	11.308	0	0	25.196	24.744	2.24	XOM_R2OW SG MWD+IFR1+ MS
7000	22.899	2.978	6792.044	24.901	0	25.592	0	11.56	0	0	25.592	25.129	2.235	XOM_R2OW SG MWD+IFR1+ MS
7100	22.899	2.978	6884.163	25.318	0	25.989	0	11.814	0	0	25.989	25.516	2.229	XOM_R2OW SG MWD+IFR1+ MS

7200	22.899	2.978	6976.282	25.737	0	26.387	0	12.071	0	0	26.387	25.905	2.224	XOM_R2OW SG MWD+IFR1+ MS
7300	22.899	2.978	7068.402	26.156	0	26.786	0	12.33	0	0	26.786	26.294	2.218	XOM_R2OW SG MWD+IFR1+ MS
7400	22.899	2.978	7160.521	26.576	0	27.186	0	12.592	0	0	27.186	26.685	2.212	XOM_R2OW SG MWD+IFR1+ MS
7500	22.899	2.978	7252.64	26.998	0	27.586	0	12.856	0	0	27.587	27.077	2.205	XOM_R2OW SG MWD+IFR1+ MS
7600	22.899	2.978	7344.759	27.42	0	27.988	0	13.122	0	0	27.988	27.47	2.198	XOM_R2OW SG MWD+IFR1+ MS
7700	22.899	2.978	7436.878	27.844	0	28.39	0	13.391	0	0	28.39	27.864	2.191	XOM_R2OW SG MWD+IFR1+ MS
7800	22.899	2.978	7528.997	28.268	0	28.792	0	13.663	0	0	28.792	28.26	2.184	XOM_R2OW SG MWD+IFR1+ MS
7900	22.899	2.978	7621.116	28.693	0	29.195	0	13.936	0	0	29.195	28.656	2.176	XOM_R2OW SG MWD+IFR1+ MS
8000	22.899	2.978	7713.235	29.119	0	29.599	0	14.212	0	0	29.599	29.053	2.169	XOM_R2OW SG MWD+IFR1+ MS
8100	22.899	2.978	7805.354	29.546	0	30.004	0	14.491	0	0	30.004	29.451	2.161	XOM_R2OW SG MWD+IFR1+ MS
8200	22.899	2.978	7897.473	29.973	0	30.409	0	14.771	0	0	30.409	29.851	2.152	XOM_R2OW SG MWD+IFR1+ MS
8300	22.899	2.978	7989.592	30.401	0	30.814	0	15.054	0	0	30.814	30.251	2.144	XOM_R2OW SG MWD+IFR1+ MS
8400	22.899	2.978	8081.711	30.83	0	31.22	0	15.339	0	0	31.22	30.652	2.135	XOM_R2OW SG MWD+IFR1+ MS

8500	22.899	2.978	8173.831	31.26	0	31.627	0	15.626	0	0	31.627	31.054	2.126	XOM_R2OW SG MWD+IFR1+ MS
8600	22.899	2.978	8265.95	31.69	0	32.034	0	15.916	0	0	32.034	31.456	2.116	XOM_R2OW SG MWD+IFR1+ MS
8700	22.899	2.978	8358.069	32.121	0	32.441	0	16.208	0	0	32.441	31.86	2.107	XOM_R2OW SG MWD+IFR1+ MS
8800	22.899	2.978	8450.188	32.552	0	32.849	0	16.501	0	0	32.849	32.264	2.097	XOM_R2OW SG MWD+IFR1+ MS
8900	22.899	2.978	8542.307	32.984	0	33.258	0	16.798	0	0	33.258	32.669	2.086	XOM_R2OW SG MWD+IFR1+ MS
9000	22.899	2.978	8634.426	33.416	0	33.666	0	17.096	0	0	33.667	33.075	2.076	XOM_R2OW SG MWD+IFR1+ MS
9100	22.899	2.978	8726.545	33.849	0	34.076	0	17.396	0	0	34.076	33.482	2.065	XOM_R2OW SG MWD+IFR1+ MS
9200	22.899	2.978	8818.664	34.283	0	34.485	0	17.699	0	0	34.485	33.889	2.054	XOM_R2OW SG MWD+IFR1+ MS
9300	22.899	2.978	8910.783	34.717	0	34.895	0	18.004	0	0	34.895	34.297	2.042	XOM_R2OW SG MWD+IFR1+ MS
9400	22.899	2.978	9002.902	35.151	0	35.305	0	18.311	0	0	35.306	34.706	2.03	XOM_R2OW SG MWD+IFR1+ MS
9500	22.899	2.978	9095.021	35.586	0	35.716	0	18.62	0	0	35.716	35.115	2.017	XOM_R2OW SG MWD+IFR1+ MS
9600	22.899	2.978	9187.14	36.021	0	36.127	0	18.931	0	0	36.127	35.525	2.004	XOM_R2OW SG MWD+IFR1+ MS
9650.5	22.899	2.978	9233.659	36.241	0	36.335	0	19.089	0	0	36.335	35.733	1.998	XOM_R2OW SG MWD+IFR1+ MS

9700	23.605	15.41	9279.166	36.37	0	36.505	0	19.244	0	0	36.538	35.935	1.91	XOM_R2OW SG MWD+IFR1+ MS
9800	27.658	36.706	9369.498	36.109	0	36.742	0	19.558	0	0	36.938	36.335	1.858	XOM_R2OW SG MWD+IFR1+ MS
9900	34.082	51.748	9455.415	35.058	0	36.963	0	19.872	0	0	37.31	36.71	2.118	XOM_R2OW SG MWD+IFR1+ MS
10000	41.792	62.162	9534.306	33.264	0	37.205	0	20.188	0	0	37.639	37.048	3.097	XOM_R2OW SG MWD+IFR1+ MS
10100	50.19	69.739	9603.773	30.895	0	37.45	0	20.51	0	0	37.916	37.343	5.29	XOM_R2OW SG MWD+IFR1+ MS
10200	58.971	75.626	9661.706	28.2	0	37.677	0	20.841	0	0	38.14	37.586	9.363	XOM_R2OW SG MWD+IFR1+ MS
10300	67.973	80.501	9706.345	25.526	0	37.871	0	21.184	0	0	38.32	37.769	15.865	XOM_R2OW SG MWD+IFR1+ MS
10400	77.103	84.785	9736.333	23.333	0	38.024	0	21.539	0	0	38.473	37.879	24.26	XOM_R2OW SG MWD+IFR1+ MS
10500	86.297	88.765	9750.759	22.144	0	38.127	0	21.903	0	0	38.622	37.907	32.38	XOM_R2OW SG MWD+IFR1+ MS
10531.69	89.216	89.999	9752	22.05	0	38.148	0	22.019	0	0	38.672	37.897	34.542	XOM_R2OW SG MWD+IFR1+ MS
10600	89.216	89.999	9752.934	22.306	0	38.224	0	22.276	0	0	38.778	37.872	38.407	XOM_R2OW SG MWD+IFR1+ MS
10700	89.216	89.999	9754.302	22.699	0	38.351	0	22.67	0	0	38.949	37.834	42.686	XOM_R2OW SG MWD+IFR1+ MS
10800	89.216	89.999	9755.67	23.112	0	38.494	0	23.083	0	0	39.137	37.797	45.913	XOM_R2OW SG MWD+IFR1+ MS

10900	89.216	89.999	9757.038	23.544	0	38.654	0	23.516	0	0	39.34	37.762	48.479	XOM_R2OW SG MWD+IFR1+ MS
11000	89.216	89.999	9758.405	23.993	0	38.831	0	23.967	0	0	39.557	37.729	50.606	XOM_R2OW SG MWD+IFR1+ MS
11100	89.216	89.999	9759.773	24.46	0	39.024	0	24.434	0	0	39.787	37.7	52.426	XOM_R2OW SG MWD+IFR1+ MS
11200	89.216	89.999	9761.141	24.942	0	39.233	0	24.918	0	0	40.03	37.675	54.021	XOM_R2OW SG MWD+IFR1+ MS
11300	89.216	89.999	9762.509	25.44	0	39.458	0	25.416	0	0	40.285	37.653	55.445	XOM_R2OW SG MWD+IFR1+ MS
11400	89.216	89.999	9763.877	25.951	0	39.698	0	25.929	0	0	40.554	37.634	56.733	XOM_R2OW SG MWD+IFR1+ MS
11500	89.216	89.999	9765.244	26.476	0	39.953	0	26.455	0	0	40.835	37.618	57.912	XOM_R2OW SG MWD+IFR1+ MS
11600	89.216	89.999	9766.612	27.014	0	40.223	0	26.993	0	0	41.128	37.605	59	XOM_R2OW SG MWD+IFR1+ MS
11700	89.216	89.999	9767.98	27.564	0	40.508	0	27.544	0	0	41.433	37.595	60.01	XOM_R2OW SG MWD+IFR1+ MS
11800	89.216	89.999	9769.348	28.124	0	40.808	0	28.105	0	0	41.751	37.588	60.953	XOM_R2OW SG MWD+IFR1+ MS
11900	89.216	89.999	9770.715	28.695	0	41.121	0	28.677	0	0	42.08	37.584	61.837	XOM_R2OW SG MWD+IFR1+ MS
12000	89.216	89.999	9772.083	29.277	0	41.448	0	29.259	0	0	42.421	37.582	62.669	XOM_R2OW SG MWD+IFR1+ MS
12100	89.216	89.999	9773.451	29.867	0	41.788	0	29.85	0	0	42.774	37.583	63.454	XOM_R2OW SG MWD+IFR1+ MS

12200	89.216	89.999	9774.819	30.466	0	42.142	0	30.45	0	0	43.137	37.586	64.196	XOM_R2OW SG MWD+IFR1+ MS
12300	89.216	89.999	9776.186	31.074	0	42.508	0	31.058	0	0	43.512	37.591	64.9	XOM_R2OW SG MWD+IFR1+ MS
12400	89.216	89.999	9777.554	31.689	0	42.886	0	31.674	0	0	43.898	37.598	65.568	XOM_R2OW SG MWD+IFR1+ MS
12500	89.216	89.999	9778.922	32.311	0	43.277	0	32.297	0	0	44.295	37.608	66.203	XOM_R2OW SG MWD+IFR1+ MS
12600	89.216	89.999	9780.29	32.941	0	43.679	0	32.927	0	0	44.702	37.619	66.808	XOM_R2OW SG MWD+IFR1+ MS
12700	89.216	89.999	9781.658	33.577	0	44.093	0	33.564	0	0	45.12	37.632	67.386	XOM_R2OW SG MWD+IFR1+ MS
12800	89.216	89.999	9783.025	34.219	0	44.518	0	34.207	0	0	45.547	37.648	67.937	XOM_R2OW SG MWD+IFR1+ MS
12900	89.216	89.999	9784.393	34.867	0	44.954	0	34.855	0	0	45.985	37.664	68.463	XOM_R2OW SG MWD+IFR1+ MS
13000	89.216	89.999	9785.761	35.521	0	45.4	0	35.509	0	0	46.432	37.683	68.967	XOM_R2OW SG MWD+IFR1+ MS
13100	89.216	89.999	9787.129	36.18	0	45.856	0	36.168	0	0	46.888	37.703	69.45	XOM_R2OW SG MWD+IFR1+ MS
13200	89.216	89.999	9788.496	36.843	0	46.322	0	36.833	0	0	47.354	37.725	69.912	XOM_R2OW SG MWD+IFR1+ MS
13300	89.216	89.999	9789.864	37.512	0	46.798	0	37.501	0	0	47.828	37.748	70.355	XOM_R2OW SG MWD+IFR1+ MS
13400	89.216	89.999	9791.232	38.184	0	47.283	0	38.175	0	0	48.311	37.773	70.781	XOM_R2OW SG MWD+IFR1+ MS

13500	89.216	89.999	9792.6	38.861	0	47.777	0	38.852	0	0	48.803	37.8	71.19	XOM_R2OW SG MWD+IFR1+ MS
13600	89.216	89.999	9793.967	39.542	0	48.28	0	39.534	0	0	49.302	37.828	71.583	XOM_R2OW SG MWD+IFR1+ MS
13700	89.216	89.999	9795.335	40.227	0	48.791	0	40.219	0	0	49.81	37.857	71.961	XOM_R2OW SG MWD+IFR1+ MS
13800	89.216	89.999	9796.703	40.916	0	49.311	0	40.907	0	0	50.326	37.887	72.324	XOM_R2OW SG MWD+IFR1+ MS
13900	89.216	89.999	9798.071	41.607	0	49.838	0	41.6	0	0	50.849	37.919	72.675	XOM_R2OW SG MWD+IFR1+ MS
14000	89.216	89.999	9799.439	42.302	0	50.373	0	42.295	0	0	51.379	37.952	73.012	XOM_R2OW SG MWD+IFR1+ MS
14100	89.216	89.999	9800.806	43	0	50.916	0	42.993	0	0	51.917	37.987	73.338	XOM_R2OW SG MWD+IFR1+ MS
14200	89.216	89.999	9802.174	43.702	0	51.465	0	43.695	0	0	52.461	38.023	73.652	XOM_R2OW SG MWD+IFR1+ MS
14300	89.216	89.999	9803.542	44.405	0	52.022	0	44.399	0	0	53.012	38.06	73.955	XOM_R2OW SG MWD+IFR1+ MS
14400	89.216	89.999	9804.91	45.112	0	52.586	0	45.106	0	0	53.57	38.098	74.247	XOM_R2OW SG MWD+IFR1+ MS
14500	89.216	89.999	9806.277	45.821	0	53.156	0	45.815	0	0	54.134	38.137	74.53	XOM_R2OW SG MWD+IFR1+ MS
14600	89.216	89.999	9807.645	46.532	0	53.732	0	46.527	0	0	54.705	38.178	74.803	XOM_R2OW SG MWD+IFR1+ MS
14700	89.216	89.999	9809.013	47.246	0	54.314	0	47.241	0	0	55.281	38.219	75.068	XOM_R2OW SG MWD+IFR1+ MS

14800	89.216	89.999	9810.381	47.962	0	54.903	0	47.957	0	0	55.863	38.262	75.324	XOM_R2OW SG MWD+IFR1+ MS
14900	89.216	89.999	9811.749	48.68	0	55.497	0	48.676	0	0	56.451	38.306	75.571	XOM_R2OW SG MWD+IFR1+ MS
15000	89.216	89.999	9813.116	49.401	0	56.097	0	49.396	0	0	57.044	38.351	75.811	XOM_R2OW SG MWD+IFR1+ MS
15100	89.216	89.999	9814.484	50.123	0	56.702	0	50.118	0	0	57.642	38.397	76.043	XOM_R2OW SG MWD+IFR1+ MS
15200	89.216	89.999	9815.852	50.847	0	57.312	0	50.842	0	0	58.246	38.445	76.269	XOM_R2OW SG MWD+IFR1+ MS
15300	89.216	89.999	9817.22	51.572	0	57.928	0	51.568	0	0	58.854	38.493	76.487	XOM_R2OW SG MWD+IFR1+ MS
15400	89.216	89.999	9818.587	52.3	0	58.548	0	52.296	0	0	59.468	38.542	76.699	XOM_R2OW SG MWD+IFR1+ MS
15500	89.216	89.999	9819.955	53.029	0	59.173	0	53.025	0	0	60.086	38.593	76.904	XOM_R2OW SG MWD+IFR1+ MS
15600	89.216	89.999	9821.323	53.76	0	59.803	0	53.756	0	0	60.709	38.644	77.104	XOM_R2OW SG MWD+IFR1+ MS
15700	89.216	89.999	9822.691	54.492	0	60.437	0	54.489	0	0	61.336	38.697	77.298	XOM_R2OW SG MWD+IFR1+ MS
15800	89.216	89.999	9824.058	55.225	0	61.076	0	55.222	0	0	61.968	38.75	77.486	XOM_R2OW SG MWD+IFR1+ MS
15900	89.216	89.999	9825.426	55.96	0	61.718	0	55.957	0	0	62.603	38.804	77.669	XOM_R2OW SG MWD+IFR1+ MS
16000	89.216	89.999	9826.794	56.697	0	62.365	0	56.694	0	0	63.243	38.86	77.847	XOM_R2OW SG MWD+IFR1+ MS

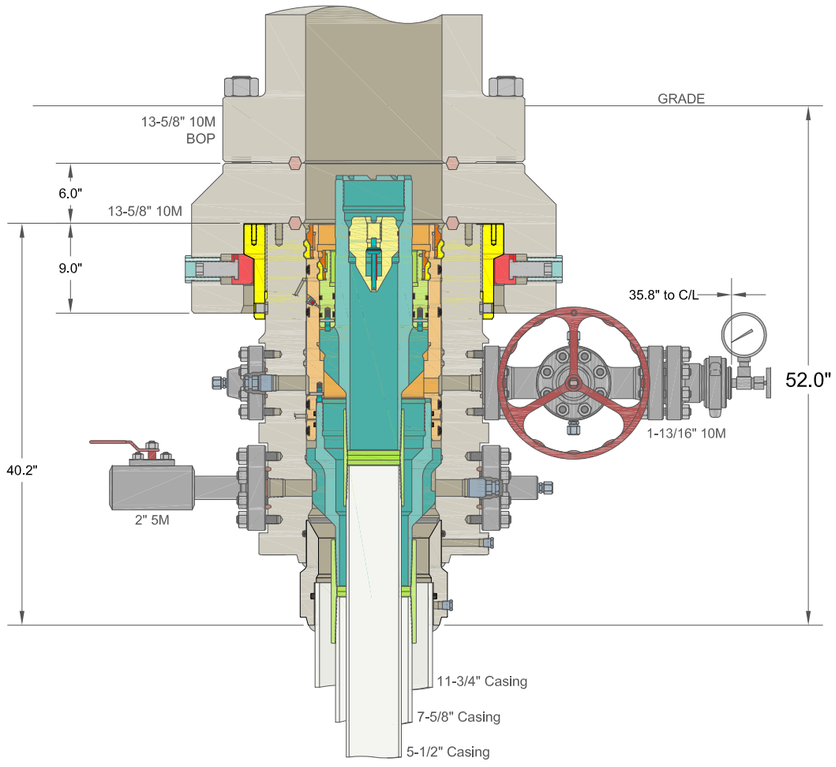
16100	89.216	89.999	9828.162	57.434	0	63.016	0	57.432	0	0	63.887	38.916	78.02	XOM_R2OW SG MWD+IFR1+ MS
16200	89.216	89.999	9829.53	58.173	0	63.67	0	58.171	0	0	64.534	38.974	78.189	XOM_R2OW SG MWD+IFR1+ MS
16300	89.216	89.999	9830.897	58.913	0	64.328	0	58.911	0	0	65.186	39.032	78.353	XOM_R2OW SG MWD+IFR1+ MS
16400	89.216	89.999	9832.265	59.654	0	64.99	0	59.652	0	0	65.841	39.091	78.512	XOM_R2OW SG MWD+IFR1+ MS
16500	89.216	89.999	9833.633	60.396	0	65.655	0	60.395	0	0	66.499	39.151	78.668	XOM_R2OW SG MWD+IFR1+ MS
16600	89.216	89.999	9835.001	61.14	0	66.323	0	61.138	0	0	67.161	39.212	78.819	XOM_R2OW SG MWD+IFR1+ MS
16700	89.216	89.999	9836.368	61.884	0	66.995	0	61.882	0	0	67.826	39.274	78.967	XOM_R2OW SG MWD+IFR1+ MS
16800	89.216	89.999	9837.736	62.629	0	67.67	0	62.628	0	0	68.494	39.337	79.111	XOM_R2OW SG MWD+IFR1+ MS
16900	89.216	89.999	9839.104	63.376	0	68.348	0	63.374	0	0	69.165	39.401	79.251	XOM_R2OW SG MWD+IFR1+ MS
17000	89.216	89.999	9840.472	64.123	0	69.029	0	64.122	0	0	69.84	39.466	79.388	XOM_R2OW SG MWD+IFR1+ MS
17100	89.216	89.999	9841.839	64.871	0	69.713	0	64.87	0	0	70.517	39.532	79.521	XOM_R2OW SG MWD+IFR1+ MS
17200	89.216	89.999	9843.207	65.62	0	70.4	0	65.619	0	0	71.197	39.598	79.651	XOM_R2OW SG MWD+IFR1+ MS
17300	89.216	89.999	9844.575	66.37	0	71.089	0	66.369	0	0	71.88	39.666	79.779	XOM_R2OW SG MWD+IFR1+ MS

17400	89.216	89.999	9845.943	67.12	0	71.781	0	67.119	0	0	72.566	39.734	79.903	XOM_R2OW SG MWD+IFR1+ MS
17500	89.216	89.999	9847.311	67.872	0	72.476	0	67.871	0	0	73.255	39.803	80.024	XOM_R2OW SG MWD+IFR1+ MS
17600	89.216	89.999	9848.678	68.624	0	73.173	0	68.623	0	0	73.945	39.873	80.142	XOM_R2OW SG MWD+IFR1+ MS
17700	89.216	89.999	9850.046	69.377	0	73.873	0	69.376	0	0	74.639	39.944	80.258	XOM_R2OW SG MWD+IFR1+ MS
17800	89.216	89.999	9851.414	70.13	0	74.575	0	70.13	0	0	75.335	40.016	80.371	XOM_R2OW SG MWD+IFR1+ MS
17900	89.216	89.999	9852.782	70.884	0	75.279	0	70.884	0	0	76.033	40.088	80.482	XOM_R2OW SG MWD+IFR1+ MS
18000	89.216	89.999	9854.149	71.639	0	75.985	0	71.639	0	0	76.733	40.162	80.59	XOM_R2OW SG MWD+IFR1+ MS
18100	89.216	89.999	9855.517	72.395	0	76.694	0	72.394	0	0	77.436	40.236	80.696	XOM_R2OW SG MWD+IFR1+ MS
18200	89.216	89.999	9856.885	73.151	0	77.405	0	73.15	0	0	78.141	40.311	80.799	XOM_R2OW SG MWD+IFR1+ MS
18300	89.216	89.999	9858.253	73.907	0	78.117	0	73.907	0	0	78.848	40.387	80.9	XOM_R2OW SG MWD+IFR1+ MS
18400	89.216	89.999	9859.621	74.665	0	78.832	0	74.665	0	0	79.557	40.464	81	XOM_R2OW SG MWD+IFR1+ MS
18500	89.216	89.999	9860.988	75.422	0	79.549	0	75.422	0	0	80.268	40.541	81.097	XOM_R2OW SG MWD+IFR1+ MS
18600	89.216	89.999	9862.356	76.181	0	80.268	0	76.181	0	0	80.981	40.62	81.191	XOM_R2OW SG MWD+IFR1+ MS

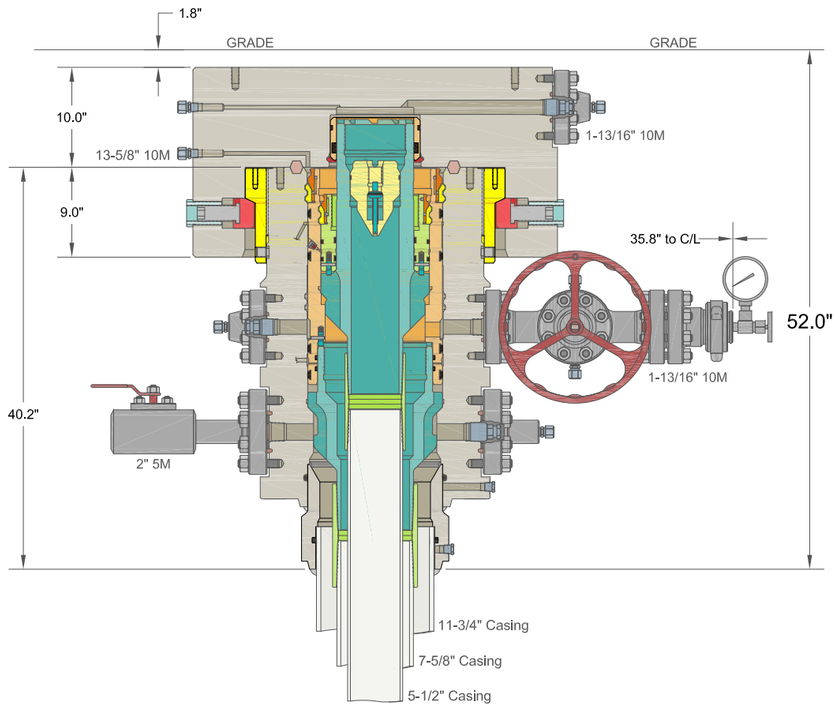
18700	89.216	89.999	9863.724	76.94	0	80.988	0	76.94	0	0	81.696	40.699	81.285	XOM_R2OW SG MWD+IFR1+ MS
18721.18	89.216	89.999	9864	77.101	0	81.141	0	77.101	0	0	81.848	40.716	81.304	XOM_R2OW SG MWD+IFR1+ MS

Pl... Targets	JRU DI 8 EAGLE 701H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 1	10531.69	492985.7	653991.6	6413	RECTANGLE
BHL 1	18721.18	492985.82	662180.32	6525	RECTANGLE



DRILLING



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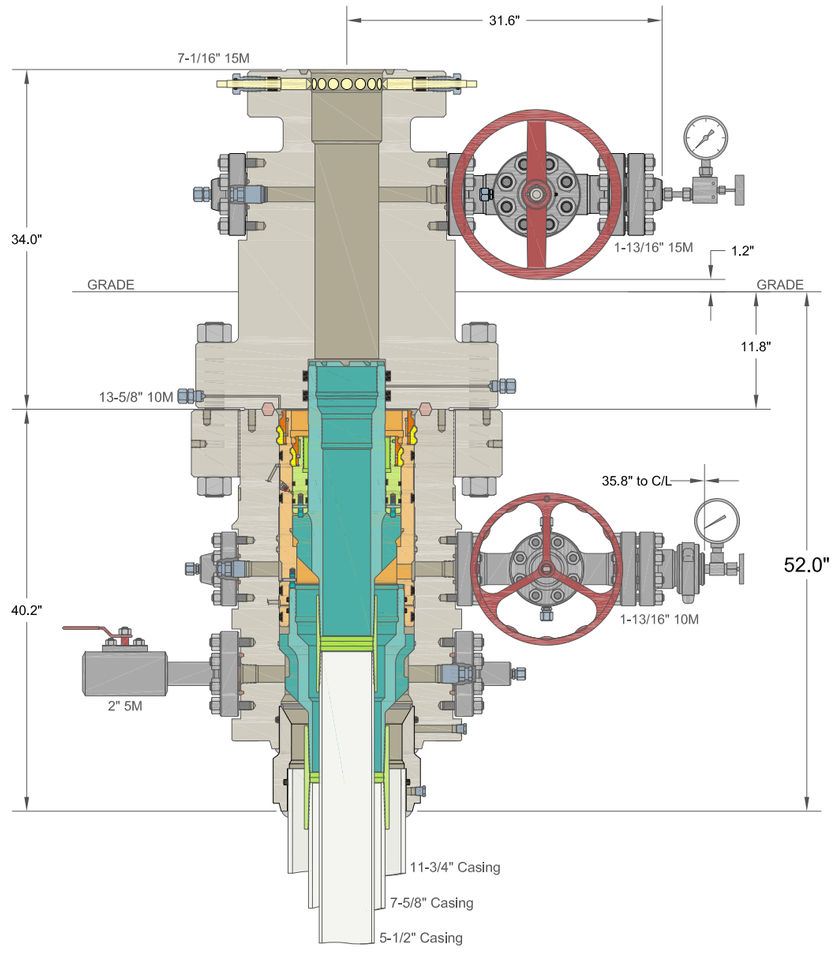

COMPLETION

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	XTO ENERGY INC POKER LAKE, NM		
30" x 11-3/4" x 7-5/8" x 5-1/2" MBU-3T-SF SOW Wellhead System With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And 7-5/8" & 5-1/2" Fluted Mandrel Casing Hangers	DRAWN	DLE	09DEC19
	APPRV		
	DRAWING NO.	ODE0003261	

Sante Fe Main Office
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 387670

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 387670
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Prior to the submission of this C-104, there was a C-103 NOI submitted for approval. The C-103 NOI was not approved or rejected; however, the work requested in the C-103 NOI was performed and completed without NMOCD approval. This action is currently under review from our legal department.	12/3/2024