

Sundry Print Reports
05/12/2025

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

Well Name: RIGHT POPULAR 20 FED Well Location: T25S / R29E / SEC 20 / County or Parish/State: EDDY /

NENE / 32.119731 / -103.999218 NM

Well Number: 404H Type of Well: CONVENTIONAL GAS Allottee or Tribe Name:

WELL

Lease Number: NMNM96848 Unit or CA Name: Unit or CA Number:

US Well Number: Operator: XTO ENERGY

INCORPORATED

Notice of Intent

Sundry ID: 2844245

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/28/2025 Time Sundry Submitted: 11:07

Date proposed operation will begin: 04/30/2025

Procedure Description: XTO Energy Inc. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, and proposed total depth. APD ID 10400095116 FROM: TO: KOP: 1095' FNL & 372' FEL OF SECTION 20-T25S-R29E 616' FSL & 1450' FEL OF SECTION 17-T25S-R29E FTP: 330' FNL & 330' FEL OF SECTION 20-T25S-R29E 100' FNL & 1450' FEL OF SECTION 20-T25S-R29E LTP: 330' FSL & 330' FEL OF SECTION 32-T25S-R29E 330' FSL & 1450' FEL OF SECTION 32-T25S-R29E BHL: 280' FSL & 330' FEL OF SECTION 32-T25S-R29E 50' FSL & 1450' FEL OF SECTION 32-T25S-R29E The proposed total depth is changing from 25827' MD; 10060' TVD to 27439' MD; 10836' TVD. There is no new surface disturbance.

NOI Attachments

Procedure Description

Right_Popular_20_Fed_404H_Sundry_Change_Attachments_20250423171955.pdf

eceived by OCD: 5/15/2025 6:17:38 PM Well Name: RIGHT POPULAR 20 FED

Well Location: T25S / R29E / SEC 20 /

NENE / 32.119731 / -103.999218

County or Parish/State: Page 2 of

Well Number: 404H

Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

Lease Number: NMNM96848

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: XTO ENERGY

INCORPORATED

Conditions of Approval

Additional

252920_Right_Popular_20_Fed_404H_05_02_2025_JAM_COAs_20250502045026.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: VISHAL RAJAN Signed on: APR 23, 2025 05:22 PM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Clerk

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND State: TX

Phone: (432) 620-6704

Email address: VISHAL.RAJAN@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: 05/12/2025

Signature: Chris Walls

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BURI	EAU OF LAND MANAGEME	5. Lease Serial No.				
Do not use this t	IOTICES AND REPORTS Of form for proposals to drill of Use Form 3160-3 (APD) for	6. If Indian, Allottee or Trib	e Name			
SUBMIT IN T	TRIPLICATE - Other instructions on	n page 2	-	7. If Unit of CA/Agreement	, Name a	and/or No.
1. Type of Well Oil Well Gas W	_			8. Well Name and No.		
2. Name of Operator				9. API Well No.		
3a. Address	3b. Phone	e No. (includ	de area code) 10. Field and Pool or Explo	ratory A	геа
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)			11. Country or Parish, State		
12. CHE	CK THE APPROPRIATE BOX(ES) TO	O INDICAT	E NATURE	OF NOTICE, REPORT OR O	THER [DATA
TYPE OF SUBMISSION			TYF	PE OF ACTION		
Notice of Intent		Deepen Hydraulic F	Fracturing	Production (Start/Resumo	e)	Water Shut-Off Well Integrity
Subsequent Report		New Constr		Recomplete		Other
Subsequent Report	Change Plans	Plug and Al	bandon	Temporarily Abandon		
Final Abandonment Notice	Convert to Injection	Plug Back		Water Disposal		
is ready for final inspection.)	tices must be filed only after all require					
14. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed					
		Title				
Signature		Date				
	THE SPACE FOR F	EDERA	L OR ST	ATE OFICE USE		
Approved by			Title			
Conditions of approval, if any, are attackertify that the applicant holds legal or ewhich would entitle the applicant to con	equitable title to those rights in the subj		Date			
Title 18 U.S.C Section 1001 and Title 43	3 U.S.C Section 1212, make it a crime	for any pers	on knowing	ly and willfully to make to any	departm	nent 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, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

(Form 3160-5, page 2)

Additional Information

Additional Remarks

There is no new surface disturbance.

Location of Well

0. SHL: NENE / 1095 FNL / 372 FEL / TWSP: 25S / RANGE: 29E / SECTION: 20 / LAT: 32.119731 / LONG: -103.999218 (TVD: 0 feet, MD: 0 feet) PPP: NESE / 2657 FSL / 339 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.100852 / LONG: -103.999038 (TVD: 10060 feet, MD: 18200 feet) PPP: NENE / 0 FNL / 316 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.108145 / LONG: -103.999056 (TVD: 10060 feet, MD: 15600 feet) PPP: NENE / 330 FNL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 20 / LAT: 32.12183 / LONG: -103.999089 (TVD: 10060 feet, MD: 10600 feet) PPP: SESE / 1328 FSL / 349 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.097199 / LONG: -103.999029 (TVD: 10060 feet, MD: 19600 feet) BHL: SESE / 280 FSL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 32 / LAT: 32.079721 / LONG: -103.998988 (TVD: 10060 feet, MD: 25827 feet)



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Energy, Inc.
WELL NAME & NO.: Right Popular 20 Fed 404H
LOCATION: Section 20, T.25S., R.29E.
COUNTY: Eddy County

COA

H2S	• Yes	O No	
Potash	None	© Secretary	© R-111-P
Cave/Karst Potential	C Low	• Medium	C High
Cave/Karst Potential	Critical Critical		
Variance	© None	• Flex Hose	Other Other
Wellhead	C Conventional	Multibowl	© Both
Wellhead Variance	O Diverter		
Other	□4 String	☐ Capitan Reef	□WIPP
Other	☐Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	▼ Contingency	☐ EchoMeter	☐ Primary Cement
	Cement Squeeze		Squeeze
Special Requirements	☐ Water Disposal	□ COM	□ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements	☑ Break Testing	✓ Offline	☐ Casing
Variance		Cementing	Clearance

Medium Cave/Karst

Possibility of water flows in the Salado Possibility of lost circulation in the Rustler and Delaware Abnormal pressures may be encountered upon penetrating the 3rd Bone Spring Sandstone and all subsequent formations.

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 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 **9-5/8** inch surface casing shall be set at approximately **529** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **12-1/4** inch in diameter.
 - 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 **8** hours 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 **7-5/8** 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.
 - ❖ 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.

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

- 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. Excess cement calculates to 22% additional cement may be needed.

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 9-5/8 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 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 **43 CFR 3172** i must be followed.

D. SPECIAL REQUIREMENT (S)

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

Contact the BLM prior to the commencement of any offline cementing procedure.

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

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220.

BLM_NM_CFO_DrillingNotifications@BLM.GOV (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
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. 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.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

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 of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity 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 integrity 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-Q 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 **43 CFR 3172**.

- 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:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. 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.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. 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.
 - i. 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 cement), 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).
- ii. 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 cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. 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.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. 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.
- vii. 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.
- viii. 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 **43 CFR 3172**.

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.

JS 5/2/2025

Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory Visit:

https://www.emnrd.nm.gov/ocd/contact-us/

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

	Revised July 9, 2024
	Submit Electronically
	via OCD Permitting
	☐ Initial Submittal
nittal :	■ Amended Report

☐ As Drilled

XIYes □No

Subn Type

WEI	LLL	OC/	MOIT	INFO	RMA	ATION
-----	-----	-----	------	------	-----	-------

API Number	Pool Code	Pool Name			
30-015-	98220 PURPLE SAGE; WOLFCAMP (GAS)				
Property Code	Property Name RIGHT POPULAR 20 FED Well Number 404H				
OGRID No. 005380	Operator Name	Ground Level Elevation 3011'			
Surface Owner: □ State □ Fee □	Tribal X Federal	Mineral Owner: 🏿 State ☐ Fee ☐ Tribal 🛣 F	ederal		

					Surfac	ce Location				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Lo	ngitude	County
A	20	25S	29E		1,095 FNL	369 FEL	32.119	731 -1	03.999218	EDDY
Bottom Hole Location										
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Lo	ongitude	County
0	32	25S	29E		50 FSL	1,450 FEL	32.079	9086 -1	04.002607	EDDY
		1								
Dedicat	ted Acres	Infill or Defi	ning Well	Definin	g Well API	Overlapping Spacing Unit (Y/N) Conso		Consolidation	n Code	
1,9	20.00	INF	ILL			Y			С	

					Kick Of	f Point (KOP)			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
0	17	25S	29E		616 FSL	1,450 FEL	32.124482	-104.002712	EDDY
					First Tal	ce Point (FTP)	,		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
В	20	25S	29E		100 FNL	1,450 FEL	32.122513	-104.002707	EDDY
	•	•		•	Last Tak	e Point (LTP)	•		•
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
0	32	258	29E		330 FSL	1,450 FEL	32.079856	-104.002603	EDDY

Unitized Area or Area of Uniform Interest			Ground Floor Elevation:
	Spacing Unit Type	X Horizontal □ Vertical	3011'

OPERATOR CERTIFICATIONS

Order Numbers:

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

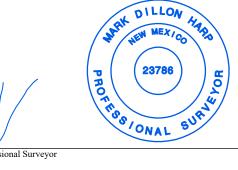
Jena Austin

Jena.N.Austin@ExxonMobil.com

SURVEYOR CERTIFICATIONS

Well setbacks are under Common Ownership:

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.



23786 03-05-2025

Date of Survey

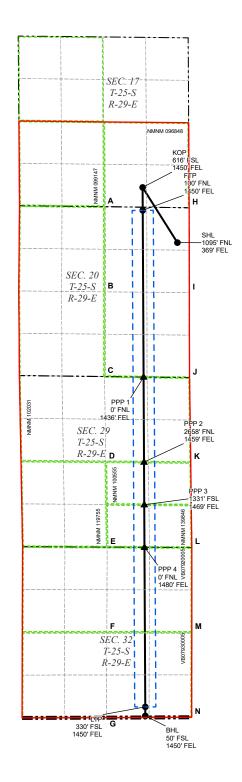
DB 618.013013.02-19

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LEGEND



	WELL COORDINATE TABLE								
WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON	
SHL	644,774.7	407,454.6	32.119731	-103.999218	603,590.6	407,396.2	32.119606	-103.998730	
KOP	643,687.7	409,179.6	32.124482	-104.002712	602,503.7	409,121.2	32.124358	-104.002224	
FTP	643,691.4	408,463.3	32.122513	-104.002707	602,507.3	408,404.8	32.122388	-104.002219	
LTP	643,771.1	392,945.7	32.079856	-104.002603	602,586.7	392,887.7	32.079731	-104.002117	
BHL	643,770.9	392,665.7	32.079086	-104.002607	602,586.5	392,607.7	32.078961	-104.002120	
PPP 1	643,718.1	403,254.7	32.108195	-104.002672	602,534.0	403,196.4	32.108070	-104.002185	
PPP 2	643,731.8	400,596.4	32.100887	-104.002655	602,547.6	400,538.1	32.100762	-104.002167	
PPP 3	643,738.6	399,265.6	32.097229	-104.002646	602,554.4	399,207.4	32.097104	-104.002158	
PPP 4	643,745.5	397,934.7	32.093570	-104.002637	602,561.2	397,876.5	32.093446	-104.002150	

CORNER COORDINATE TABLE								
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y				
Α	642,492.6	408,577.9	601,308.6	408,519.5				
В	642,494.3	405,917.9	601,310.2	405,859.6				
С	642,495.9	403,270.2	601,311.8	403,211.9				
D	642,538.1	400,606.2	601,353.9	400,547.9				
E	642,580.3	397,940.2	601,396.0	397,882.0				
F	642,568.1	395,277.1	601,383.8	395,219.0				
G	642,556.0	392,610.7	601,371.6	392,552.7				
Н	645,141.2	408,545.6	603,957.1	408,487.2				
1	645,148.4	405,891.0	603,964.2	405,832.6				
J	645,154.2	403,236.5	603,970.0	403,178.1				
K	645,190.7	400,584.5	604,006.4	400,526.2				
L	645,225.2	397,927.8	604,040.9	397,869.6				
M	645,222.7	395,276.3	604,038.3	395,218.2				
N	645,220.9	392,621.7	604,036.4	392,563.7				

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

ExxonMobil Right Popular 20 Fed 404H Projected TD: 27439' MD / 10836' TVD SHL: 1095' FNL & 369' FEL , Section 20, T25S, R29E BHL: 50' FSL & 1450' FEL , Section 32, T25S, R29E 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	Water/Oil/Gas	Section View
Salado	605'	Water	0 SHL
Base of Salt	2777'	Water	
Delaware	2986'	Water	€ 2000
Cherry Canyon	3852'	Water/Oil/Gas	\$ 4000
Brushy Canyon	5462'	Water/Oil/Gas	d +000
Basal Brushy Canyon	6471'	Water/Oil/Gas	□ 6000
Bone Spring Lm.	6713'	Water/Oil/Gas	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Avalon Shale	6879'	Water/Oil/Gas	4000 KOP
Avalon Lower	7308'	Water/Oil/Gas	КОР
1st Bone Spring Lime	7482'	Water/Oil/Gas	FTP BHL
1st Bone Spring Sand	7661'	Water/Oil/Gas	LTP
2nd Bone Spring Lime	8045'	Water/Oil/Gas	12000
2nd Bone Spring Sand	8471'	Water/Oil/Gas	-20000 -15000 -10000 -5000 0 5000
2nd Bone Spring Sand_Base B	8709'	Water/Oil/Gas	Vertical Section (ft)
3rd Bone Spring Lime	8935'	Water/Oil/Gas	mi ve
Harkey	9064'	Water/Oil/Gas	Plan View
3rd Bone Spring Upper Shale	9098'	Water/Oil/Gas	-14000 LTP
3rd Bone Spring Upper Shale Base	9314'	Water/Oil/Gas	£ ₁₂₀₀₀
3rd Bone Spring Lower Shale	9360'	Water/Oil/Gas	£10000
rd Bone Spring Lower Shale Marke	9464'	Water/Oil/Gas	₹-8000
3rd Bone Spring Sand	9528'	Water/Oil/Gas	Ž -6000
Warwink	9737'	Water/Oil/Gas	<u></u>
Red Hills	9818'	Water/Oil/Gas	
Wolfcamp A	10050'	Water/Oil/Gas	# -2000 0 0 SHL
Wolfcamp B	10356'	Water/Oil/Gas	2000 KOP
Wolfcamp C	10559'	Water/Oil/Gas	14000 9000 4000 -1000 -6000 -11000 -16000
Wolfcamp D	10736'	Water/Oil/Gas	West(-)/East(+) (ft)
Landing	10836'	Water/Oil/Gas	ΨΨΕΞΙ(-)/ ΕΔΞΙ(Τ) (IL)

	Inclinat ion (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
КОР	0	0	10120	1725	-1087
LP	90	180	10836	1009	-1083
FTP	90	180	10836	1009	-1083
LTP	90	180	10836	-14508	-1004
BHL	90	180	10836	-14789	-1002

Section 2 Summary:

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" inch casing at 580' and circulating cement back to surface.

3. Primary Casing Design Primary Design:

		_								
Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25"	0' – 580'	580'	9-5/8"	40	J55	втс	New	22.20	20.46	5.92
8.75"	0' – 4000'	3965'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.00	8.57	3.07
8.75"	4000' – 10367'	9969'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	1.88	4.56	2.19
6.75"	0' – 10267'	9870'	5-1/2"	20	P110-CY	TPN	New	1.18	2.60	2.33
6.75"	10267' – 27439'	10836'	5-1/2"	20	P110-CY	Tenaris Wedge 441	New	1.18	2.36	2.50

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement. The planned kick off point is located at: 10517' MD / 10120' TVD.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String Slim Non-Potash

Wellhead will be installed by manufacturer's representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

4. Cement Program

	Primary Cementing													
Hole Section	Slurry Type	No. Sacks		Yield (ft3/sack)		Casing Setting Depth (MD)	Excess (%)	Slurry Description						
Surface 1	Lead	83	12.4	2.11	0	580	100%	Surface 1 Class C Lead Cement						
Surface 1	Tail	141	14.8	1.33	280	580	100%	Surface 1 Class C Tail Cement						
Intermediate 1	Lead													
Intermediate 1	Tail	459	14.8	1.45	5462	10,367	35%	Intermediate 1 Class C Tail Cement						
Production 1	Lead													
Production 1	Tail	1245	13.2	1.44	9867	27,439	25%	Production 1 Class C Tail Cement						
			Re	emedial Cement	ting									
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemen	Cemented Interval		Slurry Description						
Intermediate 1	Bradenhead Squeeze	511	14.8	1.45	0	0 - 5462'		Intermediate Class C Bradenhead Squeeze Cement						

Section 4 Summary

Section 4 Summary.
*Bradenhead Squeeze 2nd Stage Offline

5. Pressure Control Equipment

Section 5 Summary:
Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril and a minimum 10M triple Ram BOP.
All BOP testing will be done by an independent service company. Operator will Test as per 43CFR-3172
Requested Variances
4A) Offline Cementing Variance
XOM 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. XOM will ensure well is static with no pressure on the csq annulus, as with all other casing strings where batch drilling operations occur before
moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will
also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
batch drilling ops.
5A) Flex Hose Variance
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.
and pressure test chart will be rept on the rig. Accorded to an example of a continuous and pressure test and a mentioned of a continuous and pressure test and a mentioned of a continuous and pressure test and a mentioned of a continuous and pressure test and a mentioned of a continuous and pressure test and a mentioned of a continuous and pressure test and a mentioned of a continuous and a con
8A) Open Hole Logging Variance
Open hole logging will not be done on this well.
10A) Spudder Rig Variance
XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.
10B) Batch Drilling Variance
XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for
offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.
Completely, No. 11 miles general miles grant gra

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 580'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
580' – 10367'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
10367' – 27439'	6.75"	ОВМ	9.5 - 12.5	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

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

Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) 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 Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

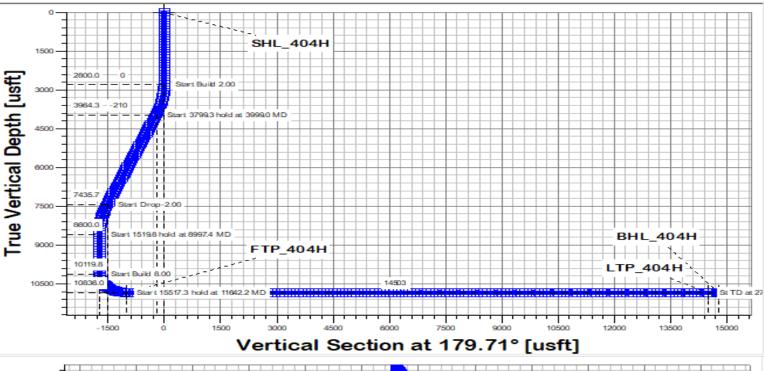
The estimated bottom hole temperature of 173F to 193F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

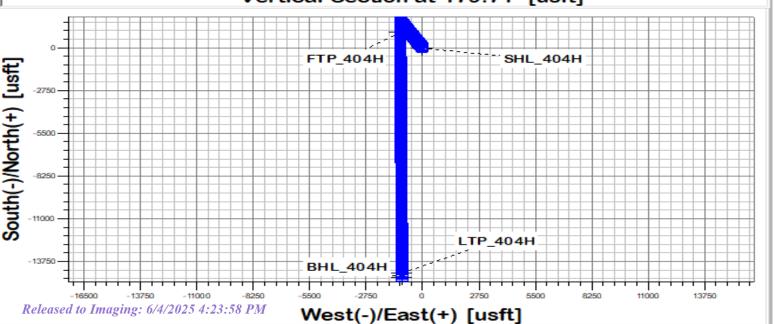
10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

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

Well Warner Right Popular 20 Fed 404H





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	<u>Formation</u>	TVDSS (feet)	TVD (feet)
	Salado	2,438'	605'
	Base of Salt	266'	2,777'
	Delaware	57'	2,986'
	Cherry Canyon	-809'	3,852'
	Brushy Canyon	-2,419'	5,462'
	Basal Brushy Canyon	-3,428'	6,471'
	Bone Spring Lm.	-3,670'	6,713'
	Avalon Shale	-3,836'	6,879'
	Avalon Lower	-4,265'	7,308'
	1st Bone Spring Lime	-4,439'	7,482'
	1st Bone Spring Sand	-4,618'	7,661'
	2nd Bone Spring Lime	-5,002'	8,045'
	2nd Bone Spring Sand	-5,428'	8,471'
D at 27	2nd Bone Spring Sand_Base B	-5,666'	8,709'
	3rd Bone Spring Lime	-5,892'	8,935'
	Harkey	-6,021'	9,064'
	3rd Bone Spring Upper Shale	-6,055'	9,098'
$\exists \parallel$	3rd Bone Spring Upper Shale Base	-6,271'	9,314'
	3rd Bone Spring Lower Shale	-6,317'	9,360'
#	3rd Bone Spring Lower Shale Marker	-6,421'	9,464'
	3rd Bone Spring Sand	-6,485'	9,528'
	Warwink	-6,694'	9,737'
$\pm \parallel$	Red Hills	-6,775'	9,818'
	Wolfcamp	-6,861'	9,904'
	Wolfcamp X	-6,881'	9,924'
	Wolfcamp Y	-6,961'	10,004'
	Wolfcamp A	-7,007'	10,050'
	Wolfcamp B	-7,313'	10,356'
	Wolfcamp C	-7,516'	10,559'
'	Wolfcamp D	-7,693'	10,736'
	Landing	-7,793'	10,836'

Long Lead_Well Planning

Right Popular 20 Fed Right Popular 20 Fed 404H Right Popular 20 Fed 404H

OH

Plan: Plan 1

Standard Planning Report - Geographic

24 February, 2025

EDM 5000.18 Single User Db Database: Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Well Right Popular 20 Fed 404H RKB (+32) @ 3043.0usft RKB (+32) @ 3043.0usft Grid

Wellbore: OH Plan 1 Design:

Minimum Curvature

Project Right Popular 20 Fed

Map System: US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS) Geo Datum:

System Datum: Mean Sea Level

Map Zone: New Mexico East 3001

Right Popular 20 Fed 404H Site Northing: 407,396.20 usft Site Position: Latitude: 32° 7' 10.583 N 603,590.60 usft 103° 59' 55.428 W Мар Easting: From: Longitude: Position Uncertainty: Slot Radius: 13-3/16 " 3.0 usft

Well Right Popular 20 Fed 404H **Well Position** +N/-S 0.0 usft Northing: 407,396.20 usft Latitude: 32° 7' 10.583 N +E/-W 0.0 usft Easting: 603,590.60 usft Longitude: 103° 59' 55.428 W Wellhead Elevation: 0.0 usft usft **Ground Level:** 3,011.0 usft **Position Uncertainty** 0.18° **Grid Convergence:**

ОН Wellbore Declination Magnetics **Model Name** Sample Date **Dip Angle** Field Strength (°) (°) (nT) IGRF2020 2/24/2025 6.30 59.62 47.007.65934286

Design Plan 1 **Audit Notes:** Version: Phase: **PLAN** Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 179.71

Plan Survey Tool Program 2/24/2025 **Depth From** Depth To (usft) Survey (Wellbore) **Tool Name** (usft) Remarks 1 0.0 27,439.5 Plan 1 (OH) XOM_R2OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-St

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: Design: Right Popular 20 OH Plan 1 Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well Right Popular 20 Fed 404H RKB (+32) @ 3043.0usft RKB (+32) @ 3043.0usft Grid

Minimum Curvature

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,999.0	23.98	327.78	3,964.3	209.2	-131.8	2.00	2.00	0.00	327.78	
7,798.3	23.98	327.78	7,435.7	1,515.6	-955.1	0.00	0.00	0.00	0.00	
8,997.4	0.00	0.00	8,600.0	1,724.8	-1,087.0	2.00	-2.00	0.00	180.00	
10,517.2	0.00	0.00	10,119.8	1,724.8	-1,087.0	0.00	0.00	0.00	0.00	
11,642.2	90.00	179.71	10,836.0	1,008.6	-1,083.3	8.00	8.00	0.00	179.71 F	TP_404H
27,159.5	90.00	179.71	10,836.0	-14,508.5	-1,003.9	0.00	0.00	0.00	0.00 L	TP_404H
27,439.5	90.00	179.71	10,836.0	-14,788.5	-1,002.5	0.00	0.00	0.00	0.00 B	HL_404H

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Plan 1

Wellbore: Design: Right Popular 20 Fed 404H OH Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

ned Survey	1								
leasured			Vertical			Мар	Мар		
Depth (usft)	Inclination	Azimuth	Depth (usft)	+N/-S	+E/-W	Northing (usft)	Easting (usft)	l addenda	Laurituda
	(°)	(°)	(usit)	(usft)	(usft)	(usit)	(usit)	Latitude	Longitude
0.0		0.00	0.0	0.0	0.0	407,396.20	603,590.60	32° 7' 10.583 N	103° 59' 55.428 '
SHL_404									
605.0	0.00	0.00	605.0	0.0	0.0	407,396.20	603,590.60	32° 7' 10.583 N	103° 59' 55.428 '
Salado									
2,777.0	0.00	0.00	2,777.0	0.0	0.0	407,396.20	603,590.60	32° 7' 10.583 N	103° 59' 55.428
Base of									
2,800.0	0.00	0.00	2,800.0	0.0	0.0	407,396.20	603,590.60	32° 7' 10.583 N	103° 59' 55.428
2,900.0	2.00	327.78	2,900.0	1.5	-0.9	407,397.68	603,589.67	32° 7' 10.598 N	103° 59' 55.439
2,986.1	3.72	327.78	2,986.0	5.1	-3.2	407,401.31	603,587.38	32° 7' 10.634 N	103° 59' 55.466
Delawar		007.70	0.000.0	5.0	0.7	407 400 40	000 500 00	000 71 40 040 14	1000 501 55 170
3,000.0		327.78	2,999.8	5.9	-3.7	407,402.10	603,586.88	32° 7' 10.642 N	103° 59' 55.472
3,100.0	6.00	327.78	3,099.5	13.3	-8.4	407,409.48	603,582.24	32° 7' 10.715 N	103° 59' 55.525
3,200.0	8.00	327.78	3,198.7	23.6	-14.9	407,419.79	603,575.74	32° 7' 10.817 N	103° 59' 55.600 103° 59' 55.697
3,300.0	10.00	327.78 327.78	3,297.5 3,395.6	36.8 53.0	-23.2 -33.4	407,433.02	603,567.40 603,557.23	32° 7' 10.948 N	103 59 55.697 103° 59' 55.815
3,400.0 3,500.0	12.00 14.00	327.78	3,493.1	72.0	-33.4 -45.4	407,449.16 407,468.19	603,545.23	32° 7' 11.108 N 32° 7' 11.297 N	103° 59' 55.953
3,600.0	16.00	327.78	3,589.6	93.9	-43.4 -59.2	407,490.09	603,531.43	32° 7' 11.514 N	103° 59' 56.113
3,700.0	18.00	327.78	3,685.3	118.6	-74.8	407,514.82	603,515.85	32° 7' 11.759 N	103° 59' 56.293
3,800.0	20.00	327.78	3,779.8	146.2	-74.0 -92.1	407,542.36	603,498.49	32° 7' 12.032 N	103° 59' 56.494
3,877.2	21.54	327.78	3,852.0	169.3	-106.7	407,565.53	603,483.89	32° 7' 12.262 N	103° 59' 56.663
Cherry C		027.70	0,002.0	100.0	-100.7	407,000.00	000,400.00	02 1 12.202 IV	100 00 00.000
3,900.0	22.00	327.78	3,873.2	176.5	-111.2	407.572.68	603.479.38	32° 7' 12.333 N	103° 59' 56.715
3,999.0	23.98	327.78	3,964.3	209.2	-131.8	407,605.41	603,458.76	32° 7' 12.658 N	103° 59' 56.954
4,000.0	23.98	327.78	3,965.2	209.5	-132.0	407,605.73	603,458.55	32° 7' 12.661 N	103° 59' 56.956
4,100.0	23.98	327.78	4,056.6	243.9	-153.7	407,640.12	603,436.88	32° 7' 13.002 N	103° 59' 57.207
4,200.0	23.98	327.78	4,148.0	278.3	-175.4	407,674.50	603,415.21	32° 7' 13.343 N	103° 59' 57.458
4,300.0	23.98	327.78	4,239.3	312.7	-197.1	407,708.89	603,393.55	32° 7' 13.684 N	103° 59' 57.709
4,400.0	23.98	327.78	4,330.7	347.1	-218.7	407,743.27	603,371.88	32° 7' 14.025 N	103° 59' 57.959
4,500.0	23.98	327.78	4,422.1	381.5	-240.4	407,777.66	603,350.21	32° 7' 14.366 N	103° 59' 58.210
4,600.0	23.98	327.78	4,513.4	415.8	-262.1	407,812.04	603,328.54	32° 7' 14.707 N	103° 59' 58.46′
4,700.0	23.98	327.78	4,604.8	450.2	-283.7	407,846.43	603,306.87	32° 7' 15.048 N	103° 59' 58.712
4,800.0	23.98	327.78	4,696.2	484.6	-305.4	407,880.81	603,285.20	32° 7' 15.388 N	103° 59' 58.962
4,900.0	23.98	327.78	4,787.5	519.0	-327.1	407,915.20	603,263.53	32° 7' 15.729 N	103° 59' 59.213
5,000.0	23.98	327.78	4,878.9	553.4	-348.7	407,949.58	603,241.86	32° 7' 16.070 N	103° 59' 59.464
5,100.0	23.98	327.78	4,970.3	587.8	-370.4	407,983.97	603,220.19	32° 7' 16.411 N	103° 59' 59.715
5,200.0	23.98	327.78	5,061.6	622.2	-392.1	408,018.35	603,198.52	32° 7' 16.752 N	103° 59' 59.965
5,300.0	23.98	327.78	5,153.0	656.5	-413.8	408,052.74	603,176.85	32° 7' 17.093 N	104° 0' 0.216
5,400.0	23.98	327.78	5,244.4	690.9	-435.4	408,087.12	603,155.18	32° 7' 17.434 N	104° 0' 0.467
5,500.0	23.98	327.78	5,335.7	725.3	-457.1	408,121.51	603,133.51	32° 7' 17.775 N	104° 0' 0.717
5,600.0		327.78	5,427.1	759.7	-478.8	408,155.89	603,111.84	32° 7' 18.116 N	104° 0' 0.968
5,638.2		327.78	5,462.0	772.8	-487.0	408,169.03	603,103.57	32° 7' 18.246 N	104° 0' 1.064
Brushy (
5,700.0		327.78	5,518.5	794.1	-500.4	408,190.28	603,090.17	32° 7' 18.457 N	104° 0' 1.219
5,800.0		327.78	5,609.8	828.5	-522.1	408,224.66	603,068.50	32° 7' 18.798 N	104° 0' 1.470
5,900.0		327.78	5,701.2 5,703.6	862.8	-543.8	408,259.05	603,046.83	32° 7' 19.139 N	104° 0' 1.720
6,000.0	23.98	327.78	5,792.6	897.2	-565.4 597.1	408,293.43	603,025.17	32° 7' 19.480 N	104° 0' 1.971
6,100.0	23.98	327.78	5,883.9 5,075.3	931.6	-587.1	408,327.82	603,003.50	32° 7' 19.821 N	104° 0' 2.222
6,200.0		327.78	5,975.3	966.0	-608.8	408,362.20	602,981.83	32° 7' 20.162 N	104° 0' 2.473
6,300.0		327.78 327.78	6,066.7	1,000.4	-630.4	408,396.59	602,960.16	32° 7' 20.503 N	104° 0' 2.723
6,400.0	23.98	327.78 327.78	6,158.0 6,240.4	1,034.8	-652.1	408,430.97	602,938.49	32° 7' 20.844 N 32° 7' 21.185 N	104° 0' 2.974
6,500.0 6,600.0	23.98 23.98	327.78 327.78	6,249.4 6,340.8	1,069.2 1,103.5	-673.8 -695.5	408,465.36 408,499.74	602,916.82 602,895.15	32 7 21.185 N 32° 7' 21.526 N	104° 0' 3.225 104° 0' 3.476
6,700.0		327.78	6,432.2	1,103.5	-095.5 -717.1	408,534.13	602,873.48	32° 7' 21.866 N	104° 0' 3.476

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Plann	ed Survey									
M	easured			Vertical			Мар	Мар		
	Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
	(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
	6,742.5	23.98	327.78	6,471.0	1,152.5	-726.3	408,548.75	602,864.27	32° 7' 22.011 N	104° 0' 3.833 W
		ushy Canyon								
	6,800.0	23.98	327.78	6,523.5	1,172.3	-738.8	408,568.51	602,851.81	32° 7' 22.207 N	104° 0' 3.977 W
	6,900.0	23.98	327.78	6,614.9	1,206.7	-760.5	408,602.90	602,830.14	32° 7' 22.548 N	104° 0' 4.228 W
	7,000.0	23.98	327.78	6,706.3	1,241.1	-782.1	408,637.28	602,808.47	32° 7' 22.889 N	104° 0' 4.479 W
	7,007.4	23.98	327.78	6,713.0	1,243.6	-783.7	408,639.82	602,806.87	32° 7' 22.914 N	104° 0' 4.497 W
	7,100.0	23.98	327.78	6,797.6	1,275.5	-803.8	408,671.67	602,786.80	32° 7' 23.230 N	104° 0' 4.729 W
	7,189.1	23.98	327.78	6,879.0	1,306.1	-823.1	408,702.29	602,767.50	32° 7' 23.534 N	104° 0' 4.953 W
	Avalon S			2,21.212	.,		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	7,200.0	23.98	327.78	6,889.0	1,309.9	-825.5	408,706.05	602,765.13	32° 7' 23.571 N	104° 0' 4.980 W
	7,300.0	23.98	327.78	6,980.4	1,344.2	-847.1	408,740.44	602,743.46	32° 7' 23.912 N	104° 0' 5.231 W
	7,400.0	23.98	327.78	7,071.7	1,378.6	-868.8	408,774.82	602,721.79	32° 7' 24.253 N	104° 0' 5.482 W
	7,500.0	23.98	327.78	7,163.1	1,413.0	-890.5	408,809.21	602,700.12	32° 7' 24.594 N	104° 0' 5.732 W
	7,600.0	23.98	327.78	7,254.5	1,447.4	-912.1	408,843.59	602,678.45	32° 7' 24.935 N	104° 0' 5.983 W
	7,658.6	23.98	327.78	7,308.0	1,467.5	-924.8	408,863.74	602,665.76	32° 7' 25.135 N	104° 0' 6.130 W
	Avalon L	.ower								
	7,700.0	23.98	327.78	7,345.8	1,481.8	-933.8	408,877.98	602,656.79	32° 7' 25.276 N	104° 0' 6.234 W
	7,798.3	23.98	327.78	7,435.7	1,515.6	-955.1	408,911.78	602,635.48	32° 7' 25.611 N	104° 0' 6.480 W
	7,800.0	23.95	327.78	7,437.2	1,516.2	-955.5	408,912.36	602,635.12	32° 7' 25.617 N	104° 0' 6.485 W
	7,848.8	22.97	327.78	7,482.0	1,532.6	-965.9	408,928.81	602,624.75	32° 7' 25.780 N	104° 0' 6.605 W
		Spring Lime		7.500.0	1.540.4	070.0	400.045.04	000 044 00	000 71 05 044 N	40.40.01.0.705.144
	7,900.0	21.95	327.78	7,529.3	1,549.1	-976.3	408,945.34	602,614.33	32° 7' 25.944 N	104° 0' 6.725 W
	8,000.0 8,040.7	19.95 19.13	327.78 327.78	7,622.7 7,661.0	1,579.4 1,590.9	-995.3 -1,002.6	408,975.59 408,987.10	602,595.27 602,588.02	32° 7' 26.244 N 32° 7' 26.358 N	104° 0' 6.946 W 104° 0' 7.030 W
				7,001.0	1,590.9	-1,002.0	400,907.10	002,300.02	32 / 20.336 N	104 0 7.030 00
	8,100.0	Spring Sand 17.95	327.78	7,717.2	1,606.9	-1,012.6	409,003.05	602,577.96	32° 7' 26.516 N	104° 0' 7.146 W
	8,200.0	15.95	327.78	7,717.2	1,631.5	-1,012.0	409,003.03	602,562.42	32° 7' 26.761 N	104° 0' 7.146 W
	8,300.0	13.95	327.78	7,909.5	1,653.3	-1,041.9	409,049.53	602,548.67	32° 7' 26.977 N	104° 0' 7.485 W
	8,400.0	11.95	327.78	8,007.0	1,672.3	-1,053.9	409,068.49	602,536.72	32° 7' 27.165 N	104° 0' 7.623 W
	8,438.8	11.17	327.78	8,045.0	1,678.9	-1,058.0	409,075.07	602,532.58	32° 7' 27.230 N	104° 0' 7.671 W
	2nd Bon	e Spring Lime	•							
	8,500.0	9.95	327.78	8,105.1	1,688.4	-1,064.0	409,084.55	602,526.60	32° 7' 27.324 N	104° 0' 7.740 W
	8,600.0	7.95	327.78	8,203.9	1,701.5	-1,072.3	409,097.71	602,518.31	32° 7' 27.455 N	104° 0' 7.836 W
	8,700.0	5.95	327.78	8,303.2	1,711.7	-1,078.7	409,107.94	602,511.86	32° 7' 27.556 N	104° 0' 7.911 W
	8,800.0	3.95	327.78	8,402.8	1,719.0	-1,083.3	409,115.24	602,507.26	32° 7' 27.629 N	104° 0' 7.964 W
	8,868.3	2.58	327.78	8,471.0	1,722.3	-1,085.4	409,118.53	602,505.19	32° 7' 27.661 N	104° 0' 7.988 W
		e Spring San								
	8,900.0	1.95	327.78	8,502.7	1,723.4	-1,086.1	409,119.59	602,504.52	32° 7' 27.672 N	104° 0' 7.996 W
	8,997.4	0.00	0.00	8,600.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
	9,106.4	0.00	0.00	8,709.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
		e Spring San	_	0.025.0	4 704 0	4.007.0	400 400 00	COO FOO C4	20° 71 07 000 N	40.4% 01.0.000 14/
	9,332.4	0.00	0.00	8,935.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
	3rd Bone 9,461.4	Spring Lime 0.00	0.00	9,064.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
		0.00	0.00	9,064.0	1,724.0	-1,007.0	409,120.99	002,503.04	32 / 21.000 N	104 0 6.006 99
	Harkey 9,495.4	0.00	0.00	9,098.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
				3,030.0	1,124.0	-1,007.0	- ∪3,120.33	002,003.04	JZ 1 Z1.000 IN	10+ 0 0.000 00
	9,711.4	Spring Uppe 0.00	0.00	9,314.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
		Spring Uppe			1,127.0	-1,007.0	400,120.00	002,000.04	02 / 21.000 N	104 0 0.000 W
	9,757.4	0.00	0.00	9,360.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.006 W
		Spring Lowe		5,555.5	.,. 2 1.0	.,557.5	.55,125.55	552,555.51	52 . 27.00014	5 0.000 11
	JI G DOILE	Johnny Lowe	JI GIIGIE							

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

ned Survey									
neu Survey									
	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
9,861.4	0.00	0.00	9,464.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
	Spring Lowe			4.704.0	4.007.0	400 400 00	000 500 04	00° 7' 07 000 N	40.4% 01.0.00
9,925.4	0.00	0.00	9,528.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
10,134.4	Spring Sand 0.00	0.00	9,737.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Warwink	0.00	0.00	0,101.0	1,721.0	1,001.0	100,120.00	002,000.01	02 7 27.000 11	101 0 0.00
10,215.4	0.00	0.00	9,818.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Red Hills									
10,301.4	0.00	0.00	9,904.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Wolfcamp		0.00	0.004.0	4 704 0	4 007 0	100 100 00	000 500 04	000 71 07 000 11	40.48.01.0.00
10,321.4	0.00	0.00	9,924.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Wolfcamp 10,401.4	0.00	0.00	10,004.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Wolfcamp		0.00	10,004.0	1,724.0	-1,007.0	403,120.33	002,303.04	32 7 27.000 1	104 0 0.00
10,447.4	0.00	0.00	10,050.0	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
Wolfcamp	Α								
10,517.2	0.00	0.00	10,119.8	1,724.8	-1,087.0	409,120.99	602,503.64	32° 7' 27.686 N	104° 0' 8.00
10,600.0	6.63	179.71	10,202.5	1,720.0	-1,086.9	409,116.20	602,503.66	32° 7' 27.638 N	104° 0' 8.00
10,700.0 10,757.9	14.63 19.26	179.71 179.71	10,300.7 10,356.0	1,701.6 1,684.7	-1,086.8 -1,086.8	409,097.77 409,080.92	602,503.76 602,503.84	32° 7' 27.456 N 32° 7' 27.289 N	104° 0' 8.00 104° 0' 8.00
Wolfcamp		179.71	10,330.0	1,004.7	-1,000.0	409,060.92	002,303.64	32 / 21.209 N	104 0 8.00
10,800.0	22.63	179.71	10,395.3	1,669.7	-1.086.7	409.065.86	602.503.92	32° 7' 27.140 N	104° 0' 8.00
10,900.0	30.63	179.71	10,484.7	1,624.9	-1,086.5	409,021.08	602,504.15	32° 7' 26.697 N	104° 0' 8.00
10,990.0	37.82	179.71	10,559.0	1,574.3	-1,086.2	408,970.52	602,504.41	32° 7' 26.196 N	104° 0' 8.00
Wolfcamp									
11,000.0	38.63	179.71	10,566.9	1,568.1	-1,086.2	408,964.30	602,504.44	32° 7' 26.135 N	104° 0' 8.00
11,100.0 11,200.0	46.63 54.63	179.71 179.71	10,640.4 10,703.8	1,500.4 1,423.2	-1,085.8 -1,085.4	408,896.64 408,819.40	602,504.79 602,505.18	32° 7' 25.465 N 32° 7' 24.701 N	104° 0' 8.00 104° 0' 7.99
11,259.1	59.36	179.71	10,703.0	1,373.6	-1,085.4	408,769.81	602,505.44	32° 7' 24.210 N	104° 0' 7.99
Wolfcamp			,	1,01010	.,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
11,300.0	62.63	179.71	10,755.8	1,337.9	-1,085.0	408,734.09	602,505.62	32° 7' 23.857 N	104° 0' 7.99
11,400.0	70.63	179.71	10,795.4	1,246.2	-1,084.5	408,642.37	602,506.09	32° 7' 22.949 N	104° 0' 7.99
11,500.0	78.63	179.71	10,821.9	1,149.8	-1,084.0	408,546.03	602,506.58	32° 7' 21.995 N	104° 0' 7.99
11,600.0 11,642.2	86.63 90.00	179.71 179.71	10,834.8 10,836.0	1,050.7 1,008.6	-1,083.5 -1,083.3	408,446.93 408,404.80	602,507.09 602,507.30	32° 7' 21.015 N 32° 7' 20.598 N	104° 0' 7.99 104° 0' 7.98
	FTP_404H	170.71	10,000.0	1,000.0	-1,000.0	400,404.00	002,007.00	02 7 20.00014	104 0 7.50
11,700.0	90.00	179.71	10,836.0	950.8	-1,083.0	408,346.96	602,507.60	32° 7' 20.025 N	104° 0' 7.98
11,800.0	90.00	179.71	10,836.0	850.8	-1,082.5	408,246.96	602,508.11	32° 7' 19.036 N	104° 0' 7.98
11,900.0	90.00	179.71	10,836.0	750.8	-1,082.0	408,146.96	602,508.62	32° 7' 18.046 N	104° 0' 7.98
12,000.0 12,100.0	90.00 90.00	179.71 179.71	10,836.0 10,836.0	650.8	-1,081.5 -1,081.0	408,046.96 407,946.97	602,509.13 602,509.65	32° 7' 17.056 N	104° 0' 7.98 104° 0' 7.97
12,100.0	90.00	179.71	10,836.0	550.8 450.8	-1,081.0 -1,080.4	407,946.97 407,846.97	602,510.16	32° 7' 16.067 N 32° 7' 15.077 N	104 0 7.97 104° 0' 7.97
12,300.0	90.00	179.71	10,836.0	350.8	-1,000.4	407,746.97	602,510.67	32° 7' 14.088 N	104° 0' 7.97
12,400.0	90.00	179.71	10,836.0	250.8	-1,079.4	407,646.97	602,511.18	32° 7' 13.098 N	104° 0' 7.97
12,500.0	90.00	179.71	10,836.0	150.8	-1,078.9	407,546.97	602,511.69	32° 7' 12.108 N	104° 0' 7.96
12,600.0	90.00	179.71	10,836.0	50.8	-1,078.4	407,446.97	602,512.20	32° 7' 11.119 N	104° 0' 7.96
12,700.0 12,800.0	90.00 90.00	179.71 179.71	10,836.0 10,836.0	-49.2 -149.2	-1,077.9 -1,077.4	407,346.97 407,246.97	602,512.72 602,513.23	32° 7' 10.129 N 32° 7' 9.139 N	104° 0' 7.96 104° 0' 7.96
12,800.0	90.00	179.71	10,836.0	-149.2 -249.2	-1,077.4 -1,076.9	407,246.97	602,513.74	32° 7' 8.150 N	104° 0' 7.95
13,000.0	90.00	179.71	10,836.0	-349.2	-1,076.4	407,046.98	602,514.25	32° 7' 7.160 N	104° 0' 7.95
13,100.0	90.00	179.71	10,836.0	-449.2	-1,075.8	406,946.98	602,514.76	32° 7' 6.170 N	104° 0' 7.95
13,200.0	90.00	179.71	10,836.0	-549.2	-1,075.3	406,846.98	602,515.27	32° 7' 5.181 N	104° 0' 7.95
13,300.0	90.00	179.71	10,836.0	-649.2	-1,074.8	406,746.98	602,515.79	32° 7' 4.191 N	104° 0' 7.95

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,400.0	90.00	179.71	10,836.0	-749.2	-1,074.3	406,646.98	602,516.30	32° 7' 3.201 N	104° 0' 7.947 W
13,500.0	90.00	179.71	10,836.0	-849.2	-1,073.8	406,546.98	602,516.81	32° 7' 2.212 N	104° 0' 7.945 W
13,600.0	90.00	179.71	10,836.0	-949.2	-1,073.3	406,446.98	602,517.32	32° 7' 1.222 N	104° 0' 7.943 W
13,700.0	90.00	179.71	10,836.0	-1,049.2	-1,072.8	406,346.99	602,517.83	32° 7' 0.233 N	104° 0' 7.940 W
13,800.0	90.00	179.71	10,836.0	-1,149.2	-1,072.3	406,246.99	602,518.34	32° 6' 59.243 N	104° 0' 7.938 W
13,900.0	90.00	179.71	10,836.0	-1,249.2	-1,071.7	406,146.99	602,518.86	32° 6' 58.253 N	104° 0' 7.935 W
14,000.0	90.00	179.71	10,836.0	-1,349.2	-1,071.2	406,046.99	602,519.37	32° 6' 57.264 N	104° 0' 7.933 W
14,100.0 14,200.0	90.00 90.00	179.71 179.71	10,836.0	-1,449.2 -1,549.2	-1,070.7 -1,070.2	405,946.99	602,519.88 602,520.39	32° 6' 56.274 N 32° 6' 55.284 N	104° 0' 7.931 W 104° 0' 7.928 W
14,200.0	90.00	179.71	10,836.0	-1,549.2 -1,649.2		405,846.99			104 0 7.928 W 104° 0' 7.926 W
14,400.0	90.00	179.71	10,836.0 10,836.0	-1,049.2 -1,749.2	-1,069.7 -1,069.2	405,746.99 405,647.00	602,520.90 602,521.41	32° 6' 54.295 N 32° 6' 53.305 N	104° 0′ 7.924 W
14,500.0	90.00	179.71	10,836.0	-1,749.2	-1,069.2	405,547.00	602,521.41	32° 6' 52.315 N	104° 0' 7.921 W
14,600.0	90.00	179.71	10,836.0	-1,049.2 -1,949.2	-1,068.7 -1,068.2	405,447.00	602,522.44	32° 6' 51.326 N	104° 0′ 7.921 W
14,700.0	90.00	179.71	10,836.0	-2,049.2	-1,000.2	405,347.00	602,522.44	32° 6' 50.336 N	104° 0' 7.916 W
14,800.0	90.00	179.71	10,836.0	-2,149.2	-1,067.1	405,247.00	602,523.46	32° 6' 49.346 N	104° 0' 7.914 W
14,900.0	90.00	179.71	10,836.0	-2,149.2	-1,066.6	405,147.00	602,523.97	32° 6' 48.357 N	104° 0' 7.912 W
15,000.0	90.00	179.71	10,836.0	-2,349.2	-1,066.1	405,047.00	602,524.49	32° 6' 47.367 N	104° 0' 7.909 W
15,100.0	90.00	179.71	10,836.0	-2,449.2	-1,065.6	404,947.00	602,525.00	32° 6' 46.378 N	104° 0' 7.907 W
15,200.0	90.00	179.71	10,836.0	-2,549.2	-1,065.1	404,847.01	602,525.51	32° 6' 45.388 N	104° 0' 7.905 W
15,300.0	90.00	179.71	10,836.0	-2,649.2	-1,064.6	404,747.01	602,526.02	32° 6' 44.398 N	104° 0' 7.902 W
15,400.0	90.00	179.71	10,836.0	-2,749.2	-1,064.1	404,647.01	602,526.53	32° 6' 43.409 N	104° 0' 7.900 W
15,500.0	90.00	179.71	10,836.0	-2,849.2	-1,063.6	404,547.01	602,527.04	32° 6' 42.419 N	104° 0' 7.897 W
15,600.0	90.00	179.71	10,836.0	-2,949.2	-1,063.0	404,447.01	602,527.56	32° 6' 41.429 N	104° 0' 7.895 W
15,700.0	90.00	179.71	10,836.0	-3,049.2	-1,062.5	404,347.01	602,528.07	32° 6' 40.440 N	104° 0' 7.893 W
15,800.0	90.00	179.71	10,836.0	-3,149.2	-1,062.0	404,247.01	602,528.58	32° 6' 39.450 N	104° 0' 7.890 W
15,900.0	90.00	179.71	10,836.0	-3,249.2	-1,061.5	404,147.01	602,529.09	32° 6' 38.460 N	104° 0' 7.888 W
16,000.0	90.00	179.71	10,836.0	-3,349.2	-1,061.0	404,047.02	602,529.60	32° 6′ 37.471 N	104° 0' 7.885 W
16,100.0	90.00	179.71	10,836.0	-3,449.2	-1,060.5	403,947.02	602,530.11	32° 6′ 36.481 N	104° 0' 7.883 W
16,200.0	90.00	179.71	10,836.0	-3,549.2	-1,060.0	403,847.02	602,530.63	32° 6′ 35.491 N	104° 0' 7.881 W
16,300.0	90.00	179.71	10,836.0	-3,649.2	-1,059.5	403,747.02	602,531.14	32° 6′ 34.502 N	104° 0' 7.878 W
16,400.0	90.00	179.71	10,836.0	-3,749.2	-1,059.0	403,647.02	602,531.65	32° 6′ 33.512 N	104° 0' 7.876 W
16,500.0	90.00	179.71	10,836.0	-3,849.2	-1,058.4	403,547.02	602,532.16	32° 6′ 32.523 N	104° 0' 7.874 W
16,600.0	90.00	179.71	10,836.0	-3,949.2	-1,057.9	403,447.02	602,532.67	32° 6' 31.533 N	104° 0' 7.871 W
16,700.0	90.00	179.71	10,836.0	-4,049.2	-1,057.4	403,347.03	602,533.18	32° 6′ 30.543 N	104° 0' 7.869 W
16,800.0	90.00	179.71	10,836.0	-4,149.2	-1,056.9	403,247.03	602,533.70	32° 6' 29.554 N	104° 0' 7.866 W
16,900.0	90.00	179.71	10,836.0	-4,249.2	-1,056.4	403,147.03	602,534.21	32° 6′ 28.564 N	104° 0' 7.864 W
17,000.0	90.00	179.71	10,836.0	-4,349.2	-1,055.9	403,047.03	602,534.72	32° 6′ 27.574 N	104° 0' 7.862 W
17,100.0	90.00	179.71	10,836.0	-4,449.2	-1,055.4	402,947.03	602,535.23	32° 6' 26.585 N	104° 0' 7.859 W
17,200.0	90.00	179.71	10,836.0	-4,549.2	-1,054.9	402,847.03	602,535.74	32° 6' 25.595 N	104° 0' 7.857 W
17,300.0	90.00	179.71	10,836.0	-4,649.2	-1,054.3	402,747.03	602,536.25	32° 6' 24.605 N	104° 0' 7.855 W
17,400.0	90.00	179.71	10,836.0	-4,749.2	-1,053.8	402,647.03	602,536.77	32° 6' 23.616 N	104° 0' 7.852 W
17,500.0	90.00	179.71	10,836.0	-4,849.2	-1,053.3	402,547.04	602,537.28	32° 6' 22.626 N	104° 0' 7.850 W
17,600.0	90.00	179.71	10,836.0	-4,949.2	-1,052.8	402,447.04	602,537.79	32° 6' 21.636 N	104° 0' 7.847 W
17,700.0	90.00	179.71	10,836.0	-5,049.2	-1,052.3	402,347.04	602,538.30	32° 6' 20.647 N	104° 0' 7.845 W
17,800.0	90.00	179.71	10,836.0	-5,149.2 5,240.2	-1,051.8	402,247.04	602,538.81	32° 6' 19.657 N	104° 0' 7.843 W
17,900.0 18,000.0	90.00	179.71 170.71	10,836.0	-5,249.2 5,349.2	-1,051.3 1,050.8	402,147.04	602,539.32	32° 6' 18.668 N 32° 6' 17.678 N	104° 0' 7.840 W 104° 0' 7.838 W
•	90.00	179.71 170.71	10,836.0	-5,349.2 5,449.2	-1,050.8 1,050.3	402,047.04 401,947.04	602,539.84	32° 6' 17.678 N 32° 6' 16.688 N	
18,100.0 18,200.0	90.00 90.00	179.71 179.71	10,836.0 10,836.0	-5,449.2 -5,549.2	-1,050.3 -1,049.7	401,847.04	602,540.35 602,540.86	32° 6′ 15.699 N	104° 0' 7.836 W 104° 0' 7.833 W
18,200.0	90.00	179.71	10,836.0	-5,549.2 -5,649.2	-1,049.7 -1,049.2	401,747.05	602,541.37	32° 6′ 14.709 N	104 0 7.833 W 104° 0' 7.831 W
18,400.0	90.00	179.71	10,836.0	-5,049.2 -5,749.2	-1,049.2 -1,048.7	401,647.05	602,541.88	32° 6′ 13.719 N	104° 0′ 7.828 W
18,500.0	90.00	179.71	10,836.0	-5,749.2 -5,849.2	-1,046.7 -1,048.2	401,547.05	602,542.39	32° 6' 12.730 N	104° 0′ 7.826 W
18,600.0	90.00	179.71	10,836.0	-5,849.2 -5,949.1	-1,046.2 -1,047.7	401,447.05	602,542.91	32° 6′ 11.740 N	104° 0′ 7.824 W
18,700.0	90.00	179.71	10,836.0	-6,049.1	-1,047.7	401,347.05	602,543.42	32° 6' 10.750 N	104° 0′ 7.824 W
10,700.0	90.00	179.71	10,836.0	-6,149.1	-1,047.2	401,247.05	602,543.93	32° 6' 9.761 N	104° 0' 7.819 W

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Design:	Plan								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
18,900.0	90.00	179.71	10,836.0	-6,249.1	-1,046.2	401,147.05	602,544.44	32° 6′ 8.771 N	104° 0' 7.817 W
19,000.0	90.00	179.71	10,836.0	-6,349.1	-1,045.7	401,047.06	602,544.95	32° 6' 7.781 N	104° 0' 7.814 W
19,100.0	90.00	179.71	10,836.0	-6,449.1	-1,045.1	400,947.06	602,545.46	32° 6' 6.792 N	104° 0' 7.812 W
19,200.0	90.00	179.71	10,836.0	-6,549.1	-1,044.6	400,847.06	602,545.98	32° 6′ 5.802 N	104° 0' 7.809 W
19,300.0	90.00	179.71	10,836.0	-6,649.1	-1,044.1	400,747.06	602,546.49	32° 6′ 4.813 N	104° 0' 7.807 W
19,400.0	90.00	179.71	10,836.0	-6,749.1	-1,043.6	400,647.06	602,547.00	32° 6′ 3.823 N	104° 0' 7.805 W
19,500.0	90.00	179.71	10,836.0	-6,849.1	-1,043.1	400,547.06	602,547.51	32° 6' 2.833 N	104° 0' 7.802 W
19,600.0	90.00	179.71	10,836.0	-6,949.1	-1,042.6	400,447.06	602,548.02	32° 6′ 1.844 N	104° 0' 7.800 W
19,700.0	90.00	179.71	10,836.0	-7,049.1	-1,042.1	400,347.06	602,548.53	32° 6′ 0.854 N	104° 0' 7.798 W
19,800.0	90.00	179.71	10,836.0	-7,149.1	-1,041.6	400,247.07	602,549.05	32° 5' 59.864 N	104° 0' 7.795 W
19,900.0	90.00	179.71	10,836.0	-7,249.1	-1,041.0	400,147.07	602,549.56	32° 5' 58.875 N	104° 0' 7.793 W
20,000.0	90.00	179.71	10,836.0	-7,349.1	-1,040.5	400,047.07	602,550.07	32° 5' 57.885 N	104° 0' 7.790 W
20,100.0	90.00	179.71	10,836.0	-7,449.1 7,540.4	-1,040.0	399,947.07	602,550.58	32° 5' 56.895 N	104° 0' 7.788 W
20,200.0	90.00	179.71	10,836.0	-7,549.1 7,040.4	-1,039.5	399,847.07	602,551.09	32° 5' 55.906 N	104° 0' 7.786 W
20,300.0 20,400.0	90.00 90.00	179.71 179.71	10,836.0 10,836.0	-7,649.1 -7,749.1	-1,039.0 -1,038.5	399,747.07 399.647.07	602,551.60 602,552.12	32° 5' 54.916 N 32° 5' 53.926 N	104° 0' 7.783 W 104° 0' 7.781 W
20,500.0	90.00	179.71	10,836.0	-7,749.1 -7,849.1	-1,036.5 -1,038.0	399,547.07	602,552.63	32° 5' 52.937 N	104 ° 0 ' 7.761 W
20,600.0	90.00	179.71	10,836.0	-7,849.1 -7,949.1	-1,036.0 -1,037.5	399,347.07	602,553.14	32° 5' 51.947 N	104° 0' 7.776 W
20,700.0	90.00	179.71	10,836.0	-7,949.1 -8,049.1	-1,037.0	399,347.08	602,553.65	32° 5' 50.958 N	104° 0' 7.774 W
20,800.0	90.00	179.71	10,836.0	-8,149.1	-1,036.4	399,247.08	602,554.16	32° 5' 49.968 N	104° 0' 7.771 W
20,900.0	90.00	179.71	10,836.0	-8,249.1	-1,035.9	399,147.08	602,554.67	32° 5' 48.978 N	104° 0' 7.769 W
21,000.0	90.00	179.71	10,836.0	-8,349.1	-1,035.4	399,047.08	602,555.19	32° 5′ 47.989 N	104° 0' 7.767 W
21,100.0	90.00	179.71	10,836.0	-8,449.1	-1,034.9	398,947.08	602,555.70	32° 5′ 46.999 N	104° 0' 7.764 W
21,200.0	90.00	179.71	10,836.0	-8,549.1	-1,034.4	398,847.08	602,556.21	32° 5′ 46.009 N	104° 0' 7.762 W
21,300.0	90.00	179.71	10,836.0	-8,649.1	-1,033.9	398,747.09	602,556.72	32° 5′ 45.020 N	104° 0' 7.759 W
21,400.0	90.00	179.71	10,836.0	-8,749.1	-1,033.4	398,647.09	602,557.23	32° 5′ 44.030 N	104° 0' 7.757 W
21,500.0	90.00	179.71	10,836.0	-8,849.1	-1,032.9	398,547.09	602,557.74	32° 5′ 43.040 N	104° 0' 7.755 W
21,600.0	90.00	179.71	10,836.0	-8,949.1	-1,032.3	398,447.09	602,558.26	32° 5′ 42.051 N	104° 0' 7.752 W
21,700.0	90.00	179.71	10,836.0	-9,049.1	-1,031.8	398,347.09	602,558.77	32° 5′ 41.061 N	104° 0' 7.750 W
21,800.0	90.00	179.71	10,836.0	-9,149.1	-1,031.3	398,247.09	602,559.28	32° 5′ 40.071 N	104° 0' 7.748 W
21,900.0	90.00	179.71	10,836.0	-9,249.1	-1,030.8	398,147.09	602,559.79	32° 5′ 39.082 N	104° 0' 7.745 W
22,000.0	90.00	179.71	10,836.0	-9,349.1	-1,030.3	398,047.09	602,560.30	32° 5′ 38.092 N	104° 0' 7.743 W
22,100.0	90.00	179.71	10,836.0	-9,449.1	-1,029.8	397,947.10	602,560.81	32° 5′ 37.103 N	104° 0' 7.740 W
22,200.0	90.00	179.71	10,836.0	-9,549.1	-1,029.3	397,847.10	602,561.33	32° 5′ 36.113 N	104° 0' 7.738 W
22,300.0	90.00	179.71	10,836.0	-9,649.1	-1,028.8	397,747.10	602,561.84	32° 5' 35.123 N	104° 0' 7.736 W
22,400.0	90.00	179.71	10,836.0	-9,749.1	-1,028.3	397,647.10	602,562.35	32° 5' 34.134 N	104° 0' 7.733 W
22,500.0	90.00	179.71	10,836.0	-9,849.1 -9,949.1	-1,027.7	397,547.10	602,562.86	32° 5′ 33.144 N	104° 0' 7.731 W
22,600.0 22,700.0	90.00 90.00	179.71 179.71	10,836.0		-1,027.2	397,447.10	602,563.37	32° 5′ 32.154 N	104° 0' 7.729 W
22,700.0	90.00	179.71	10,836.0	-10,049.1 -10,149.1	-1,026.7 -1,026.2	397,347.10	602,563.88 602,564.40	32° 5' 31.165 N	104° 0' 7.726 W 104° 0' 7.724 W
22,900.0	90.00	179.71	10,836.0 10,836.0	-10,149.1	-1,020.2 -1,025.7	397,247.11 397,147.11	602,564.91	32° 5' 30.175 N 32° 5' 29.185 N	104° 0' 7.724 W
23,000.0	90.00	179.71	10,836.0	-10,249.1	-1,025.7	397,047.11	602,565.42	32° 5' 28.196 N	104° 0' 7.721 W
23,100.0	90.00	179.71	10,836.0	-10,449.1	-1,023.2	396,947.11	602,565.93	32° 5' 27.206 N	104° 0' 7.717 W
23,200.0	90.00	179.71	10,836.0	-10,549.1	-1,024.2	396,847.11	602,566.44	32° 5′ 26.216 N	104° 0' 7.714 W
23,300.0	90.00	179.71	10,836.0	-10,649.1	-1,023.6	396,747.11	602,566.96	32° 5' 25.227 N	104° 0' 7.712 W
23,400.0	90.00	179.71	10,836.0	-10,749.1	-1,023.1	396,647.11	602,567.47	32° 5' 24.237 N	104° 0' 7.710 W
23,500.0	90.00	179.71	10,836.0	-10,849.1	-1,022.6	396,547.11	602,567.98	32° 5′ 23.247 N	104° 0' 7.707 W
23,600.0	90.00	179.71	10,836.0	-10,949.1	-1,022.1	396,447.12	602,568.49	32° 5′ 22.258 N	104° 0' 7.705 W
23,700.0	90.00	179.71	10,836.0	-11,049.1	-1,021.6	396,347.12	602,569.00	32° 5′ 21.268 N	104° 0' 7.702 W
23,800.0	90.00	179.71	10,836.0	-11,149.1	-1,021.1	396,247.12	602,569.51	32° 5′ 20.279 N	104° 0' 7.700 W
23,900.0	90.00	179.71	10,836.0	-11,249.1	-1,020.6	396,147.12	602,570.03	32° 5′ 19.289 N	104° 0' 7.698 W
24,000.0	90.00	179.71	10,836.0	-11,349.1	-1,020.1	396,047.12	602,570.54	32° 5′ 18.299 N	104° 0' 7.695 W
24,100.0	90.00	179.71	10,836.0	-11,449.1	-1,019.6	395,947.12	602,571.05	32° 5′ 17.310 N	104° 0' 7.693 W
24,200.0	90.00	179.71	10,836.0	-11,549.1	-1,019.0	395,847.12	602,571.56	32° 5′ 16.320 N	104° 0' 7.691 W
24,300.0	90.00	179.71	10,836.0	-11,649.1	-1,018.5	395,747.12	602,572.07	32° 5′ 15.330 N	104° 0' 7.688 W

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
24,400.0	90.00	179.71	10,836.0	-11,749.1	-1,018.0	395,647.13	602,572.58	32° 5′ 14.341 N	104° 0' 7.686 W
24,500.0	90.00	179.71	10,836.0	-11,849.1	-1,017.5	395,547.13	602,573.10	32° 5′ 13.351 N	104° 0' 7.683 W
24,600.0	90.00	179.71	10,836.0	-11,949.1	-1,017.0	395,447.13	602,573.61	32° 5′ 12.361 N	104° 0' 7.681 W
24,700.0	90.00	179.71	10,836.0	-12,049.1	-1,016.5	395,347.13	602,574.12	32° 5′ 11.372 N	104° 0' 7.679 W
24,800.0	90.00	179.71	10,836.0	-12,149.1	-1,016.0	395,247.13	602,574.63	32° 5′ 10.382 N	104° 0' 7.676 W
24,900.0	90.00	179.71	10,836.0	-12,249.1	-1,015.5	395,147.13	602,575.14	32° 5′ 9.392 N	104° 0' 7.674 W
25,000.0	90.00	179.71	10,836.0	-12,349.1	-1,014.9	395,047.13	602,575.65	32° 5′ 8.403 N	104° 0' 7.671 W
25,100.0	90.00	179.71	10,836.0	-12,449.1	-1,014.4	394,947.14	602,576.17	32° 5′ 7.413 N	104° 0' 7.669 W
25,200.0	90.00	179.71	10,836.0	-12,549.1	-1,013.9	394,847.14	602,576.68	32° 5' 6.423 N	104° 0' 7.667 W
25,300.0	90.00	179.71	10,836.0	-12,649.1	-1,013.4	394,747.14	602,577.19	32° 5' 5.434 N	104° 0' 7.664 W
25,400.0	90.00	179.71	10,836.0	-12,749.1	-1,012.9	394,647.14	602,577.70	32° 5' 4.444 N	104° 0' 7.662 W
25,500.0	90.00	179.71	10,836.0	-12,849.1	-1,012.4	394,547.14	602,578.21	32° 5' 3.455 N	104° 0' 7.660 W
25,600.0	90.00	179.71	10,836.0	-12,949.1	-1,011.9	394,447.14	602,578.72	32° 5' 2.465 N	104° 0' 7.657 W
25,700.0	90.00	179.71	10,836.0	-13,049.1	-1,011.4	394,347.14	602,579.24	32° 5′ 1.475 N	104° 0' 7.655 W
25,800.0	90.00	179.71	10,836.0	-13,149.1	-1,010.9	394,247.14	602,579.75	32° 5′ 0.486 N	104° 0' 7.652 W
25,900.0	90.00	179.71	10,836.0	-13,249.1	-1,010.3	394,147.15	602,580.26	32° 4' 59.496 N	104° 0' 7.650 W
26,000.0	90.00	179.71	10,836.0	-13,349.1	-1,009.8	394,047.15	602,580.77	32° 4' 58.506 N	104° 0' 7.648 W
26,100.0	90.00	179.71	10,836.0	-13,449.1	-1,009.3	393,947.15	602,581.28	32° 4' 57.517 N	104° 0' 7.645 W
26,200.0	90.00	179.71	10,836.0	-13,549.0	-1,008.8	393,847.15	602,581.79	32° 4' 56.527 N	104° 0' 7.643 W
26,300.0	90.00	179.71	10,836.0	-13,649.0	-1,008.3	393,747.15	602,582.31	32° 4' 55.537 N	104° 0' 7.641 W
26,400.0	90.00	179.71	10,836.0	-13,749.0	-1,007.8	393,647.15	602,582.82	32° 4' 54.548 N	104° 0' 7.638 W
26,500.0	90.00	179.71	10,836.0	-13,849.0	-1,007.3	393,547.15	602,583.33	32° 4' 53.558 N	104° 0' 7.636 W
26,600.0	90.00	179.71	10,836.0	-13,949.0	-1,006.8	393,447.15	602,583.84	32° 4' 52.568 N	104° 0' 7.633 W
26,700.0	90.00	179.71	10,836.0	-14,049.0	-1,006.3	393,347.16	602,584.35	32° 4' 51.579 N	104° 0' 7.631 W
26,800.0	90.00	179.71	10,836.0	-14,149.0	-1,005.7	393,247.16	602,584.86	32° 4' 50.589 N	104° 0' 7.629 W
26,900.0	90.00	179.71	10,836.0	-14,249.0	-1,005.2	393,147.16	602,585.38	32° 4' 49.599 N	104° 0' 7.626 W
27,000.0	90.00	179.71	10,836.0	-14,349.0	-1,004.7	393,047.16	602,585.89	32° 4' 48.610 N	104° 0' 7.624 W
27,100.0	90.00	179.71	10,836.0	-14,449.0	-1,004.2	392,947.16	602,586.40	32° 4' 47.620 N	104° 0' 7.622 W
27,159.5	90.00	179.71	10,836.0	-14,508.5	-1,003.9	392,887.70	602,586.70	32° 4' 47.032 N	104° 0' 7.620 W
LTP_404	Н								
27,200.0	90.00	179.71	10,836.0	-14,549.0	-1,003.7	392,847.16	602,586.91	32° 4' 46.631 N	104° 0' 7.619 W
27,300.0	90.00	179.71	10,836.0	-14,649.0	-1,003.2	392,747.16	602,587.42	32° 4' 45.641 N	104° 0' 7.617 W
27,400.0	90.00	179.71	10,836.0	-14,749.0	-1,002.7	392,647.17	602,587.93	32° 4' 44.651 N	104° 0' 7.614 W
27,439.5	90.00	179.71	10,836.0	-14,788.5	-1,002.5	392,607.71	602,588.14	32° 4' 44.261 N	104° 0' 7.613 W
BHL_404	ŀН								

EDM 5000.18 Single User Db Database: Long Lead_Well Planning Company: Project: Right Popular 20 Fed Right Popular 20 Fed 404H Site: Well:

Plan 1

Wellbore: Design:

Right Popular 20 Fed 404H ОН

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Well Right Popular 20 Fed 404H RKB (+32) @ 3043.0usft RKB (+32) @ 3043.0usft Grid

Minimum Curvature

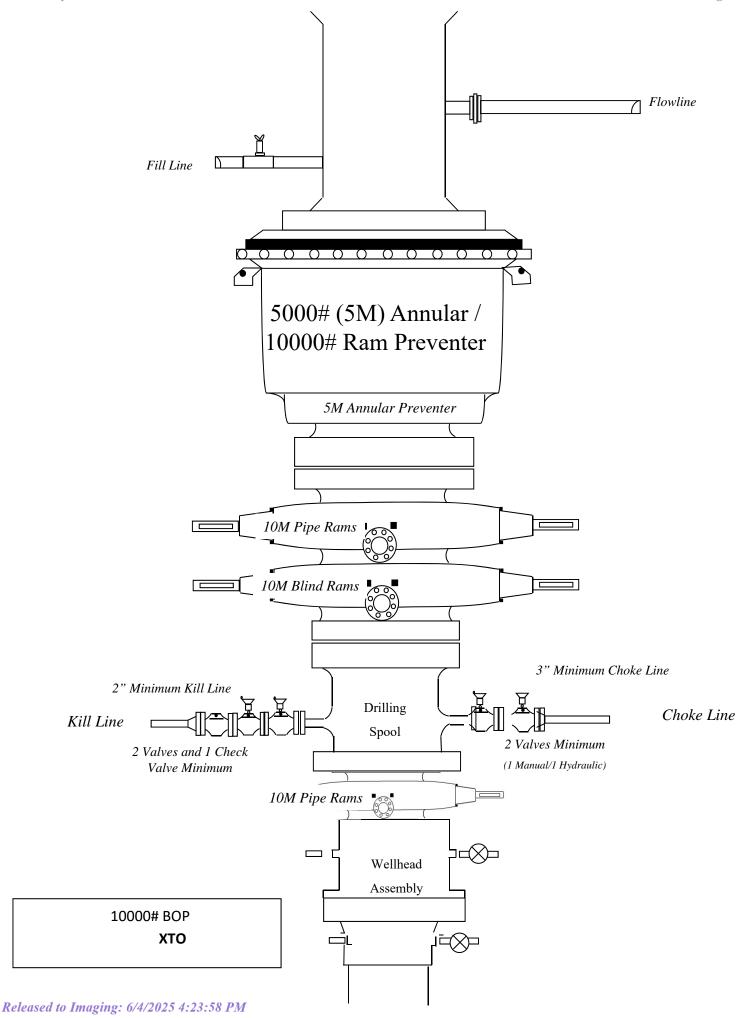
Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL_404H - plan hits target cel - Point	0.00 nter	0.00	0.0	0.0	0.0	407,396.20	603,590.60	32° 7′ 10.583 N	103° 59' 55.428 W
BHL_404H - plan misses target - Point	0.00 center by 1.60	0.00 usft at 27439	10,836.0 .5usft MD (1	-14,788.5 0836.0 TVD, -	-1,004.1 -14788.5 N, -1	392,607.70 002.5 E)	602,586.50	32° 4' 44.261 N	104° 0' 7.632 W
FTP_404H - plan hits target cel - Point	0.00 nter	0.00	10,836.0	1,008.6	-1,083.3	408,404.80	602,507.30	32° 7' 20.598 N	104° 0' 7.989 W
LTP_404H - plan hits target cer	0.00 nter	0.00	10,836.0	-14,508.5	-1,003.9	392,887.70	602,586.70	32° 4' 47.032 N	104° 0' 7.620 W

Database: EDM 5000.18 Single User Db Company: Long Lead_Well Planning Project: Right Popular 20 Fed Site: Right Popular 20 Fed 404H Well: Right Popular 20 Fed 404H

OH Plan 1

Wellbore: Design: Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

ormations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	605.0	605.0	Salado			
	2,777.0	2,777.0	Base of Salt			
	2,986.1	2,986.0	Delaware			
	3,877.2	3,852.0	Cherry Canyon			
	5,638.2	5,462.0	Brushy Canyon			
	6,742.5	6,471.0	Basal Brushy Canyon			
	7,007.4	6,713.0	Bone Spring Lm.			
	7,189.1	6,879.0	Avalon Shale			
	7,658.6	7,308.0	Avalon Lower			
	7,848.8	7,482.0	1st Bone Spring Lime			
	8,040.7	7,661.0	1st Bone Spring Sand			
	8,438.8	8,045.0	2nd Bone Spring Lime			
	8,868.3	8,471.0	2nd Bone Spring Sand			
	9,106.4	8,709.0	2nd Bone Spring Sand_Base B			
	9,332.4	8,935.0	3rd Bone Spring Lime			
	9,461.4	9,064.0	Harkey			
	9,495.4	9,098.0	3rd Bone Spring Upper Shale			
	9,711.4	9,314.0	3rd Bone Spring Upper Shale Base			
	9,757.4	9,360.0	3rd Bone Spring Lower Shale			
	9,861.4	9,464.0	3rd Bone Spring Lower Shale Marker			
	9,925.4	9,528.0	3rd Bone Spring Sand			
	10,134.4	9,737.0	Warwink			
	10,215.4	9,818.0	Red Hills			
	10,301.4	9,904.0	Wolfcamp			
	10,321.4	9,924.0	Wolfcamp X			
	10,401.4	10,004.0	Wolfcamp Y			
	10,447.4	10,050.0	Wolfcamp A			
	10,757.9	10,356.0	Wolfcamp B			
	10,990.0	10,559.0	Wolfcamp C			
	11,259.1	10,736.0	Wolfcamp D			
	11,642.2	10,836.0	-			



ALL DIMENSIONS APPROXIMA

CACTUS WELLHEAD LLC

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers

DELAWARE BASIN						
DRAWN	VJK	31MAR2				
APPRV						

DRAWING NO. HBE0000479

FORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, SCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY SUTHORIZED BY CACTUS WELLHEAD, LLC.

XTO Permian Operating, LLC Offline Cementing Variance Request

XTO requests the option to cement the surface and intermediate casing strings offline as a prudent batch drilling efficiency of acreage development.

1. Cement Program

No changes to the cement program will take place for offline cementing.

2. Offline Cementing Procedure

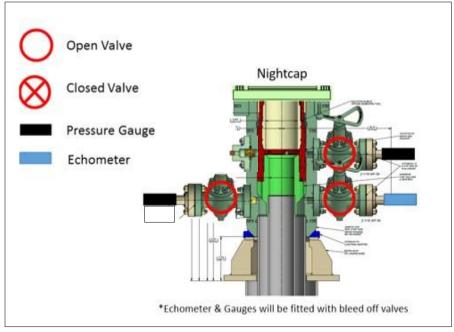
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
- 2. Land casing with mandrel
- 3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
- 4. Set annular packoff shown below and pressure test to confirm integrity of the seal. Pressure ratings of wellhead components and valves is 5,000 psi.
- 5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
 - a. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50-psi compressive strength if kill weight fluid cannot be verified.



Annular packoff with both external and internal seals

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

- 6. Skid rig to next well on pad.
- 7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
 - a. Well Control Plan
 - i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
 - ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
 - iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
 - iv. Once influx is circulated out of the hole, kill weight mud will be circulated
 - v. Well will be confirmed static
 - vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
- 8. Install offline cement tool
- 9. Rig up cement equipment

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

- 10. Circulate bottoms up with cement truck
 - a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
 - b. Max anticipated time before circulating with cement truck is 6 hrs
- 11. Perform cement job taking returns from the annulus wellhead valve
- 12. Confirm well is static and floats are holding after cement job
- 13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

XTO respectfully requests approval to utilize a spudder rig to pre-set surface casing.

Description of Operations:

- Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
 - a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
- 2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
- 3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
 - a. A means for intervention will be maintained while the drilling rig is not over the well.
- 4. Spudder rig operations are expected to take 2-3 days per well on the pad.
- 5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
 - a. The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
 - b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
- 7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
- 8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.



GATES ENGINEERING & SERVICES NORTH AMERICA

7603 Prairie Oak Dr.

Houston, TX. 77086

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EMAIL: gesna.quality@gates.com

WEB: www.gates.com/oilandgas

NEW CHOKE HOSE

INSTAUED 02-10-2024

CERTIFICATE OF CONFORMANCE

This is to verify that the items detailed below meet the requirements of the Customer's Purchase Order referenced herein, and are in Conformance with applicable specifications, and that Records of Required Tests are on file and subject to examination. The following items were inspected and hydrostatically tested at **Gates Engineering & Services North America** facilities in Houston, TX, USA.

CI	CT	OM	ED.	
CU	31	CIAI	ER.	

NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA

CUSTOMER P.O.#:

15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)

CUSTOMER P/N:

IMR RETEST SN 74621 ASSET #66-1531

PART DESCRIPTION:

RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K

FLANGES

SALES ORDER #:

529480

QUANTITY:

1

SERIAL #:

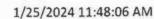
74621 H3-012524-1

SIGNATURE: F. CUSTUSE

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15/16





TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Production description:

529480

74621/66-1531

Description:

74621/66-1531

Sales order #: Customer reference: FG1213

Hose ID:

3" 16C CK

Part number:

TEST INFORMATION

Test procedure:

GTS-04-053

psi

Fitting 1:

3.0 x 4-1/16 10K

Test pressure: Test pressure hold: 15000.00 3600.00

Part number:

Description:

Work pressure: Work pressure hold: 10000.00 900.00

sec

psi

sec

Fitting 2:

Part number:

3.0 x 4-1/16 10K

n /n

Length difference: Length difference: 0.00 0.00 % inch

Description:

Length:

feet 45

Pressure test result:

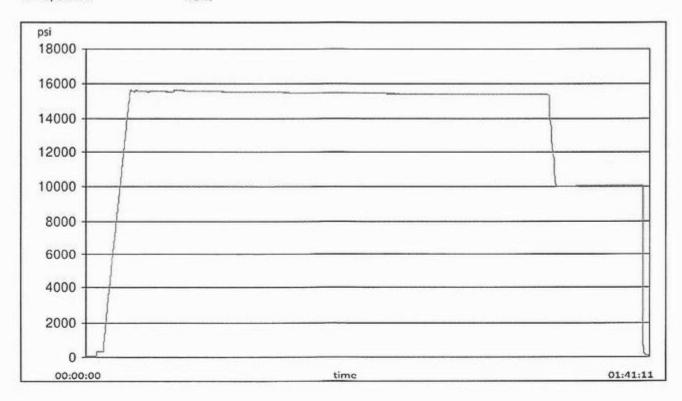
PASS

Length measurement result:

Test operator:

Visual check:

Travis





H3-15/16

1/25/2024 11:48:06 AM

TEST REPORT

GAUGE TRACEABILITY

Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16
Comment			



Released to Imaging: 6/4/2025 4:23:58 PM









Released to Imaging: 6/4/2025 4:23:58 PM

TenarisHydril Wedge 511



 Coupling
 Pipe Body

 Grade: P110-ICY
 Grade: P110-ICY

 Body: White
 1st Band: White

 1st Band: Pale Green
 2nd Band: Pale Green

 2nd Band: 3rd Band: Pale Green

 3rd Band: 4th Band:

 5th Band: 6th Band:

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	P110-ICY
Min. Wall Thickness	90.00 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry			
Nominal OD	7.625 in.	Wall Thickness	0.375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft
Drift	6.750 in.	OD Tolerance	API
Nominal ID	6.875 in.		

Performance	
Body Yield Strength	1068 x1000 lb
Min. Internal Yield Pressure	11,070 psi
SMYS	125,000 psi
Collapse Pressure	7360 psi

Connection Data

7.625 in.
6.787 in.
3.704 in.
3.28
Regular

Performance	
Tension Efficiency	61.10 %
Joint Yield Strength	653 x1000 lb
Internal Pressure Capacity	11,070 psi
Compression Efficiency	73.80 %
Compression Strength	788 x1000 lb
Max. Allowable Bending	45.83 °/100 ft
External Pressure Capacity	7360 psi

Make-Up Torques	
Minimum	5900 ft-lb
Optimum	7100 ft-lb
Maximum	10,300 ft-lb
Operation Limit Torques	
Operating Torque	55,000 ft-lb
Yield Torque	82,000 ft-lb

Notes

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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TenarisHydril Wedge 511



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry			
Nominal OD	7.625 in.	Wall Thickness	0.375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft
Drift	6.750 in.	OD Tolerance	API
Nominal ID	6.875 in.		

Performance	
Body Yield Strength	683 x1000 lb
Min. Internal Yield Pressure	6890 psi
SMYS	80,000 psi
Collapse Pressure	5900 psi

Connection Data

7.625 in.
6.787 in.
3.704 in.
3.28
Regular

Performance	
Tension Efficiency	61.10 %
Joint Yield Strength	417 x1000 lb
Internal Pressure Capacity	6890 psi
Compression Efficiency	73.80 %
Compression Strength	504 x1000 lb
Max. Allowable Bending	29.33 °/100 ft
External Pressure Capacity	5900 psi

Make-Up Torques	
Minimum	5900 ft-lb
Optimum	7100 ft-lb
Maximum	10,300 ft-lb
Operation Limit Torques	
Operating Torque	35,000 ft-lb
Yield Torque	52,000 ft-lb

Notes

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Tenaris



Coupling	Pipe Body	
Grade: P110-CY	Grade: P110-CY	
Body: White	1st Band: White	
1st Band: Grey	2nd Band: Grey	
2nd Band: -	3rd Band: -	
3rd Band: -	4th Band: -	
	5th Band: -	
	6th Band: -	

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry			
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Performance	
Body Yield Strength	641 x1000 lb
Min. Internal Yield Pressure	12,640 psi
SMYS	110,000 psi
Collapse Pressure	11,100 psi

Connection Data

Geometry	
Connection OD	6.300 in.
Coupling Length	8.408 in.
Connection ID	4.778 in.
Make-up Loss	4.204 in.
Threads per inch	5
Connection OD Option	Regular

Performance	
Tension Efficiency	100 %
Joint Yield Strength	641 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	100 %
Compression Strength	641 x1000 lb
Max. Allowable Bending	92 °/100 ft
External Pressure Capacity	11,100 psi

Make-Up Torques	
Minimum	13,860 ft-lb
Optimum	15,400 ft-lb
Maximum	16,940 ft-lb
Operation Limit Torques	
Operating Torque	26,350 ft-lb
Yield Torque	29,300 ft-lb

Notes

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TenarisHydril Wedge 441®



Coupling	Pipe Body
Grade: P110-CY	Grade: P110-CY
Body: White	1st Band: White
1st Band: Grey	2nd Band: Grey
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry			
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Performance	
Body Yield Strength	641 x1000 lb
Min. Internal Yield Pressure	12,640 psi
SMYS	110,000 psi
Collapse Pressure	11,100 psi

Connection Data

Geometry	
Connection OD	5.852 in.
Coupling Length	8.714 in.
Connection ID	4.778 in.
Make-up Loss	3.780 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	81.50 %
Joint Yield Strength	522 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	81.50 %
Compression Strength	522 x1000 lb
Max. Allowable Bending	72.59 °/100 ft
External Pressure Capacity	11,100 psi

Make-Up Torques	
Minimum	15,000 ft-lb
Optimum	16,000 ft-lb
Maximum	19,200 ft-lb
Operation Limit Torques	
Operating Torque	32,000 ft-lb
Operating Torque Yield Torque	32,000 ft-lb 38,000 ft-lb
Yield Torque	

Notes

This connection is fully interchangeable with: Wedge 441® - 5.5 in. - 0.304 (17.00) in. (lb/ft) Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft) Connections with Dopeless® Technology are fully compatible with the same connection in its doped version

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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

Well Number: 404H

Sundry Print Reports
05/15/2025

Allottee or Tribe Name:

Well Name: RIGHT POPULAR 20 FED Well Location: T25S / R29E / SEC 20 / County or Parish/State: EDDY /

NENE / 32.119731 / -103.999218

Type of Well: CONVENTIONAL GAS WELL

Lease Number: NMNM96848 Unit or CA Name: Unit or CA Number:

INCORPORATED

Notice of Intent

Sundry ID: 2852495

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/12/2025 Time Sundry Submitted: 04:28

Date proposed operation will begin: 05/13/2025

Procedure Description: XTO ENERGY INCORPORATED respectfully requests approval to make the following changes to the approved APD. Changes to include well name. The proposed well name is changing from RIGHT POPULAR 20 FED 404H to Corral 20-32 Fed State Com 303H The API number for this well is 30-015-56360.

NOI Attachments

Procedure Description

CORRAL_20_32_FED_STATE_COM_303H_C102_FINAL_04_24_2025_signed_20250512162644.pdf

Page 1 of 2

eived by OCD: 5/15/2025 6:17:38 PM Well Name: RIGHT POPULAR 20 FED

Well Location: T25S / R29E / SEC 20 /

NENE / 32.119731 / -103.999218

County or Parish/State: Page 50 of

NM

Well Number: 404H

Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

Lease Number: NMNM96848

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001556360

Operator: XTO ENERGY INCORPORATED

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

Signed on: MAY 12, 2025 04:27 PM **Operator Electronic Signature: JENA AUSTIN**

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (346) 335-5295

Email address: JENA.N.AUSTIN@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MARIAH HUGHES BLM POC Title: Land Law Examiner

BLM POC Phone: 5752345972 BLM POC Email Address: mhughes@blm.gov

Disposition: Approved **Disposition Date:** 05/15/2025

Signature: Cody Layton Assistant Field Manager

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES

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

(June 2019)	DEPARTMENT OF THE INTERIOR					xpires: October 31, 2021
	BUR	EAU OF LAND MAN	5. Lease Serial No.	NMNM96848		
		NOTICES AND REPO	6. If Indian, Allottee or Tribe	Name		
		form for proposals t Use Form 3160-3 (A				
SU	BMIT IN	TRIPLICATE - Other instru	ıctions on page	2	7. If Unit of CA/Agreement,	Name and/or No.
1. Type of Well		Day			8. Well Name and No.	
2.31 (0 /	✓ Gas V				RIGHT POPULAR 20 FED/404H	
XIUE		INCORPORATED			9. API Well No. 300155636	
3a. Address 15948 US HW	Y 77, AR	DMORE, OK 73401	3b. Phone No. (i) (325) 338-8339	include area code) 9	10. Field and Pool or Explora Purple Sage/Wolfcamp (Gas)	atory Area
4. Location of Well (Footage	, Sec., T., F	R.,M., or Survey Description)			11. Country or Parish, State	
SEC 20/T25S/R29E/NMF	D				EDDY/NM	
	12. CHE	CK THE APPROPRIATE BO	OX(ES) TO IND	ICATE NATURE	OF NOTICE, REPORT OR OT	THER DATA
TYPE OF SUBMISSION	ON			TYP	E OF ACTION	
Notice of Intent		Acidize	Deepe	n	Production (Start/Resume)	Water Shut-Off
_		Alter Casing	Hydra	ulic Fracturing	Reclamation	Well Integrity
Subsequent Report		Casing Repair		Construction	Recomplete	Other
		Change Plans	= -	nd Abandon	Temporarily Abandon	
Final Abandonment N	otice	Convert to Injection	Plug B	Back	Water Disposal	
is ready for final inspection XTO ENERGY INCO name. The proposed well not a the API number for the API num	on.) RPORAT ame is chinis well is	TED respectfully requests a ranging from RIGHT POPUS 30-015-56360.	approval to mak	ke the following c	hanges to the approved API	the operator has detennined that the site D. Changes to include well
14. I hereby certify that the fo JENA AUSTIN / Ph: (346)			Analyst			
(Electronic S	Submissis	20)		Title		
Signature	oubillissic)11) 	05/12/2	2025		
		THE SPACE	FOR FEDE	RAL OR STA	ATE OFICE USE	
Approved by				Land	Law Examiner	05/15/2025
MARIAH HUGHES / Ph:	(575) 234	1-5972 / Approved		Title	Law Lamille	Date 05/15/2025
Conditions of approval, if any certify that the applicant holds which would entitle the applicant	s legal or e	equitable title to those rights			RLSBAD	
	1.001	ATT 0 0 0 1 1212 1			1 310 11	

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

(Form 3160-5, page 2)

Additional Information

Location of Well

0. SHL: NENE / 1095 FNL / 372 FEL / TWSP: 25S / RANGE: 29E / SECTION: 20 / LAT: 32.119731 / LONG: -103.999218 (TVD: 0 feet, MD: 0 feet) PPP: NESE / 2657 FSL / 339 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.100852 / LONG: -103.999038 (TVD: 10060 feet, MD: 18200 feet) PPP: NENE / 0 FNL / 316 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.108145 / LONG: -103.999056 (TVD: 10060 feet, MD: 15600 feet) PPP: NENE / 330 FNL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 20 / LAT: 32.12183 / LONG: -103.999089 (TVD: 10060 feet, MD: 10600 feet) PPP: SESE / 1328 FSL / 349 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 32.097199 / LONG: -103.999029 (TVD: 10060 feet, MD: 19600 feet) BHL: SESE / 280 FSL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 32 / LAT: 32.079721 / LONG: -103.998988 (TVD: 10060 feet, MD: 25827 feet)

Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory Visit:

https://www.emnrd.nm.gov/ocd/contact-us/

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

<u>C-</u>102 Revised July 9, 2024 Submit Electronically via OCD Permitting ☐ Initial Submittal X Amended Report

☐ As Drilled

XIYes □No

Submittal

Type:

WELL	LOCATIO	ON INFO	RMATION

API Number	Pool Code	Pool Name			
30-015-	98220	PURPLE SAGE; WOLFCAMP (GAS)			
Property Code	Property Name CORRAL 2	20-32 FED STATE COM	Well Number 303H		
OGRID No. 005380	Operator Name	Ground Level Elevation 3011'			
Surface Owner: □ State □ Fee □	Tribal 🗷 Federal	Mineral Owner: 🏿 State ☐ Fee ☐ Tribal 🛣 F	ederal		

Surface Location										
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
A	20	25S	29E		1,095 FNL	369 FEL	32.119	9731	-103.999218	EDDY
Bottom Hole Location										
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
0	32	25\$	29E		50 FSL	1,450 FEL	32.079	9086	-104.002607	EDDY
Dedicat	ted Acres	Infill or Defi	ning Well	Defining	g Well API	Overlapping Spacing	g Unit (Y/N)	Consolida	tion Code	
1,9	20.00	INF	ILL			Y			С	

	Kick Off Point (KOP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
0	17	25S	29E		616 FSL	1,450 FEL	32.124482	-104.002712	EDDY	
	First Take Point (FTP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
В	20	25S	29E		100 FNL	1,450 FEL	32.122513	-104.002707	EDDY	
	Last Take Point (LTP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
0	32	258	29E		330 FSL	1,450 FEL	32.079856	-104.002603	EDDY	

Unitized Area or Area of Uniform Interest			Ground Floor Elevation:
	Spacing Unit Type	X Horizontal □ Vertical	3011'

OPERATOR CERTIFICATIONS

Order Numbers:

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

5/12/2025

Jena Austin

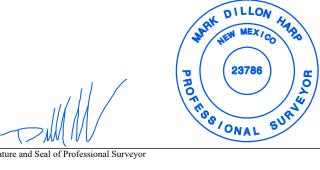
Jena.N.Austin@ExxonMobil.com

Email Address

SURVEYOR CERTIFICATIONS

Well setbacks are under Common Ownership:

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.



Signature and Seal of Professional Surveyor

23786 04-24-2025

Date of Survey

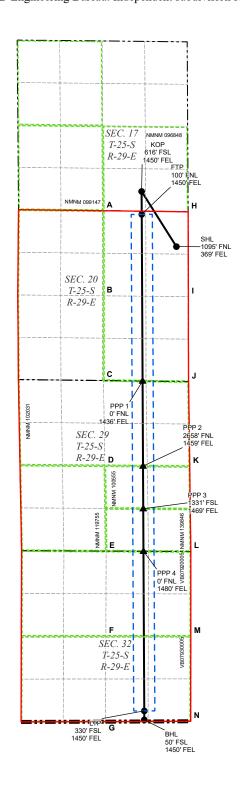
DB 618.013013.02-19

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LEGEND



WELL COORDINATE TABLE								
WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL	644,774.7	407,454.6	32.119731	-103.999218	603,590.6	407,396.2	32.119606	-103.998730
KOP	643,687.7	409,179.6	32.124482	-104.002712	602,503.7	409,121.2	32.124358	-104.002224
FTP	643,691.4	408,463.3	32.122513	-104.002707	602,507.3	408,404.8	32.122388	-104.002219
LTP	643,771.1	392,945.7	32.079856	-104.002603	602,586.7	392,887.7	32.079731	-104.002117
BHL	643,770.9	392,665.7	32.079086	-104.002607	602,586.5	392,607.7	32.078961	-104.002120
PPP 1	643,718.1	403,254.7	32.108195	-104.002672	602,534.0	403,196.4	32.108070	-104.002185
PPP 2	643,731.8	400,596.4	32.100887	-104.002655	602,547.6	400,538.1	32.100762	-104.002167
PPP 3	643,738.6	399,265.6	32.097229	-104.002646	602,554.4	399,207.4	32.097104	-104.002158
PPP 4	643,745.5	397,934.7	32.093570	-104.002637	602,561.2	397,876.5	32.093446	-104.002150

CORNER COORDINATE TABLE						
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y		
Α	642,492.6	408,577.9	601,308.6	408,519.5		
В	642,494.3	405,917.9	601,310.2	405,859.6		
С	642,495.9	403,270.2	601,311.8	403,211.9		
D	642,538.1	400,606.2	601,353.9	400,547.9		
Е	642,580.3	397,940.2	601,396.0	397,882.0		
F	642,568.1	395,277.1	601,383.8	395,219.0		
G	642,556.0	392,610.7	601,371.6	392,552.7		
Н	645,141.2	408,545.6	603,957.1	408,487.2		
I	645,148.4	405,891.0	603,964.2	405,832.6		
J	645,154.2	403,236.5	603,970.0	403,178.1		
K	645,190.7	400,584.5	604,006.4	400,526.2		
L	645,225.2	397,927.8	604,040.9	397,869.6		
М	645,222.7	395,276.3	604,038.3	395,218.2		
N	645,220.9	392,621.7	604,036.4	392,563.7		

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

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 463979

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	463979
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	6/4/2025