Sundry Print Report

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

COM

Well Name: BENT TREE 9-11 FED Well Location: T21S / R27E / SEC 9 /

SENW / 32.496992 / -104.195291

County or Parish/State: EDDY /

NM

Well Number: 622H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM134862 Unit or CA Name: Unit or CA Number:

US Well Number: 3001549031 Operator: DEVON ENERGY

PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2825250

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/05/2024 Time Sundry Submitted: 08:29

Date proposed operation will begin: 12/03/2024

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to change the SHL, spacing, and drilling updates on the subject well. Devon would also like to request a variance for break test and offline cementing. Please see attached revised C102, Drill plan, directional plan, break test, and offline cementing. Permitted SHL: 1855 FNL & 2506 FWL, 9-21S-27E Proposed SHL: 1869 FNL & 2513 FWL, 9-21S-27E. Permitted acreage: 320 acs Proposed acreage: 640 acs.

NOI Attachments

Procedure Description

WA017853827_BENT_TREE_9_11_FED_COM_622H_WL_R6_SIGNED_20241219154019.pdf

Offline_Cementing____Variance_Request_20241205082250.pdf

5.5_17lb_P110EC_DWC_C_IS_PLUS_20241203070110.pdf

10.75_45.5lb_J55_BTC_20241203070109.pdf

8.625_32lb_P110EC_SPRINT_FJ_VST_20241203070110.pdf

 $13.375_54.5lb_J55_20241203070109.pdf$

MB_Wellhd_10M_WC_4_STRING_13.375_10.75_8.625_5.5_20241203065515.pdf

break_test_variance_BOP_1_15_24_20241203065013.pdf

BENT_TREE_9_11_FED_COM_622H_Directional_Plan_10_17_24_20241203064920.pdf

eived by OCD: 1/6/2025 1:50:06 PM Well Name: BENT TREE 9-11 FED

COM

Well Location: T21S / R27E / SEC 9 /

SENW / 32.496992 / -104.195291

County or Parish/State: Page 2 of NM

Well Number: 622H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM134862

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549031

Operator: DEVON ENERGY PRODUCTION COMPANY LP

BENT_TREE_9_11_Fed_COM_622H_20241203064608.pdf

Conditions of Approval

Additional

Bent_Tree_9_11_Fed_Com_622H_Dr_COA_20250102081323.pdf

9_21_27_F_Sundry_ID_2825250_Bent_Tree_9_11_Fed_Com_622H_20250102081323.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: SHANDEE THOMAS Signed on: DEC 19, 2024 03:40 PM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Professional

Street Address: 333 W SHERDIAN AVE

City: OKLAHOMA CITY State: OK

Phone: (405) 552-7853

Email address: SHANDEE.THOMAS@DVN.COM

State:

Field

Representative Name:

Street Address:

City:

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: 01/06/2025

Signature: Chris Walls

Page 2 of 2

Zip:

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

| BUR | EAU OF LAND MANAGEMEN | NT | 5. Lease Serial No. | | | | |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------|--|--|--|
| Do not use this t | IOTICES AND REPORTS ON form for proposals to drill on Use Form 3160-3 (APD) for s | r to re-enter an | 6. If Indian, Allottee or Tribe | Name | | | |
| SUBMIT IN | TRIPLICATE - Other instructions on p | page 2 | 7. If Unit of CA/Agreement, 1 | Name and/or No. | | | |
| 1. Type of Well Gas V | Vell Other | | 8. Well Name and No. | | | | |
| 2. Name of Operator | | | 9. API Well No. | | | | |
| 3a. Address | 3b. Phone N | No. (include area code) | 10. Field and Pool or Explora | ntory Area | | | |
| 4. Location of Well (Footage, Sec., T., R | R.,M., or Survey Description) | | 11. Country or Parish, State | | | | |
| 12. CHE | CK THE APPROPRIATE BOX(ES) TO | INDICATE NATURE (| OF NOTICE, REPORT OR OT | HER DATA | | | |
| TYPE OF SUBMISSION | | TYPI | E OF ACTION | | | | |
| Notice of Intent | Alter Casing H | eepen ydraulic Fracturing | Production (Start/Resume) Reclamation | Well Integrity | | | |
| Subsequent Report | | ew Construction lug and Abandon | Recomplete Temporarily Abandon | Other | | | |
| Final Abandonment Notice | | lug Back | Water Disposal | | | | |
| is ready for final inspection.) | true and correct. Name (Printed/Times) | icits, including rectama | non, nave occir completed and | the operator has determined that the site | | | |
| 14. I hereby certify that the foregoing is | true and correct. Name (Printed/Typed) | Title | | | | | |
| Signature | | Date | | | | | |
| <u> </u> | THE SPACE FOR FE | | TE OFICE USF | | | | |
| Approved by | | | | | | | |
| | | Title | | Date | | | |
| | hed. Approval of this notice does not war equitable title to those rights in the subject duct operations thereon. | | | | | | |
| Title 18 U.S.C Section 1001 and Title 4 | 3 U.S.C Section 1212, make it a crime for | r any person knowingly | and willfully to make to any d | epartment or agency of the United States | | | |

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 State 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

Additional Information

Location of Well

0. SHL: SENW / 1855 FNL / 2506 FWL / TWSP: 21S / RANGE: 27E / SECTION: 9 / LAT: 32.496992 / LONG: -104.195291 (TVD: 0 feet, MD: 0 feet) PPP: SWNE / 2258 FNL / 2253 FEL / TWSP: 21S / RANGE: 27E / SECTION: 9 / LAT: 32.4956515 / LONG: -104.193688 (TVD: 8890 feet, MD: 9256 feet) PPP: SWNW / 2247 FNL / 194 FWL / TWSP: 21S / RANGE: 27E / SECTION: 10 / LAT: 32.495642 / LONG: -104.185764 (TVD: 8947 feet, MD: 11700 feet) PPP: SENW / 2259 FNL / 1494 FWL / TWSP: 21S / RANGE: 27E / SECTION: 10 / LAT: 32.495637 / LONG: -104.181549 (TVD: 8978 feet, MD: 13000 feet) BHL: SENW / 2310 FNL / 2659 FWL / TWSP: 21S / RANGE: 27E / SECTION: 11 / LAT: 32.495685 / LONG: -104.16048 (TVD: 9135 feet, MD: 19334 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

| OPERATOR'S NAME: | Devon Energy Production Company LP |
|------------------|------------------------------------|
| LOCATION: | Section 9, T.21 S., R.27 E., NMPM |
| COUNTY: | Eddy County, New Mexico |

WELL NAME & NO.: Bent Tree 9-11 Fed Com 622H
ATS/API ID: 30-015-49031
APD ID: 10400063247

Sundry ID: 2825250

COA

| H2S | Yes | | |
|-------------------------------------|----------------------------|-----------------------|-----------------------------|
| Potash | None 🔻 | None | |
| Cave/Karst Potential | Medium 🔻 | | |
| Cave/Karst Potential | Critical | | |
| Variance | None | Flex Hose | Other |
| Wellhead | Diverter | | |
| Other | ✓ 4 String □ 5 String | Capitan Reef Int 2 | □WIPP |
| Other | Pilot Hole None | ☐ Open Annulus | |
| Cementing | Contingency Squeeze None | Echo-Meter Int 2 | Primary Cement Squeeze None |
| Special Requirements | ☐ Water Disposal/Injection | ▼ COM | ☐ Unit |
| Special Requirements | ☐ Batch Sundry | Waste Prevention None | |
| Special Requirements Variance | ▼ Break Testing | ▼ Offline Cementing | ☐ Casing Clearance |

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The 13-3/8 inch surface casing shall be set at approximately 400 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be 17 1/2 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.

Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

- 2. The minimum required fill of cement behind the 10-3/4 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, potash or capitan reef.
- 3. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:

Option 1 (Single Stage):

• 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, potash or capitan reef.

Option 2:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. First stage: Operator will cement with intent to reach the top of the Capitan Reef at 1100'.
- b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. (Squeeze 192 sxs Class C)
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, potash or capitan reef.

Operator has proposed to pump down 10-3/4" X 8-5/8" 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 8-5/8" 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. Operator may conduct a negative and positive pressure test during completion to remediate sustained casing pressure.

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.

- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- ❖ In <u>Capitan Reef Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 4. 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.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, potash or capitan reef.

Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

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.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be tested to 500 psi. A Diverter system is approved as a variance to drill the 10-3/4 inch intermediate casing section in a 12 1/4 inch hole.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 10-3/4 inch intermediate casing shoe shall be 3000 (3M) psi. Annular which shall be tested to 2100 (70% Working Pressure) psi.
- c. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 8-5/8 inch intermediate casing shoe shall be 5000 (5M) psi.

Option 2:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be tested to 500 psi. A Diverter system is approved as a variance to drill the 10-3/4 inch intermediate casing section in a 12 1/4 inch hole.
- b. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 10-3/4 inch intermediate casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR part 3170 Subpart 3171
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance (Approved)

- 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 part 3170 Subpart 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

Operator has been (**Approved**) to pump the proposed cement program offline in the **Intermediate(s)** interval.

Offline cementing should commence within 24 hours of landing the casing for the interval.

Notify the BLM 4hrs prior to cementing offline at Eddy County: 575-361-2822.

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

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43** CFR part **3170** Subpart **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.

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-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL
- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.

- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead 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).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been

done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the 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.)

- c. 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 part 3170 Subpart 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).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 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.

Long Vo (LVO) 1/2/2025

9-21-27-F Sundry ID 2825250 Bent Tree 9-11 Fed Com 622H Eddy NM134862 Devon Energy Production Company LP 13-22c 1-29-2021 LV

Bent Tree 9-11 Fed Com 622H

| 13 3/8 | S | urface csg in a | 17 1/2 | inch hole. | | Design I | actors | | | Surface | | |
|-----------------------------------------------------------------------------------------|---------------|------------------------|------------|------------|----------|----------|--------|--------|--------|---------|-------|-----------|
| Segment | #/ft | Grade | | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 54.50 | | j 55 | btc | 39.14 | 6.04 | 6.32 | 400 | 15 | 10.59 | 11.41 | 21,800 |
| "B" btc | | | | | | | 0 | | | | 0 | |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500 Tail Cmt does not circ to sfc. Totals: 400 | | | | | | | | | 21,800 | | | |
| Comparison o | f Proposed to | Minimum Required Cemer | nt Volumes | | | | | | | | | |
| Hole | Annular | 1 Stage | 1 Stage | Min | 1 Stage | Drilling | Calc | Req'd | | | | Min Dist |
| Size | Volume | Cmt Sx | CuFt Cmt | Cu Ft | % Excess | Mud Wt | MASP | BOPE | | | | Hole-Cplg |
| 17 1/2 | 0.6946 | 127 | 183 | 278 | -34 | 9.00 | 258 | 2M | | | | 1.56 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Proposed 10 3/4 | casir | ig inside the | 13 3/8 | | | Design I | Factors | | - | Int 1 | | |
|----------------------------------------------------|---------------|---------------|--------------------|-------------------------|----------------------------|----------|---------|--------|-----|-------|----------|-----------|
| Segment | #/ft | Grade | | Coupling | Joint | Collapse | Burst | Length | B@s | а-В | a-C | Weight |
| "A" | 45.50 | | j 55 | btc scc | 14.04 | 4.84 | 2.8 | 792 | 8 | 5.28 | 8.11 | 36,036 |
| "B" | | | | | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: Totals: 792 | | | | | | | | | | | 36,036 | |
| | | The cement vo | olume(s) are inten | ded to achieve a top of | 0 ft from surface or a 400 | | | | | | overlap. | |
| Hole | Annular | 1 Stage | 1 Stage | Min | 1 Stage | Drilling | Calc | Req'd | | | | Min Dist |
| Size | Volume | Cmt Sx | CuFt Cmt | Cu Ft | % Excess | Mud Wt | MASP | BOPE | | | | Hole-Cplg |
| 12 1/4 | 0.1882 | 122 | 214 | 169 | 27 | 10.50 | 677 | 2M | | | | 0.50 |
| Class 'C' tail cm | it yld > 1.35 | | | | | | | | | | | |
| | | | | | | | | | | | | |

| 8 5/8 | cas | ing inside the | 10 3/4 | | | Design Fa | <u>ctors</u> | | | Int 2 | | |
|-------------------|------------------|-----------------------------------|----------------------------------------|---------------|----------|--------------------------|--------------|--------|-----|-------|------|-----------------|
| Segment | #/ft | Grade | | Coupling | Joint | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 32.00 | р | 110 | vam sprint fj | 8.49 | 3.13 | 1.44 | 2,737 | 6 | 2.41 | 5.90 | 87,584 |
| "B" | | | | | | | | 0 | | | | 0 |
| | w/8.4 | #/g mud, 30min Sfc Csg Test psig: | 1,500 | | | | Totals: | 2,737 | | | | 87,584 |
| | | The cement volu | me(s) are intended to achieve a top of | | 0 | ft from surface or a 792 | | 792 | | | | overlap. |
| Hole | Annular | 1 Stage | 1 Stage | Min | 1 Stage | Drilling | Calc | Req'd | | | | Min Dist |
| Size | Volume | Cmt Sx | CuFt Cmt | Cu Ft | % Excess | Mud Wt | MASP | BOPE | | | | Hole-Cplg |
| 9 7/8 | 0.1261 | 122 | 214 | 352 | -39 | 9.00 | 2972 | 3M | | | | 0.61 |
| | Se | tting Depths for D V Tool(s): | 1100 | | | | sum of sx | Σ CuFt | | | | <u>Σ%excess</u> |
| % exce | ss cmt by stage: | 4 | 90 | | | | 314 | 491 | | | | 40 |
| Class 'C' tail ci | mt yld > 1.35 | | | | | | | | | | | |

| 5 1/2 | casi | ing inside the | 8 5/8 | | | Design | Factors - | | | Prod : | | |
|-------------------------------------------------------|---------------|-------------------------------|------------------|-----------|--------------------------|----------|-----------|--------|-----|--------|----------|-----------|
| Segment | #/ft | Grade | | Coupling | Joint | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 17.00 | | p 110 | dwc/c is+ | 3.52 | 1.5 | 2.14 | 19,238 | 2 | 3.58 | 2.52 | 327,046 |
| "B" | | | | | | | | 0 | | | | 0 |
| | w/8.4# | f/g mud, 30min Sfc Csg Test p | osig: 2,009 | | | | Totals: | 19,238 | | | | 327,046 |
| The cement volume(s) are intended to achieve a top of | | | | 2537 | ft from surface or a 200 | | | | | | overlap. | |
| Hole | Annular | 1 Stage | 1 Stage | Min | 1 Stage | Drilling | Calc | Req'd | | | | Min Dist |
| Size | Volume | Cmt Sx | CuFt Cmt | Cu Ft | % Excess | Mud Wt | MASP | BOPE | | | | Hole-Cplg |
| 7 7/8 | 0.1733 | 1877 | 3501 | 2894 | 21 | 10.50 | | | | | | 0.91 |
| Class 'H' tail cr | mt yld > 1.20 | | Capitan Reef est | top XXXX. | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

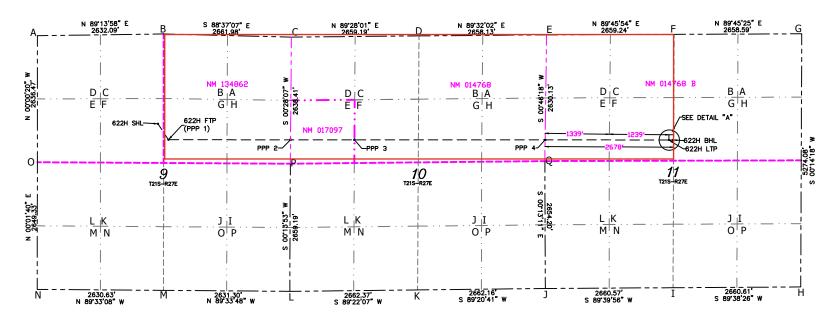
Carlsbad Field Office 1/2/2025

| <u>C-10</u> | 02 | | | | ls & Natura | New Mexico ll Resources Depa | | | Rev | vised July, 2024 | | | |
|------------------|------------------------------------|---------------------------------------|-------------------|--------------|------------------------------------------|-------------------------------------------------|-----------|-------------|----------------------------------------|------------------|--|--|--|
| | lectronically | | OII | COL | NSERVAT | TION DIVISION | ON | | | | | | |
| Via OCD | Permitting | | | | | | | Submittal | | | | | |
| | | | | | | | | Type: | Amended Repor | rt | | | |
| | | | | | | | | | As Drilled | | | | |
| | | | | | | ION INFORMATIO | N | | | | | | |
| | umber 549031 | | Pool Cod 70070 | е | | Pool Name ALACR | AN HILLS | :WOLFO | CAMP (GAS) | | | | |
| | rty Code | | Property | Name | | | | , | Well Number | | | | |
| | | | | | BENT TREI | E 9-11 STATE CO | M | | 622H | | | | |
| OGRID | No. 6137 | | Operator | | N ENERGY P | RODUCTION COMPA | NY I.P | | Ground Level 3219.0' | Elevation | | | |
| Surfac | e Owner: | □State □ | Foo Tril | | | Mineral Owner: | | | Tribal XFederal | | | | |
| Surrac | e Owner. | | ree 🗆III | Dai Mre | derar | mineral owner. | state | ⊔гее ⊔ | Ilibai Mredelai | | | | |
| | | | | | Suri | face Location | | | | | | | |
| UL | Section | Township | Range | Lot | Ft. from N | /S Ft. from E/W | Latitude | | Longitude | County | | | |
| F | 9 | 21-S | 27-E | | 1869' N | 2513' W | 32.496 | 8956 | 104.195266 | EDDY | | | |
| | 1 | | | | Botto | m Hole Location | | | | | | | |
| UL | Section | Township | Range | Lot | Ft. from N | /S Ft. from E/W | Latitude | | Longitude | County | | | |
| F | 11 | 21-S | 27-E | | 2200' N | 2658' W | 32.495 | 987 | 104.160478 | EDDY | | | |
| | 1 | | | | | | | | | | | | |
| | ed Acres | nfill or Def | ining Well | Defining | Well API Over | clapping Spacing Uni | t (Y/N) | | lation Code | | | | |
| 640 | | DEFINING | Ì | | NO |) | | C; PEN | IDING NSL | | | | |
| Order | Numbers | Y - R-2341 | 6 | | Well | l setbacks are under Common Ownership: □Yes ⊠No | | | | | | | |
| | | | | | | | | | | | | | |
| | | m 1: | | | | of Point (KOP) | · | | · · · · · | | | | |
| UL | Section | Township | Range | Lot | Ft. from N, | · | Latitude | | Longitude | County | | | |
| G | 9 | 21-S | 27-E | | 2184' N | 2596' E | 32.4959 | | -104.1948 | EDDY | | | |
| | | | | | 1 | ake Point (FTP) | | | | | | | |
| UL | Section | Township | Range | Lot | Ft. from N, | | Latitude | | Longitude | County | | | |
| G | 9 | 21-S | 27-E | | 2200' N | 2545'E | 32.496 | 041 | 104.194563 | EDDY | | | |
| | | | | | Last Ta | ake Point (LTP) | | | | | | | |
| UL | Section | Township | Range | Lot | Ft. from N, | · | Latitude | | Longitude | County | | | |
| F | 11 | 21-S | 27-E | | 2200' N | 2578' W | 32.495 | 987 | 104.160738 | EDDY | | | |
| | | | | | | Unit Type Horizon | tal Verti | cal | Ground Floor Ele | vation: | | | |
| | | | | | 1 | | | | | | | | |
| 1 | FOR CERTI | | | | | SURVEYOR CERTIFIC | ATIONS | | | | | | |
| | | | | | omplete to the best onal well, that this | I hereby certify that the we | | | | | | | |
| organizat | ion either owi | ns a working inte | rest or unlease | d mineral in | terest in the land | of actual surveys made by | | upervision, | | | | | |
| location p | oursuant to a c | bottom hole loca ontract with an o | owner of a wor | king interes | t or unleased | | | | ERT R. L | DEHO | | | |
| | nterest, or to a e entered by t | | ng agreement o | or a compuls | sory pooling order | | | | N MEX | DEHOLOS | | | |
| | | | | | 1 | | | | \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | (%\"\ | | | |
| | | lessee or owner | | | ion has received the leased mineral | | | | (23261 | _) | | | |
| | | | | | part of the well's ng order from the | | | | PR DOCL | 1 5 1 | | | |
| division. | | 00 1000000 01 00 | annea a comp | ansory poon | ng or uer rrom une | | | | Sylven | | | | |
| ail) to a second | | | | | | Signature and Seal | of Profes | ssional G | Surveyor / c | <u> </u> | | | |
| Signa | ond II | hanas | Date | _,,_, | | bignature and sear | or troie: | eerongi 2 | Surveyor / ONAL | <i></i> | | | |
| 7 PW | mum / | WINY | 1 | 2/19/24 | | | | | | | | | |
| | ed Name ANDEE TI | HOMAS | | | | Certificate Number | Date of | Survey | | | | | |
| | Address | IOMINO | | | | 23261 | 05/20 | 24 | | | | | |
| | | IOMAS@DV | VN.COM | | | ~5~01 | 33,20 | | | | | | |

ACREAGE DEDICATION PLATS

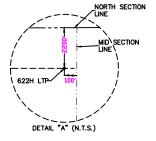
This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the 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.



| A= N:546385.95 B= N:546421.19 C= N:546381.76 E= N:546403.39 F= N:546414.30 G= N:546425.57 H= N:541151.34 I= N:541119.31 E= N:54119.31 M= N:541059.53 M= N:541001.4 | E:584022.53 E:586683.74 E:589342.82 E:592000.86 E:594660.07 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| M=N:541079.59 | E:584020.20 E:581389.65 |

| SURFACE HOLE LOCATION GEODETIC COORDINATES NAD 83 NASP EAST SURFACE LOCATION 1869 FIL 2513 F VIL SECTION 9 EL 3219.0' N544550.92/E583904.19 LAT.32.496956/LDN104.195266 | CALLS: 2184' FNL 2596' FEL | FIRST TAKE POINT 2200' FNL 2545' FEL SECTION 9 N:544218.17/E:584121.57 LAT:32.496041/LON:104.194563 | LAST TAKE PUINT 2200' FNL 2578' FWL SECTION 11 N544218.83/E:594550.09 LAT:92.495987/LUN:104.160738 | 80TTOM HOLE LOCATION 2200° FNL 2658° FWL SECTION 11 N:544214.15/E:594630.10 LAT:32.495987/LON:104.160478 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | PPP 2 2140' FNL 0' FEL SECTION 9 N:513961.18/E:594740.07 LAT:32.412828/LON:104.160281 | PPP 3 2153' FNL 1332' FVL SECTION 10 N:513970.18/E:592093.76 LAT:32.412864/LON:104.168856 | PPP 3 2188' FNL 0' FEL SECTION 10 N:513979.14/E:589456.92 LAT:32.412899/LON:104.177401 | |



Offline Cementing

Variance Request

Devon Energy requests to offline cement on intermediate strings that are set in formations shallower than the Wolfcamp. Prior to commencing offline cementing operations, the well will be monitored for any abnormal pressures and confirmed to be static. A dual manifold system (equipped with chokes) for the returns will also be utilized as a redundancy. All equipment used for offline cementing will have a minimum 5M rating to match intermediate sections' 5M BOPE requirements.



Connection Data Sheet

| OD (in.) | WEIGHT (lbs./ft.) | WALL (in.) | GRADE | DRIFT (in.) | RBW% | CONNECTION |
|----------|------------------------------------|------------|-------------|-------------|------|---------------|
| 5.500 | Nominal: 17.00 Plain End: 16.89 | 0.304 | VST P110 EC | 4.767 | 87.5 | DWC/C-IS PLUS |

| PIPE PROPERTIES | | |
|-----------------------|---------|--------|
| Nominal OD | 5.500 | in. |
| Nominal ID | 4.892 | in. |
| Nominal Area | 4.962 | sq.in. |
| Grade Type | API 5CT | |
| Min. Yield Strength | 125 | ksi |
| Max. Yield Strength | 140 | ksi |
| Min. Tensile Strength | 135 | ksi |
| Yield Strength | 620 | klb |
| Ultimate Strength | 670 | klb |
| Min. Internal Yield | 12,090 | psi |
| *High Collapse* | 8,840 | psi |

| Connection Type | Semi-Premium T& | С |
|------------------------------|-----------------|---------|
| Connection OD (nom) | 6.300 | in. |
| Connection ID (nom) | 4.892 | in. |
| Make-Up Loss | 4.125 | in. |
| Coupling Length | 9.250 | in. |
| Critical Cross Section | 4.962 | sq.in. |
| Tension Efficiency | 100.0% | of pipe |
| Compression Efficiency | 100.0% | of pipe |
| Internal Pressure Efficiency | 100.0% | of pipe |
| External Pressure Efficiency | 100.0% | of pipe |

| CONNECTION PERFORMANCES | | |
|---------------------------------------|--------|----------|
| Yield Strength | 620 | klb |
| Parting Load | 670 | klb |
| Compression Rating | 620 | klb |
| Min. Internal Yield | 12,090 | psi |
| *High Collapse* | 8,840 | psi |
| Maximum Uniaxial Bend Rating | 104.2 | °/100 ft |
| Ref String Length w 1.4 Design Factor | 26,050 | ft |

| FIELD TORQUE VALUES | | |
|-------------------------------|--------|--------|
| Min. Make-up Torque | 13,400 | ft.lbs |
| Opti. Make-up Torque | 14,350 | ft.lbs |
| Max. Make-up Torque | 15,300 | ft.lbs |
| Min. Shoulder Torque | 1,340 | ft.lbs |
| Max. Shoulder Torque | 10,720 | ft.lbs |
| Max. Delta Turn | 0.200 | Turns |
| Max Operational Torque | 17,200 | ft.lbs |
| Maximum Torsional Value (MTV) | 18,920 | ft.lbs |

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

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VAM USA 2107 CityWest Boulevard Suite 1300 Houston, TX 77042 Phone: 713-479-3200

Fax: 713-479-3234

VAM USA Sales E-mail: VAMUSAsales@vam-usa.com Tech Support E-mail: tech.support@vam-usa.com

DWC Connection Data Notes:

- DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
- DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
- API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- 7. Bending efficiency is equal to the compression efficiency.
- The torque values listed are recommended. The actual torque required may be affected by field 8. conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- 11. DWC connections will accommodate API standard drift diameters.
- 12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each

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| <u>10-3/4"</u> | <u>45.50#</u> | 0.400" | <u>J-55</u> | | |
|-----------------------------|--------------------------------|------------------|-------------|----------|--|
| <u>Dimensions (Nominal)</u> | | | | | |
| Outside Diameter | | | 10.750 | in. | |
| Wall | | | 0.400 | in. | |
| Inside Diameter | | | 9.950 | in. | |
| Drift | | | 9.875 | in. | |
| Weight, T&C | | | 45.500 | lbs/ft | |
| Weight, PE | | | 44.260 | lbs/ft | |
| <u>Performance</u> | <u>Properties</u> | | | | |
| Collapse | | | 2090 | psi | |
| Internal Yield Pres | sure at Minimum Yield | | | | |
| | PE | | 3580 | psi | |
| | STC | | 3580 | psi | |
| | ВТС | | 3580 | psi | |
| Yield Strength, Pip | e Body | | 715 | 1000 lbs | |
| Joint Strength | | | | | |
| | STC | | 493 | 1000 lbs | |
| | ВТС | | 796 | 1000 lbs | |
| | BTC Special Clearance (| (11.25" OD Cplg) | 506 | 1000 lbs | |

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.

Received by OCD: 1/6/2025 1:50:06 PM

Issued on: 16 Dec. 2020 by Logan Van Gorp



Connection Data Sheet

| OD | Weight (lb/ft) | Wall Th. | Grade | Alt. Drift: | Connection |
|-----------|------------------|-----------|--------|-------------|----------------|
| 8 5/8 in. | Nominal: 32.00 | 0.352 in. | P110EC | 7.875 in. | VAM® SPRINT-FJ |
| | Plain End: 31.13 | | | | |

| PIPE PROPERTIES | | | |
|--------------------------------|-------|---------|--|
| Nominal OD | 8.625 | in. | |
| Nominal ID | 7.921 | in. | |
| Nominal Cross Section Area | 9.149 | sqin. | |
| Grade Type | Hig | h Yield | |
| Min. Yield Strength | 125 | ksi | |
| Max. Yield Strength | 140 | ksi | |
| Min. Ultimate Tensile Strength | 135 | ksi | |

| CONNECTION PROPERTIES | | | | |
|------------------------------|-------------------|-------------|--|--|
| CONNECTION PROPERTIES | | | | |
| Connection Type | Semi-Premium Into | egral Flush | | |
| Connection OD (nom): | 8.665 | in. | | |
| Connection ID (nom): | 7.954 | in. | | |
| Make-Up Loss | 2.614 | in. | | |
| Critical Cross Section | 6.038 | sqin. | | |
| Tension Efficiency | 65.0 | % of pipe | | |
| Compression Efficiency | 65.0 | % of pipe | | |
| Internal Pressure Efficiency | 80.0 | % of pipe | | |
| External Pressure Efficiency | 100 | % of pipe | | |

| CONNECTION PERFORMAN | NCES | |
|--------------------------------|-------|---------|
| Tensile Yield Strength | 744 | klb |
| Compression Resistance | 744 | klb |
| Max. Internal Pressure | 7,150 | psi |
| Structural Collapse Resistance | 4,000 | psi |
| Max. Bending with Sealability | 41 | °/100ft |
| Max. Bending with Sealability | 10 | °/100ft |

| TORQUE VALUES | | |
|------------------------------------|--------|-------|
| Min. Make-up torque | 15,000 | ft.lb |
| Opt. Make-up torque | 16,500 | ft.lb |
| Max. Make-up torque | 18,000 | ft.lb |
| Max. Torque with Sealability (MTS) | TBD | ft.lb |

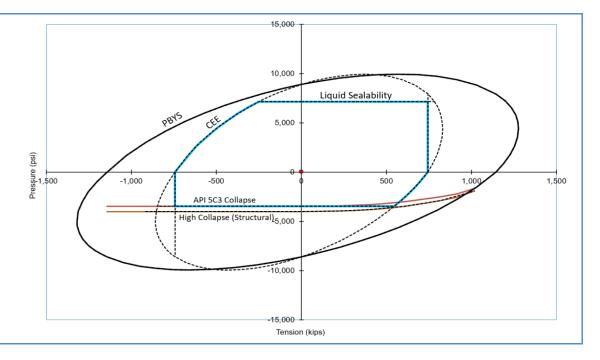
* 87.5% RBW

VAM® SPRINT-FJ is a semi-premium flush connection designed for shale applications, where maximum clearance and high tension capacity are required for intermediate casing strings.

canada@vamfieldservice.com usa@vamfieldservice.com

mexico@vamfieldservice.com

brazil@vamfieldservice.com



Do you need help on this product? - Remember no one knows VAM® like VAM®

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Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance





<u>13-3/8"</u> <u>54.50#</u> <u>.380</u> <u>J-55</u>

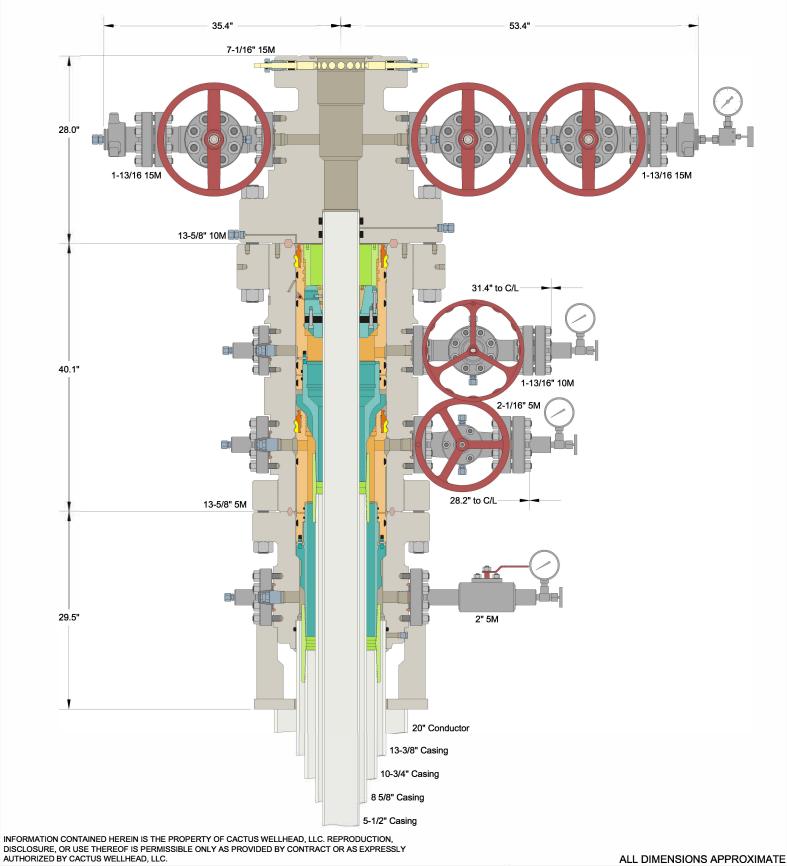
Dimensions (Nominal)

| Outside Diameter | 13.375 | in. |
|-------------------------|--------|--------|
| Wall | 0.380 | in. |
| Inside Diameter | 12.615 | in. |
| Drift | 12.459 | in. |
| | | |
| Weight, T&C | 54.500 | lbs/ft |
| Weight, PE | 52.790 | lbs/ft |

Performance Ratings, Minimum

| Collapse, PE | 1130 | psi |
|---------------------------|------|----------|
| Internal Yields Pressure | | |
| PE | 2730 | psi |
| STC | 2730 | PSI |
| ВТС | 2730 | psi |
| Yield Strength, Pipe Body | 853 | 1000 lbs |
| Joint Strength, STC | 514 | 1000 lbs |
| Joint Strength, BTC | 909 | 1000 lbs |

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.



CACTUS WELLHEAD LLC

20" x 13-3/8" x 10-3/4" x 8-5/8" x 5-1/2" MBU-4T-SOW Wellhead With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head, 10-3/4" & 8-5/8" Mandrel Hangers And 5-1/2" Slip Casing Hanger

MATADOR RESOURCES WOLFCAMP A WELLS (TEXAS)

DRAWN DLE 09AUG19
APPRV

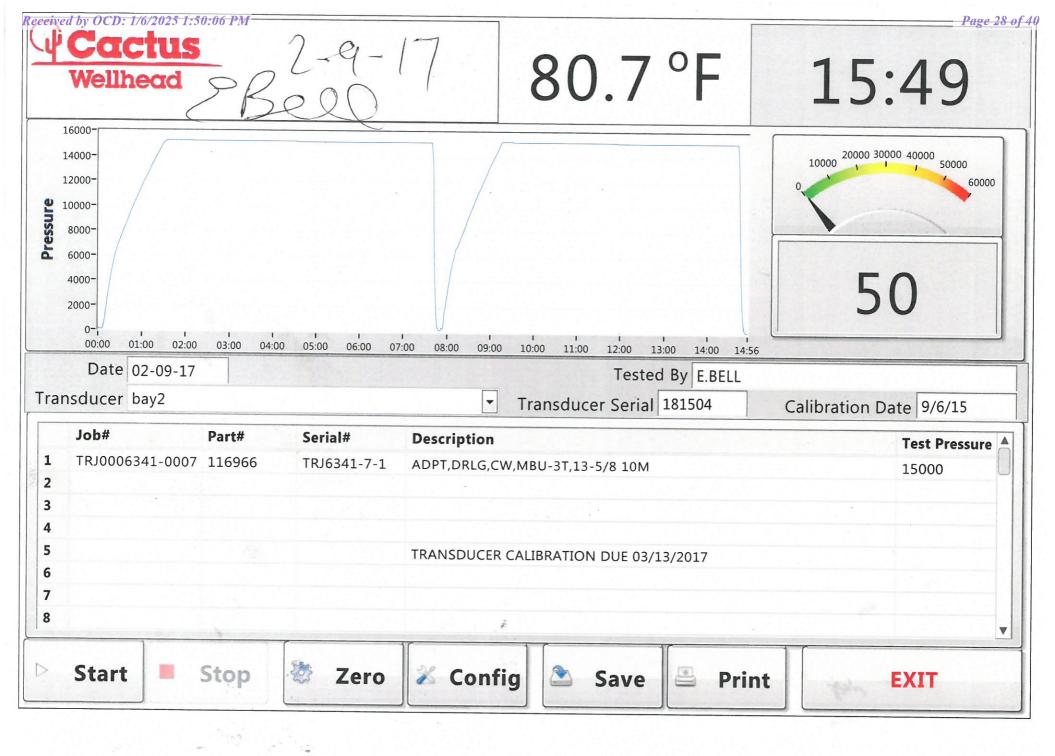
DRAWING NO. HBE0000156

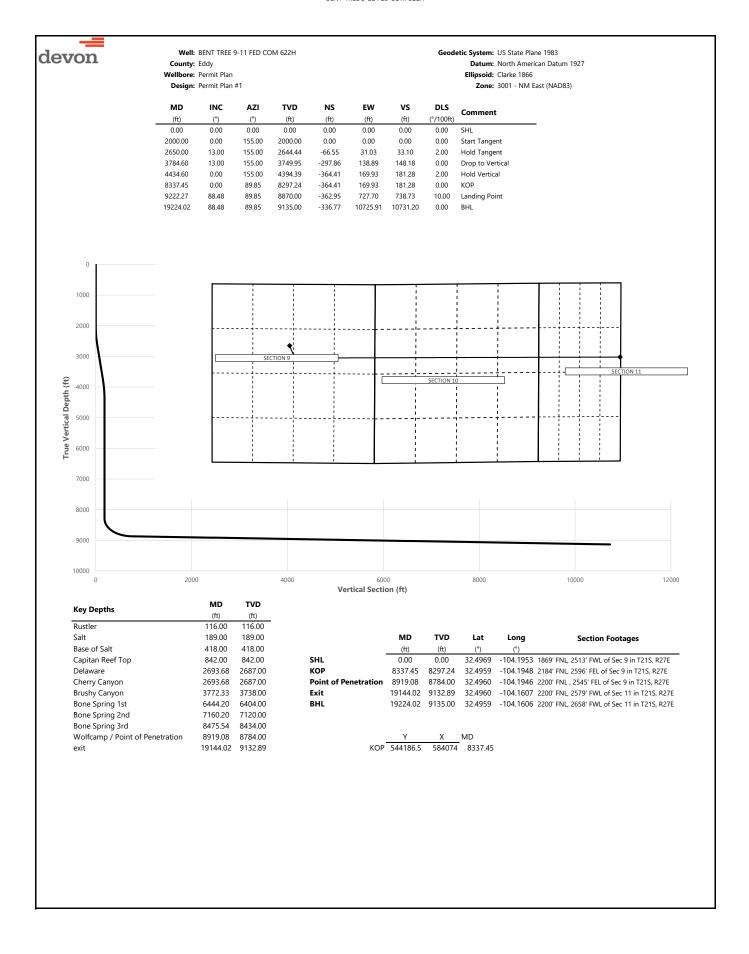
Section 2 - Blowout Preventer Testing Procedure

Variance Request

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of the 10M BOPE to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow 43 CFR 3172, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed 43 CFR 3172 per the following: Devon Energy will perform a full BOP test per 43 CFR 3172 before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. Break test will be a 14 day interval and not a 30 day full BOPE test interval. If in the event break testing is not utilized, then a full BOPE test would be conducted.

- 1. Well Control Response:
- 1. Primary barrier remains fluid
- 2. In the event of an influx due to being underbalanced and after a realized gain or flow, the order of closing BOPE is as follows:
 - a) Annular first
 - b) If annular were to not hold, Upper pipe rams second (which were tested on the skid BOP test)
 - c) If the Upper Pipe Rams were to not hold, Lower Pipe Rams would be third







Well: BENT TREE 9-11 FED COM 622H

County: Eddy Wellbore: Permit Plan

Design: Permit Plan #1 Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866

| | Design: Permit Plan #1 | | | | | Zone: 3001 - NM East (NAD83) | | | |
|--------------------|------------------------|------------------|--------------------|--------------------|------------------|-------------------------------------|-------------------|-------------------------|--|
| MD | INC | AZI | TVD | NS | EW | VS | DLS | Comment | |
| (ft) 0.00 | (°) 0.00 | (°) 0.00 | (ft) 0.00 | (ft) 0.00 | (ft) 0.00 | (ft) 0.00 | (°/100ft) 0.00 | SHL | |
| 100.00 | 0.00 | 155.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | SHE | |
| 116.00 | 0.00 | 155.00 | 116.00 | 0.00 | 0.00 | 0.00 | 0.00 | Rustler | |
| 189.00 | 0.00 | 155.00 | 189.00 | 0.00 | 0.00 | 0.00 | 0.00 | Salt | |
| 200.00 | 0.00 | 155.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 300.00 | 0.00 | 155.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 400.00 | 0.00 | 155.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 418.00 | 0.00 | 155.00 | 418.00 | 0.00 | 0.00 | 0.00 | 0.00 | Base of Salt | |
| 500.00 600.00 | 0.00 | 155.00 155.00 | 500.00 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 700.00 | 0.00 | 155.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 800.00 | 0.00 | 155.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 842.00 | 0.00 | 155.00 | 842.00 | 0.00 | 0.00 | 0.00 | 0.00 | Capitan Reef Top | |
| 900.00 | 0.00 | 155.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1000.00 | 0.00 | 155.00 | 1000.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1100.00 | 0.00 | 155.00 | 1100.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1200.00 | 0.00 | 155.00 | 1200.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1300.00 | 0.00 | 155.00 | 1300.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1400.00 1500.00 | 0.00 | 155.00 155.00 | 1400.00 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1600.00 | 0.00 | 155.00 | 1600.00 | 0.00 | 0.00 | 0.00 0.00 | 0.00 | | |
| 1700.00 | 0.00 | 155.00 | 1700.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1800.00 | 0.00 | 155.00 | 1800.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 1900.00 | 0.00 | 155.00 | 1900.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2000.00 | 0.00 | 155.00 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Tangent | |
| 2100.00 | 2.00 | 155.00 | 2099.98 | -1.58 | 0.74 | 0.79 | 2.00 | | |
| 2200.00 | 4.00 | 155.00 | 2199.84 | -6.32 | 2.95 | 3.15 | 2.00 | | |
| 2300.00 | 6.00 | 155.00 | 2299.45 | -14.22 | 6.63 | 7.08 | 2.00 | | |
| 2400.00 2500.00 | 8.00 10.00 | 155.00 155.00 | 2398.70 2497.47 | -25.27 | 11.78 18.39 | 12.57 | 2.00 2.00 | | |
| 2600.00 | 12.00 | 155.00 | 2595.62 | -39.44 -56.74 | 26.46 | 19.62 28.22 | 2.00 | | |
| 2650.00 | 13.00 | 155.00 | 2644.44 | -66.55 | 31.03 | 33.10 | 2.00 | Hold Tangent | |
| 2693.68 | 13.00 | 155.00 | 2687.00 | -75.45 | 35.18 | 37.53 | 0.00 | Delaware, Cherry Canyon | |
| 2700.00 | 13.00 | 155.00 | 2693.16 | -76.74 | 35.78 | 38.17 | 0.00 | | |
| 2800.00 | 13.00 | 155.00 | 2790.59 | -97.13 | 45.29 | 48.32 | 0.00 | | |
| 2900.00 | 13.00 | 155.00 | 2888.03 | -117.51 | 54.80 | 58.46 | 0.00 | | |
| 3000.00 | 13.00 | 155.00 | 2985.47 | -137.90 | 64.30 | 68.60 | 0.00 | | |
| 3100.00 | 13.00 | 155.00 | 3082.90 | -158.29 | 73.81 | 78.74 | 0.00 | | |
| 3200.00 | 13.00 | 155.00 | 3180.34 | -178.68 | 83.32 | 88.88 | 0.00 | | |
| 3300.00 3400.00 | 13.00 13.00 | 155.00 155.00 | 3277.78 3375.21 | -199.06 -219.45 | 92.83 102.33 | 99.03 109.17 | 0.00 | | |
| 3500.00 | 13.00 | 155.00 | 3472.65 | -239.84 | 111.84 | 119.31 | 0.00 | | |
| 3600.00 | 13.00 | 155.00 | 3570.09 | -260.23 | 121.35 | 129.45 | 0.00 | | |
| 3700.00 | 13.00 | 155.00 | 3667.53 | -280.61 | 130.85 | 139.59 | 0.00 | | |
| 3772.33 | 13.00 | 155.00 | 3738.00 | -295.36 | 137.73 | 146.93 | 0.00 | Brushy Canyon | |
| 3784.60 | 13.00 | 155.00 | 3749.95 | -297.86 | 138.89 | 148.18 | 0.00 | Drop to Vertical | |
| 3800.00 | 12.69 | 155.00 | 3764.97 | -300.96 | 140.34 | 149.72 | 2.00 | | |
| 3900.00 | 10.69 | 155.00 | 3862.89 | -319.33 | 148.91 | 158.85 | 2.00 | | |
| 4000.00 | 8.69 6.69 | 155.00 155.00 | 3961.46 | -334.59 | 156.02 | 166.44 | 2.00 | | |
| 4100.00 4200.00 | 6.69 4.69 | 155.00 | 4060.56 4160.06 | -346.72 -355.70 | 161.68 165.87 | 172.48 176.95 | 2.00 2.00 | | |
| 4300.00 | 2.69 | 155.00 | 4259.84 | -361.54 | 168.59 | 179.85 | 2.00 | | |
| 4400.00 | 0.69 | 155.00 | 4359.80 | -364.22 | 169.84 | 181.18 | 2.00 | | |
| 4434.60 | 0.00 | 155.00 | 4394.39 | -364.41 | 169.93 | 181.28 | 2.00 | Hold Vertical | |
| 4500.00 | 0.00 | 89.85 | 4459.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 4600.00 | 0.00 | 89.85 | 4559.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 4700.00 | 0.00 | 89.85 | 4659.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 4800.00 | 0.00 | 89.85 | 4759.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 4900.00 | 0.00 | 89.85 | 4859.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5000.00 5100.00 | 0.00 | 89.85 89.85 | 4959.80 5059.80 | -364.41 -364.41 | 169.93 169.93 | 181.28 181.28 | 0.00 | | |
| 5200.00 | 0.00 | 89.85 | 5159.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5300.00 | 0.00 | 89.85 | 5259.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5400.00 | 0.00 | 89.85 | 5359.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5500.00 | 0.00 | 89.85 | 5459.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5600.00 | 0.00 | 89.85 | 5559.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5700.00 | 0.00 | 89.85 | 5659.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5800.00 | 0.00 | 89.85 | 5759.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 5900.00 | 0.00 | 89.85 | 5859.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| 6000.00 | 0.00 | 89.85 | 5959.80 | -364.41 | 169.93 | 181.28 | 0.00 | | |
| | | | | | | | | | |



Well: BENT TREE 9-11 FED COM 622H

County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 **Ellipsoid:** Clarke 1866

Zone: 3001 - NM East (NAD83)

| | Design: | Permit Plai | 1#1 | | | | | Zone: 3001 - NM East (NAD83) |
|----------|---------|-------------|---------|---------|---------|---------|-----------|---------------------------------|
| MD | INC | AZI | TVD | NS | EW | vs | DLS | |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100ft) | Comment |
| 6100.00 | 0.00 | 89.85 | 6059.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6200.00 | 0.00 | 89.85 | 6159.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6300.00 | 0.00 | 89.85 | | -364.41 | | 181.28 | 0.00 | |
| 6400.00 | | | 6259.80 | | 169.93 | | | |
| | 0.00 | 89.85 | 6359.80 | -364.41 | 169.93 | 181.28 | 0.00 | Barrie Carlos das |
| 6444.20 | 0.00 | 89.85 | 6404.00 | -364.41 | 169.93 | 181.28 | 0.00 | Bone Spring 1st |
| 6500.00 | 0.00 | 89.85 | 6459.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6600.00 | 0.00 | 89.85 | 6559.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6700.00 | 0.00 | 89.85 | 6659.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6800.00 | 0.00 | 89.85 | 6759.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 6900.00 | 0.00 | 89.85 | 6859.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7000.00 | 0.00 | 89.85 | 6959.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7100.00 | 0.00 | 89.85 | 7059.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7160.20 | 0.00 | 89.85 | 7120.00 | -364.41 | 169.93 | 181.28 | 0.00 | Bone Spring 2nd |
| 7200.00 | 0.00 | 89.85 | 7159.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7300.00 | 0.00 | 89.85 | 7259.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7400.00 | 0.00 | 89.85 | 7359.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7500.00 | 0.00 | 89.85 | 7459.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7600.00 | 0.00 | 89.85 | 7559.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7700.00 | 0.00 | 89.85 | 7659.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7800.00 | 0.00 | 89.85 | 7759.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 7900.00 | 0.00 | 89.85 | 7859.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 8000.00 | 0.00 | 89.85 | 7959.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 8100.00 | 0.00 | 89.85 | 8059.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 8200.00 | 0.00 | 89.85 | 8159.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 8300.00 | 0.00 | 89.85 | 8259.80 | -364.41 | 169.93 | 181.28 | 0.00 | |
| 8337.45 | 0.00 | 89.85 | 8297.24 | -364.41 | 169.93 | 181.28 | 0.00 | KOP |
| | | | | -364.40 | | 184.69 | 10.00 | KOP |
| 8400.00 | 6.26 | 89.85 | 8359.67 | | 173.34 | | | Dana Carina And |
| 8475.54 | 13.81 | 89.85 | 8434.00 | -364.36 | 186.49 | 197.83 | 10.00 | Bone Spring 3rd |
| 8500.00 | 16.26 | 89.85 | 8457.62 | -364.35 | 192.83 | 204.17 | 10.00 | |
| 8600.00 | 26.26 | 89.85 | 8550.70 | -364.25 | 229.04 | 240.35 | 10.00 | |
| 8700.00 | 36.26 | 89.85 | 8636.08 | -364.12 | 280.85 | 292.14 | 10.00 | |
| 8800.00 | 46.26 | 89.85 | 8711.16 | -363.94 | 346.71 | 357.96 | 10.00 | |
| 8900.00 | 56.26 | 89.85 | 8773.67 | -363.74 | 424.61 | 435.81 | 10.00 | |
| 8919.08 | 58.16 | 89.85 | 8784.00 | -363.70 | 440.64 | 451.84 | 10.00 | Wolfcamp / Point of Penetration |
| 9000.00 | 66.26 | 89.85 | 8821.70 | -363.51 | 512.17 | 523.33 | 10.00 | |
| 9100.00 | 76.26 | 89.85 | 8853.79 | -363.26 | 606.75 | 617.85 | 10.00 | |
| 9200.00 | 86.26 | 89.85 | 8868.98 | -363.00 | 705.46 | 716.50 | 10.00 | |
| 9222.27 | 88.48 | 89.85 | 8870.00 | -362.95 | 727.70 | 738.73 | 10.00 | Landing Point |
| 9300.00 | 88.48 | 89.85 | 8872.06 | -362.74 | 805.41 | 816.39 | 0.00 | |
| 9400.00 | 88.48 | 89.85 | 8874.71 | -362.48 | 905.37 | 916.30 | 0.00 | |
| 9500.00 | 88.48 | 89.85 | 8877.36 | -362.22 | 1005.34 | 1016.21 | 0.00 | |
| 9600.00 | 88.48 | 89.85 | 8880.01 | -361.96 | 1105.30 | 1116.12 | 0.00 | |
| 9700.00 | 88.48 | 89.85 | 8882.66 | -361.69 | 1205.27 | 1216.02 | 0.00 | |
| 9800.00 | 88.48 | 89.85 | 8885.31 | -361.43 | 1305.23 | 1315.93 | 0.00 | |
| 9900.00 | 88.48 | 89.85 | 8887.96 | -361.17 | 1405.19 | 1415.84 | 0.00 | |
| 10000.00 | 88.48 | 89.85 | 8890.61 | -360.91 | 1505.16 | 1515.74 | 0.00 | |
| 10100.00 | 88.48 | 89.85 | 8893.26 | -360.65 | 1605.12 | 1615.65 | 0.00 | |
| 10200.00 | 88.48 | 89.85 | 8895.91 | -360.83 | 1705.09 | 1715.56 | 0.00 | |
| | | | | | | | | |
| 10300.00 | 88.48 | 89.85 | 8898.56 | -360.12 | 1805.05 | 1815.47 | 0.00 | |
| 10400.00 | 88.48 | 89.85 | 8901.21 | -359.86 | 1905.02 | 1915.37 | 0.00 | |
| 10500.00 | 88.48 | 89.85 | 8903.86 | -359.60 | 2004.98 | 2015.28 | 0.00 | |
| 10600.00 | 88.48 | 89.85 | 8906.51 | -359.34 | 2104.95 | 2115.19 | 0.00 | |
| 10700.00 | 88.48 | 89.85 | 8909.15 | -359.08 | 2204.91 | 2215.09 | 0.00 | |
| 10800.00 | 88.48 | 89.85 | 8911.80 | -358.81 | 2304.88 | 2315.00 | 0.00 | |
| 10900.00 | 88.48 | 89.85 | 8914.45 | -358.55 | 2404.84 | 2414.91 | 0.00 | |
| 11000.00 | 88.48 | 89.85 | 8917.10 | -358.29 | 2504.80 | 2514.81 | 0.00 | |
| 11100.00 | 88.48 | 89.85 | 8919.75 | -358.03 | 2604.77 | 2614.72 | 0.00 | |
| 11200.00 | 88.48 | 89.85 | 8922.40 | -357.77 | 2704.73 | 2714.63 | 0.00 | |
| 11300.00 | 88.48 | 89.85 | 8925.05 | -357.51 | 2804.70 | 2814.54 | 0.00 | |
| 11400.00 | 88.48 | 89.85 | 8927.70 | -357.24 | 2904.66 | 2914.44 | 0.00 | |
| 11500.00 | 88.48 | 89.85 | 8930.35 | -356.98 | 3004.63 | 3014.35 | 0.00 | |
| 11600.00 | 88.48 | 89.85 | 8933.00 | -356.72 | 3104.59 | 3114.26 | 0.00 | |
| 11700.00 | 88.48 | 89.85 | 8935.65 | -356.46 | 3204.56 | 3214.16 | 0.00 | |
| 11800.00 | 88.48 | 89.85 | 8938.30 | -356.20 | 3304.52 | 3314.07 | 0.00 | |
| 11900.00 | 88.48 | 89.85 | 8940.95 | -355.93 | 3404.49 | 3413.98 | 0.00 | |
| 12000.00 | 88.48 | 89.85 | 8943.60 | -355.67 | 3504.45 | 3513.89 | 0.00 | |
| 12100.00 | 88.48 | 89.85 | 8946.25 | | 3604.41 | 3613.79 | 0.00 | |
| | | | | -355.41 | | | | |
| 12200.00 | 88.48 | 89.85 | 8948.90 | -355.15 | 3704.38 | 3713.70 | 0.00 | |
| 12300.00 | 88.48 | 89.85 | 8951.55 | -354.89 | 3804.34 | 3813.61 | 0.00 | |
| 12400.00 | 88.48 | 89.85 | 8954.20 | -354.62 | 3904.31 | 3913.51 | 0.00 | |
| | | | | | | | | |



Well: BENT TREE 9-11 FED COM 622H

County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 **Ellipsoid:** Clarke 1866

Zone: 3001 - NM East (NAD83)

| | Design. | Permit Plar | | | | | | Zone: 3001 - NM East (NAD83) |
|----------|---------|-------------|---------|---------|----------|----------|-----------|-------------------------------------|
| MD | INC | AZI | TVD | NS | EW | vs | DLS | |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100ft) | Comment |
| 12500.00 | 88.48 | 89.85 | 8956.85 | -354.36 | 4004.27 | 4013.42 | 0.00 | |
| 12600.00 | 88.48 | 89.85 | 8959.50 | -354.10 | 4104.24 | 4113.33 | 0.00 | |
| 12700.00 | 88.48 | 89.85 | 8962.15 | -353.84 | 4204.20 | 4213.24 | 0.00 | |
| 12800.00 | 88.48 | 89.85 | 8964.80 | -353.58 | 4304.17 | 4313.14 | 0.00 | |
| 12900.00 | 88.48 | 89.85 | 8967.45 | -353.32 | 4404.13 | 4413.05 | 0.00 | |
| 13000.00 | 88.48 | 89.85 | 8970.10 | -353.05 | 4504.10 | 4512.96 | 0.00 | |
| 13100.00 | 88.48 | 89.85 | 8972.75 | -352.79 | 4604.06 | 4612.86 | 0.00 | |
| 13200.00 | | 89.85 | 8975.40 | -352.73 | 4704.02 | 4712.77 | | |
| | 88.48 | | | | | | 0.00 | |
| 13300.00 | 88.48 | 89.85 | 8978.05 | -352.27 | 4803.99 | 4812.68 | 0.00 | |
| 13400.00 | 88.48 | 89.85 | 8980.70 | -352.01 | 4903.95 | 4912.59 | 0.00 | |
| 13500.00 | 88.48 | 89.85 | 8983.35 | -351.74 | 5003.92 | 5012.49 | 0.00 | |
| 13600.00 | 88.48 | 89.85 | 8985.99 | -351.48 | 5103.88 | 5112.40 | 0.00 | |
| 13700.00 | 88.48 | 89.85 | 8988.64 | -351.22 | 5203.85 | 5212.31 | 0.00 | |
| 13800.00 | 88.48 | 89.85 | 8991.29 | -350.96 | 5303.81 | 5312.21 | 0.00 | |
| 13900.00 | 88.48 | 89.85 | 8993.94 | -350.70 | 5403.78 | 5412.12 | 0.00 | |
| 14000.00 | 88.48 | 89.85 | 8996.59 | -350.44 | 5503.74 | 5512.03 | 0.00 | |
| 14100.00 | 88.48 | 89.85 | 8999.24 | -350.17 | 5603.71 | 5611.93 | 0.00 | |
| 14200.00 | 88.48 | 89.85 | 9001.89 | -349.91 | 5703.67 | 5711.84 | 0.00 | |
| 14300.00 | 88.48 | 89.85 | 9004.54 | -349.65 | 5803.63 | 5811.75 | 0.00 | |
| 14400.00 | 88.48 | 89.85 | 9007.19 | -349.39 | 5903.60 | 5911.66 | 0.00 | |
| 14500.00 | 88.48 | 89.85 | 9009.84 | -349.13 | 6003.56 | 6011.56 | 0.00 | |
| 14600.00 | 88.48 | 89.85 | 9012.49 | -348.86 | 6103.53 | 6111.47 | 0.00 | |
| 14700.00 | 88.48 | 89.85 | 9015.14 | -348.60 | 6203.49 | 6211.38 | 0.00 | |
| 14800.00 | 88.48 | 89.85 | 9017.79 | -348.34 | 6303.46 | 6311.28 | 0.00 | |
| 14900.00 | 88.48 | 89.85 | 9020.44 | -348.08 | 6403.42 | 6411.19 | 0.00 | |
| 15000.00 | 88.48 | 89.85 | 9023.09 | -347.82 | 6503.39 | 6511.10 | 0.00 | |
| 15100.00 | 88.48 | 89.85 | 9025.74 | -347.56 | 6603.35 | 6611.01 | 0.00 | |
| 15200.00 | 88.48 | 89.85 | 9028.39 | -347.29 | 6703.32 | 6710.91 | 0.00 | |
| 15300.00 | 88.48 | 89.85 | 9031.04 | | | 6810.82 | | |
| | | | | -347.03 | 6803.28 | | 0.00 | |
| 15400.00 | 88.48 | 89.85 | 9033.69 | -346.77 | 6903.24 | 6910.73 | 0.00 | |
| 15500.00 | 88.48 | 89.85 | 9036.34 | -346.51 | 7003.21 | 7010.63 | 0.00 | |
| 15600.00 | 88.48 | 89.85 | 9038.99 | -346.25 | 7103.17 | 7110.54 | 0.00 | |
| 15700.00 | 88.48 | 89.85 | 9041.64 | -345.98 | 7203.14 | 7210.45 | 0.00 | |
| 15800.00 | 88.48 | 89.85 | 9044.29 | -345.72 | 7303.10 | 7310.36 | 0.00 | |
| 15900.00 | 88.48 | 89.85 | 9046.94 | -345.46 | 7403.07 | 7410.26 | 0.00 | |
| 16000.00 | 88.48 | 89.85 | 9049.59 | -345.20 | 7503.03 | 7510.17 | 0.00 | |
| 16100.00 | 88.48 | 89.85 | 9052.24 | -344.94 | 7603.00 | 7610.08 | 0.00 | |
| 16200.00 | 88.48 | 89.85 | 9054.89 | -344.67 | 7702.96 | 7709.98 | 0.00 | |
| 16300.00 | 88.48 | 89.85 | 9057.54 | -344.41 | 7802.93 | 7809.89 | 0.00 | |
| 16400.00 | 88.48 | 89.85 | 9060.19 | -344.15 | 7902.89 | 7909.80 | 0.00 | |
| 16500.00 | 88.48 | 89.85 | 9062.84 | -343.89 | 8002.85 | 8009.71 | 0.00 | |
| 16600.00 | 88.48 | 89.85 | 9065.48 | -343.63 | 8102.82 | 8109.61 | 0.00 | |
| 16700.00 | 88.48 | 89.85 | 9068.13 | -343.37 | 8202.78 | 8209.52 | 0.00 | |
| 16800.00 | 88.48 | 89.85 | 9070.78 | -343.10 | 8302.75 | 8309.43 | 0.00 | |
| 16900.00 | 88.48 | 89.85 | 9073.43 | -342.84 | 8402.71 | 8409.33 | 0.00 | |
| 17000.00 | 88.48 | 89.85 | 9076.08 | -342.58 | 8502.68 | 8509.24 | 0.00 | |
| 17100.00 | 88.48 | 89.85 | 9078.73 | -342.32 | 8602.64 | 8609.15 | 0.00 | |
| 17100.00 | 88.48 | 89.85 | 9076.73 | -342.32 | 8702.61 | 8709.05 | 0.00 | |
| 17300.00 | 88.48 | 89.85 | 9084.03 | -342.06 | 8802.57 | 8808.96 | 0.00 | |
| | | | | | | | 0.00 | |
| 17400.00 | 88.48 | 89.85 | 9086.68 | -341.53 | 8902.54 | 8908.87 | | |
| 17500.00 | 88.48 | 89.85 | 9089.33 | -341.27 | 9002.50 | 9008.78 | 0.00 | |
| 17600.00 | 88.48 | 89.85 | 9091.98 | -341.01 | 9102.46 | 9108.68 | 0.00 | |
| 17700.00 | 88.48 | 89.85 | 9094.63 | -340.75 | 9202.43 | 9208.59 | 0.00 | |
| 17800.00 | 88.48 | 89.85 | 9097.28 | -340.49 | 9302.39 | 9308.50 | 0.00 | |
| 17900.00 | 88.48 | 89.85 | 9099.93 | -340.22 | 9402.36 | 9408.40 | 0.00 | |
| 18000.00 | 88.48 | 89.85 | 9102.58 | -339.96 | 9502.32 | 9508.31 | 0.00 | |
| 18100.00 | 88.48 | 89.85 | 9105.23 | -339.70 | 9602.29 | 9608.22 | 0.00 | |
| 18200.00 | 88.48 | 89.85 | 9107.88 | -339.44 | 9702.25 | 9708.13 | 0.00 | |
| 18300.00 | 88.48 | 89.85 | 9110.53 | -339.18 | 9802.22 | 9808.03 | 0.00 | |
| 18400.00 | 88.48 | 89.85 | 9113.18 | -338.91 | 9902.18 | 9907.94 | 0.00 | |
| 18500.00 | 88.48 | 89.85 | 9115.83 | -338.65 | 10002.15 | 10007.85 | 0.00 | |
| 18600.00 | 88.48 | 89.85 | 9118.48 | -338.39 | 10102.11 | 10107.75 | 0.00 | |
| 18700.00 | 88.48 | 89.85 | 9121.13 | -338.13 | 10202.07 | 10207.66 | 0.00 | |
| 18800.00 | 88.48 | 89.85 | 9123.78 | -337.87 | 10302.04 | 10307.57 | 0.00 | |
| 18900.00 | 88.48 | 89.85 | 9126.43 | -337.61 | 10402.00 | 10407.48 | 0.00 | |
| 19000.00 | 88.48 | 89.85 | 9129.08 | -337.34 | 10501.97 | | 0.00 | |
| 19100.00 | 88.48 | 89.85 | 9131.73 | -337.34 | 10601.93 | 10607.38 | 0.00 | |
| 19144.02 | 88.48 | 89.85 | 9132.89 | -336.97 | 10601.93 | 10657.29 | 0.00 | exit |
| 19200.00 | 88.48 | | | | | 10651.27 | 0.00 | CAIL |
| 12200.00 | 00.40 | 89.85 | 9134.38 | -336.82 | | 10/0/.20 | 0.00 | |
| 19224.02 | 88.48 | 89.85 | 9135.00 | -336.77 | 10725 04 | 10731.20 | 0.00 | BHL |

devon

Well: BENT TREE 9-11 FED COM 622H

County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 **Ellipsoid:** Clarke 1866

Zone: 3001 - NM East (NAD83)

INC TVD MD AZI NS EW ٧S DLS Comment (ft) (°) (°) (ft) (ft) (ft) (ft) (°/100ft)

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INC TVD MD AZI NS EW ٧S DLS Comment (ft) (°) (°) (ft) (ft) (ft) (ft) (°/100ft)

1. Geologic Formations

| TVD of target | 9133 | Pilot hole depth | N/A |
|---------------|-------|------------------------------|-----|
| MD at TD: | 19238 | Deepest expected fresh water | |

Basin

| | Depth | Water/Mineral | |
|-------------------|---------|----------------|----------|
| Formation | (TVD) | Bearing/Target | Hazards* |
| | from KB | Zone? | |
| Rustler | 100 | | |
| Salt | 189 | | |
| Base of Salt | 418 | | |
| Capitan Reef Top | 842 | | |
| Capitan Reef Base | 2600 | | |
| Delaware | 2687 | | |
| Bone Spring 1st | 6404 | | |
| Bone Spring 2nd | 7120 | | |
| Bone Spring 3rd | 8434 | | |
| Wolfcamp | 8784 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

^{*}H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program (Primary Design)

| Hole Size | Csg. Size | Wt (PPF) | Grade | Conn | Top (MD) | Bottom (MD) | Top (TVD) | Bottom (TVD) |
|-----------|-----------|----------|--------|-----------|----------|----------------|-----------|-----------------|
| 17 1/2 | 13 3/8 | 54.5 | J-55 | BTC | 0.0 | 125 MD | 0 | 125 TVD |
| 12 1/4 | 10 3/4 | 45.5 | J-55 | BTC SCC | 0.0 | 792 MD | 0 | 792 TVD |
| 9 7/8 | 8 5/8 | 32.0 | P110EC | Sprint FJ | 0 | 2737 MD | 0 | 2737 TVD |
| 7 7/8 | 5 1/2 | 17.0 | P110 | DWC/C IS+ | 0 | 19238 MD | 0 | 9133 TVD |

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.
- The Rustler top will be validated via drilling parameters (i.e. reduction in ROP), and the surface casing setting depth will be revised accordingly. In addition, surface casing will be set a minimum of 25' above the top of the salt.

3. Cementing Program (Primary Design)

| Casing | # Sks | тос | Wt. (lb/gal) | Yld (ft3/sack) | Slurry Description |
|--------------|-------|------|--------------|-------------------|------------------------------------------|
| Surface | 127 | Surf | 13.2 | 1.44 | Lead: Class C Cement + additives |
| Int | 21 | Surf | 9 | 3.27 | Lead: Class C Cement + additives |
| IIII | 101 | 292 | 13.2 | 1.44 | Tail: Class H / C + additives |
| Int 1 | 84 | Surf | 9 | 3.27 | Lead: Class C Cement + additives |
| IIII 1 | 67 | 2237 | 13.2 | 1.44 | Tail: Class H / C + additives |
| Int 1 | 192 | Surf | 9 | 1.44 | Squeeze Lead: Class C Cement + additives |
| Intermediate | 21 | Surf | 9 | 3.27 | Lead: Class C Cement + additives |
| Squeeze | 101 | 2237 | 13.2 | 1.44 | Tail: Class H / C + additives |
| Production | 436 | 792 | 9 | 3.27 | Lead: Class H /C + additives |
| Froduction | 1441 | 8350 | 13.2 | 1.44 | Tail: Class H / C + additives |

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate 1 casing string with the first stage being pumped conventionally with the calculated top of cement at the Capitan Reef and the second stage performed as a bradenhead squeeze with planned cement from the Capitan Reef to surface. The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

| Casing String | % Excess |
|---------------------------------|----------|
| Surface | 50% |
| Intermediate and Intermediate 1 | 30% |
| Intermediate 1 (Two Stage) | 25% |
| Prod | 10% |

Devon Energy requests to offline cement on intermediate strings that are set in formations shallower than the Wolfcamp. Prior to commencing offline cementing operations, the well will be monitored for any abnormal pressures and confirmed to be static. A dual manifold system (equipped with chokes) for the returns will also be utilized as a redundancy. All equipment used for offline cementing will have a minimum 5M rating to match intermediate sections' 5M BOPE requirements.

4. Pressure Control Equipment (Four String Design)

| BOP installed and tested before drilling which hole? | Size? | Min. Require d WP | Туре | | ✓ | Tested to: | | |
|------------------------------------------------------|--------------------------------------------------------------|-------------------------|--------------|---------------|----------------|--------------------------------|---|--------------------------------|
| | | | Anı | nular | | n/a | | |
| Int | | | Bline | l Ram | | | | |
| Int | | | Pipe | Ram | | 500psi | | |
| | | | Doub | le Ram | | Soopsi | | |
| | | | Other* | diverter | X | | | |
| | | | Annular (5M) | | X | 100% of rated working pressure | | |
| Int 1 | 13-5/8" | 5M | 12 5/9" 5M | 12.5/9" 514 | | Blind Ram | | |
| Int 1 | | | Pipe Ram | | | 5M | | |
| | | | Double Ram | | X | JIVI | | |
| | | | Other* | | | | | |
| | | | | | Annul | ar (5M) | X | 100% of rated working pressure |
| Production | 13-5/8" | 5M | Blind Ram | | X | | | |
| Troduction | 13-3/6 | JIVI | Pipe | Pipe Ram | | 5M | | |
| | | | Double Ram | | X | JIVI | | |
| | | | Other* | | | | | |
| N A variance is requested for | r the use of a | diverter on | the surface | casing. See a | ttached for so | chematic. | | |
| N A variance is requested to | A variance is requested to run a 5 M annular on a 10M system | | | | | | | |

By definition, the diverter will only be used to divert flow from the well and not to shut in the well. Prior to drilling out, the diverter will be tested to 250 PSI to ensure functionality.

5. Mud Program (Four String Design)

| Section | Туре | Weight (ppg) |
|----------------|-----------------|-----------------|
| Surface | WBM | 8.5-9 |
| Intermediate | DBE / Cut Brine | 10-10.5 |
| Intermediate 1 | WBM | 8.5-9 |
| Production | OBM | 10-10.5 |

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

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

6. Logging and Testing Procedures

| | or bogging and resump resources | | | | | | |
|------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Logging, C | Logging, Coring and Testing | | | | | | |
| | Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the | | | | | | |
| X | Completion Rpeort and sbumitted to the BLM. | | | | | | |
| | No logs are planned based on well control or offset log information. | | | | | | |
| | Drill stem test? If yes, explain. | | | | | | |
| | Coring? If yes, explain. | | | | | | |

| Additional logs planned | | Interval |
|-------------------------|-------------|-------------------------|
| | Resistivity | Int. shoe to KOP |
| | Density | Int. shoe to KOP |
| X | CBL | Production casing |
| X | Mud log | Intermediate shoe to TD |
| | PEX | |

7. Drilling Conditions

| Condition | Specfiy what type and where? | | | |
|----------------------------|------------------------------|--|--|--|
| BH pressure at deepest TVD | 4987 | | | |
| Abnormal temperature | No | | | |

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

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

N H2S is present
Y H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 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).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

| Attachments | | | | |
|-------------|------------------|--|--|--|
| X | Directional Plan | | | |
| | Other, describe | | | |

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 417459

CONDITIONS

| Operator: | OGRID: |
|-------------------------------------|--------------------------------------|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 417459 |
| | Action Type: |
| | [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| С | reated By | Condition | Condition Date |
|---|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1 | matthew.gomez | The C-103 NOI was not approved or rejected; however, the work requested in the C-103 NOI was performed and completed without NMOCD approval. This action will result in review for potential compliance actions. | 4/3/2025 |