

| | | |
|--------------------------------------|---|----------------------------------|
| Well Name: VAN DOO DAH 33-28 FED COM | Well Location: T25S / R32E / SEC 28 / NENE / 32.10739 / -103.673933 | County or Parish/State: LEA / NM |
| Well Number: 530H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMLC062300 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: | Operator: DEVON ENERGY PRODUCTION COMPANY LP | |

Notice of Intent

Sundry ID: 2876837

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/02/2025

Time Sundry Submitted: 09:05

Date proposed operation will begin: 10/10/2025

Procedure Description: Devon Energy Production Co., LP respectfully requests a SHL, BHL and casing plan change for the subject well (APD ID 10400102809). Please see revised C102, drill plan, directional plan. Permitted SHL: 475 FNL, 755 FEL, Section 28, Township 25-S, Range 32-E, UL-A Proposed SHL: 325 FNL, 795 FEL, Section 28, Township 25-S, Range 32-E, UL-A Permitted BHL: 20 FSL, 330 FEL, Section 33, Township 25-S, Range 32-E, UL-P Proposed BHL: 20 FSL, 740 FEL, Section 33, Township 25-S, Range 32-E, UL-P

NOI Attachments

Procedure Description

8.625_32lb_J55_GEOCONN_20251106145455.pdf

5.5_20lb_P110EC_DWC_C_IS_PLUS_20251106145454.pdf

13.375_54.5lb_J55_20251106145439.pdf

VAN_DOO_DAH_28_33_FED_COM_530H_11_06_2025_20251106145422.pdf

WP_28_3_UPDATED_SITE_MAP_20251002090359.pdf

VAN_DOO_DAH_28_33_FED_COM_530H_Directional_Plan_09_24_25_20251002090351.pdf

WA022501528_VAN_DOO_DAH_33_28_FED_COM_530H_WL_R3_SIGNED_20251002090334.pdf

Well Name: VAN DOO DAH 33-28 FED COM

Well Location: T25S / R32E / SEC 28 / NENE / 32.10739 / -103.673933

County or Parish/State: LEA / NM

Well Number: 530H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC062300

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

Sundry_ID_2876837_20251203082348.pdf

Sundry_ID_2876836_COA_20251203082347.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: AMY BROWN

Signed on: NOV 06, 2025 02:55 PM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Professional

Street Address: 333 WEST SHERIDAN AVENUE

City: OKLAHOMA CITY State: OK

Phone: (405) 552-6137

Email address: AMY.BROWN@DVN.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: 12/05/2025

Signature: Chris Walls

Form 3160-5
(October 2024)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

| | | | |
|---|--|-----------------------------------|---|
| SUBMIT IN TRIPPLICATE - Other instructions on page 2 | | | 5. Lease Serial No. |
| 1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | | 6. If Indian, Allottee or Tribe Name |
| 2. Name of Operator | | | 7. If Unit of CA/Agreement, Name and/or No. |
| 3a. Address | | 3b. Phone No. (include area code) | 8. Well Name and No. |
| 4. Location of Well (Footage, Sec., T.R.M., or Survey Description) | | | 9. API Well No. |
| | | | 10. Field and Pool or Exploratory Area |
| | | | 11. Country or Parish, State |

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

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

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

| | | |
|---|-------|--|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) | Title | |
| Signature | Date | |

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect 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: NENE / 475 FNL / 755 FEL / TWSP: 25S / RANGE: 32E / SECTION: 28 / LAT: 32.10739 / LONG: -103.673933 (TVD: 0 feet, MD: 0 feet)
PPP: NENE / 100 FNL / 330 FEL / TWSP: 25S / RANGE: 32E / SECTION: 28 / LAT: 32.1084266 / LONG: -103.672563 (TVD: 8610 feet, MD: 8660 feet)
PPP: NENE / 192 FNL / 339 FEL / TWSP: 25S / RANGE: 32E / SECTION: 33 / LAT: 32.0936587 / LONG: -103.6725603 (TVD: 9061 feet, MD: 14300 feet)
PPP: NESE / 2507 FSL / 335 FEL / TWSP: 25S / RANGE: 32E / SECTION: 28 / LAT: 32.1010805 / LONG: -103.6725632 (TVD: 9073 feet, MD: 11600 feet)
BHL: SESE / 20 FSL / 330 FEL / TWSP: 25S / RANGE: 32E / SECTION: 33 / LAT: 32.0797157 / LONG: -103.672555 (TVD: 9039 feet, MD: 19372 feet)

CONFIDENTIAL

Van Doo Dah 33-28 Fed Com 530H

| 13 3/8 surface csg in a | | | 17 1/2 inch hole. | Design Factors | | | | Surface | | | |
|---|----------------|----------------|-------------------|----------------|------------------|-----------------|-----------|------------|------|------|--------------------|
| Segment | #/ft | Grade | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 54.50 | j 55 | btc | 19.97 | 3.08 | 1.12 | 784 | 8 | 1.88 | 5.82 | 42,728 |
| "B" | | | btc | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500 | | | | | | | | | | | |
| Comparison of Proposed to Minimum Required Cement Volumes | | | | | | | | | | | |
| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | | | Min Dist Hole-Cplg |
| 17 1/2 | 0.6946 | 638 | 893 | 545 | 64 | 9.00 | 1453 | 2M | | | 1.56 |

Site plan (page 1000) for this well was not found.

| 8 5/8 casing inside the | | | 13 3/8 | Design Factors | | | | Int 1 | | | |
|---|----------------|----------------|------------------|----------------|------------------|-----------------|-----------|------------|------|------|--------------------|
| Segment | #/ft | Grade | Coupling | Joint | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 32.00 | j 55 | geoconn | 2.89 | 1.04 | 0.91 | 4,464 | 2 | 1.72 | 1.74 | 142,848 |
| "B" | | | | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 803 | | | | | | | | | | | |
| The cement volume(s) are intended to achieve a top of 0 ft from surface or a | | | | | | | | | | | |
| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | | | Min Dist Hole-Cplg |
| 9 7/8 | 0.1261 | 345 | 1011 | 827 | 22 | 10.50 | 2287 | 3M | | | 0.44 |
| # D V Tool(s): | | | | | | | | | | | |
| t by stage % : | | | | | | | | | | | |
| Class 'C' tail cmt yld > 1.35 | | | | | | | | | | | |
| Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.88, b, c, d All > 0.70, OK. | | | | | | | | | | | |

| 5 1/2 casing inside the | | | 8 5/8 | Design Factors | | | | Prod 1 | | | |
|---|----------------|----------------|------------------|----------------|------------------|-----------------|-----------|------------|------|------|--------------------|
| Segment | #/ft | Grade | Coupling | Joint | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 20.00 | p 110 | dwc/c is+ | 3.95 | 2.8 | 3.32 | 19,400 | 3 | 6.28 | 5.29 | 388,000 |
| "B" | | | | | | | 0 | | | | 0 |
| "C" | | | | | | | 0 | | | | 0 |
| "D" | | | | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 2,033 | | | | | | | | | | | |
| The cement volume(s) are intended to achieve a top of 4264 ft from surface or a | | | | | | | | | | | |
| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | | | Min Dist Hole-Cplg |
| 7 7/8 | 0.1733 | 1701 | 2893 | 2623 | 10 | 9.00 | 200 | | | | 0.79 |
| Class 'C' tail cmt yld > 1.35 | | | | | | | | | | | |

| #N/A | | | 5 1/2 | Design Factors | | | | <Choose Casing> | | | |
|--|----------------|----------------|------------------|----------------|------------------|----------------------|-----------|-----------------|-----|-----|-----------------------------|
| Segment | #/ft | Grade | Coupling | #N/A | Collaps | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | | | 0.00 | | | | 0 | | | | 0 |
| "B" | | | 0.00 | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: | | | | | | | | | | | |
| Cmt vol calc below includes this csg, TOC intended | | | | | | | | | | | |
| Hole Size | Annular Volume | 1 Stage Cmt Sx | 1 Stage CuFt Cmt | Min Cu Ft | 1 Stage % Excess | Drilling Mud Wt | Calc MASP | Req'd BOPE | | | overlap. Min Dist Hole-Cplg |
| 0 | #N/A | #N/A | #N/A | 0 | #N/A | ft from surface or a | #N/A | | | | |
| #N/A Capitan Reef est top XXXX. | | | | | | | | | | | |

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

| | |
|-------------------------|---|
| OPERATOR'S NAME: | Devon Energy Production Company LP <input type="button" value="▼"/> |
| LOCATION: | Section 28, T.25 S., R.32 E., NMPM |
| COUNTY: | Lea County, New Mexico <input type="button" value="▼"/> |

| | |
|-----------------------------|--------------------------------|
| WELL NAME & NO.: | Van Doo Dah 33-28 Fed Com 530H |
| ATS/API ID: | 3002554981 |
| APD ID: | 10400102809 |
| Sundry ID: | 2876837 |

COA

| | | | |
|-------------------------------|--|---|--|
| H2S | Yes <input type="button" value="▼"/> | | |
| Potash | None <input type="button" value="▼"/> | None <input type="button" value="▼"/> | |
| Cave/Karst Potential | Low <input type="button" value="▼"/> | | |
| Cave/Karst Potential | <input type="checkbox"/> Critical | | |
| Variance | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Flex Hose | <input type="checkbox"/> Other |
| Wellhead | Conventional and Multibowl <input type="button" value="▼"/> | | |
| Other | <input type="checkbox"/> 4 String <input type="checkbox"/> 5 String | Capitan Reef <input type="button" value="▼"/> | <input type="checkbox"/> WIPP |
| Other | Pilot Hole <input type="button" value="▼"/> | <input type="checkbox"/> Open Annulus | |
| Cementing | Contingency Squeeze <input type="button" value="▼"/> | Echo-Meter <input type="button" value="▼"/> | Primary Cement Squeeze <input type="button" value="▼"/> |
| Special Requirements | <input type="checkbox"/> Water Disposal/Injection | <input checked="" type="checkbox"/> COM | <input checked="" type="checkbox"/> Unit |
| Special Requirements | <input type="checkbox"/> Batch Sundry | Waste Prevention <input type="button" value="▼"/> | |
| Special Requirements Variance | <input checked="" type="checkbox"/> BOPE Break Testing <input checked="" type="checkbox"/> Offline BOPE Testing | <input checked="" type="checkbox"/> Offline Cementing | <input type="checkbox"/> Casing Clearance |

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Brushy** 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 **784 feet** (a minimum of 70 feet 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.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. **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.**

Operator has proposed to pump down **13-3/8" X 8-5/8"** annulus after primary cementing stage. Operator must run a CBL from TD of the **8-5/8"** casing to surface. Submit results to the BLM. Operator may conduct a negative and positive pressure test during completion to remediate sustained casing pressure.

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

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. **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 **3000 (3M)** psi. **Annular which shall be tested to 2100 (70% Working Pressure) psi.**
- b. 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:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** 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 **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)

Communityization Agreement

- The operator will submit a Communityization 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 Communityization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communityization 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 Communityization Agreement number is known, it shall also be on the sign.

Commercial Well Determination

- A commercial well determination shall be submitted after production has been established for at least six months if the well penetrate a federal exploratory unit acreage, in addition the unit number and participating area number shall be on the well sign when the well is determined to be a Unit well.
- If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

BOPE Break Testing Variance (Approved)

- BOPE Break Testing is ONLY permitted for 5M psi MASP or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- 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.
- The BLM is to be contacted **(575-689-5981 Lea 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.
- The BOPE testing shall be conducted while the rig is stationary.

Intermediate Break Testing Section:

- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- 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).

Offline BOPE Testing

Operator has been (**Approved**) to test the BOPE offline.

The BOPE offline testing shall be stationary during pressure testing.

Online BOPE testing should commence within 72 hours of offline BOPE testing completion. Notify the BLM if interval exceeds 72 hours.

Notify the BLM 4hrs prior to offline BOPE testing at **Lea County: 575-689-5981**.

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 **Lea County: 575-689-5981**.

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)

Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **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. Acceptable Method of Cement Verifications:
 - a. Observing cement circulated to surface.
 - b. Cement bond log (CBL).
 - c. Temperature log within 8-10 hours after completing the cement job.
 - d. Echometer (if a second-stage bradenhead squeeze is being used).
5. 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.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. 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.
8. 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.
9. 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) 12/3/2025

8.625 " 32.00 lb/ft (0.352 " wall) J55 GEOCONN®



Metal One
Tubular Connection

Special Clearance Coupling with Special bevel (20°)

Thread Taper 1 / 16 TAPER (0.750 inch per foot) 5 T.P.I.

Special Drift

Created at:

Mon, Sep 29, 2025 13:54:49

CT

| GEOMETRY | Pipe | | Connection | |
|------------------------|---------------|--------------|---------------|--------------|
| | Imperial | SI | Imperial | SI |
| Outside Diameter | 8.625 in. | 219.08 mm | 9.000 in. | 228.60 mm |
| Weight | 32.00 lb/ft | 47.62 kg/m | -- | -- |
| Wall Thickness | 0.352 in. | 8.94 mm | -- | -- |
| Inside Diameter | 7.921 in. | 201.19 mm | 7.921 in. | 201.19 mm |
| Drift Diameter | 7.875 in. | 200.03 mm | 7.875 in. | 200.03 mm |
| Connection Length | -- | -- | 9.775 in. | 248.29 mm |
| Critical Area | 9.149 sq. in. | 5,902 sq. mm | 7.515 sq. in. | 4,848 sq. mm |
| Tension Efficiency | -- | -- | 82 % | 82 % |
| Compression Efficiency | -- | -- | 100 % | 100 % |
| Make-Up Loss | -- | -- | 4.813 in. | 122.24 mm |

| PERFORMANCE | Pipe | | Connection | |
|---------------------------------|---------------|----------------|---------------|----------------|
| | Imperial | SI | Imperial | SI |
| Minimum Yield | 55 ksi | 379 MPa | 55 ksi | 379 MPa |
| Remaining Body Wall (RBW) | 87.5 % | 87.5 % | -- | -- |
| Minimum Body Yield Strength | 503 x 1000 lb | 2,237 x 1000 N | -- | -- |
| Joint Yield Strength | -- | -- | 413 x 1000 lb | 1,839 x 1000 N |
| Compression Strength | -- | -- | 503 x 1000 lb | 2,237 x 1000 N |
| Minimum Internal Yield Pressure | 3,930 psi | 27.0 MPa | 3,930 psi | 27.0 MPa |
| Minimum Collapse Pressure | 2,530 psi | 17.5 MPa | 2,530 psi | 17.5 MPa |
| Maximum Bending Rating | -- | -- | 24 deg/100 ft | 24 deg/30 m |

| TORQUE | Pipe | | Connection | |
|---------------------|----------|----|--------------|------------|
| | Imperial | SI | Imperial | SI |
| Minimum Make-Up | -- | -- | 12,900 ft-lb | 17,500 N-m |
| Optimum Make-Up | -- | -- | 14,200 ft-lb | 19,300 N-m |
| Maximum Make-Up | -- | -- | 15,400 ft-lb | 20,900 N-m |
| Operational Maximum | -- | -- | 21,000 ft-lb | 28,500 N-m |

Notes:

1. Operational Maximum Torque can be applied for high torque application
2. Option of Resilience Ring is available for GEOCONN
3. Interchangeable with API BC

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Connection Data Sheet

| OD (in.) | WEIGHT (lbs./ft.) | WALL (in.) | GRADE | DRIFT (in.) | RBW% | CONNECTION |
|----------|------------------------------------|------------|-------------|-------------|------|---------------|
| 5.500 | Nominal: 20.00 Plain End: 19.83 | 0.361 | VST P110 EC | 4.653 | 87.5 | DWC/C-IS PLUS |

PIPE PROPERTIES

| | | |
|-----------------------|---|--------|
| Nominal OD | 5.500 | in. |
| Nominal ID | 4.778 | in. |
| Nominal Area | 5.828 | sq.in. |
| Grade Type | API 5CT; Vallourec Sourced Material Only | |
| Min. Yield Strength | 125 | ksi |
| Max. Yield Strength | 140 | ksi |
| Min. Tensile Strength | 135 | ksi |
| Yield Strength | 729 | kib |
| Ultimate Strength | 787 | kib |
| Min. Internal Yield | 14,360 | psi |
| *High Collapse* | 12,090 | psi |

CONNECTION PROPERTIES

| | | |
|------------------------------|------------------|---------|
| Connection Type | Semi-Premium T&C | |
| Connection OD (nom) | 6.300 | in. |
| Connection ID (nom) | 4.778 | in. |
| Make-Up Loss | 4.125 | in. |
| Coupling Length | 9.250 | in. |
| Critical Cross Section | 5.828 | 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 | 729 | kib |
| Parting Load | 787 | kib |
| Compression Rating | 729 | kib |
| Min. Internal Yield | 14,360 | psi |
| *High Collapse* | 12,090 | psi |
| Maximum Uniaxial Bend Rating | 104.2 | °/100 ft |
| Ref String Length w 1.4 Design Factor | 26,040 | ft |

FIELD TORQUE VALUES

| | | |
|--------------------------------|--------|--------|
| Min. Make-up Torque | 16,600 | ft.lbs |
| Opti. Make-up Torque | 17,850 | ft.lbs |
| Max. Make-up Torque | 19,100 | ft.lbs |
| Min. Shoulder Torque | 1,660 | ft.lbs |
| Max. Shoulder Torque | 13,280 | ft.lbs |
| Max. Delta Turn | 0.200 | Turns |
| †Max Operational Torque | 24,300 | ft.lbs |
| †Maximum Torsional Value (MTV) | 26,730 | ft.lbs |

*Maximum Operational Torque and Maximum Torsional Value Only Valid with Vallourec P110EC Material

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.

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Tech Support E-mail: tech.support@vam-usa.com

DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. 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.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. 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.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. 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.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. 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 application.

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

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 |
| BTC | 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.

VAN DOO DAH 28-33 FED COM 530H

1. Geologic Formations

| | | | |
|---------------|-------|------------------------------|-----|
| TVD of target | 9239 | Pilot hole depth | N/A |
| MD at TD: | 19400 | Deepest expected fresh water | |

Basin

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

VAN DOO DAH 28-33 FED COM 530H

2. Casing Program

| Hole Size | Csg. Size | Wt (PPF) | Grade | Conn | Casing Interval | | Casing Interval | |
|-----------|-----------|----------|-------|-------------|-----------------|---------|-----------------|----------|
| | | | | | From (MD) | To (MD) | From (TVD) | To (TVD) |
| 17 1/2 | 13 3/8 | 54 1/2 | J-55 | BTC | 0 | 829 | 0 | 829 |
| 9 7/8 | 8 5/8 | 32 | J-55 | GEOCONN | 0 | 4464 | 0 | 4464 |
| 7 7/8 | 5 1/2 | 20 | P110 | DWC / C-IS+ | 0 | 19400 | 0 | 9239 |

- All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.

3. Cementing Program (3-String Primary Design)

| Casing | # Skts | TOC | Wt. (lb/gal) | Yld (ft ³ /sack) | Slurry Description |
|----------------------------------|--------|------|--------------|-----------------------------|--|
| Surface | 638 | Surf | 13.2 | 1.4 | Lead: Class C Cement + additives |
| Int 1 | 278 | Surf | 9.0 | 3.3 | Lead: Class C Cement + additives |
| | 67 | 3964 | 13.2 | 1.4 | Tail: Class H / C + additives |
| Int 1 Intermediate Squeeze | 631 | Surf | 9.0 | 3.3 | Squeeze Lead: Class C Cement + additives |
| | 278 | Surf | 9.0 | 3.3 | Lead: Class C Cement + additives |
| | 67 | 3964 | 13.2 | 1.4 | Tail: Class H / C + additives |
| | 269 | 3964 | 9.0 | 3.3 | Lead: Class H / C + additives |
| Production | 1432 | 8582 | 13.2 | 1.4 | Tail: Class H / C + additives |

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.

| Casing String | % Excess |
|---------------|----------|
| Surface | 50% |
| Intermediate | 30% |
| Production | 10% |

VAN DOO DAH 28-33 FED COM 530H

4. Pressure Control Equipment (Three String Design)

| BOP installed and tested before drilling which hole? | Size? | Min. Required WP | Type | ✓ | Tested to: |
|--|---------|------------------|--------------|---|-------------------------------|
| Int 1 | 13-5/8" | 5M | Annular | X | 50% of rated working pressure |
| | | | Blind Ram | X | 5M |
| | | | Pipe Ram | | |
| | | | Double Ram | X | |
| | | | Other* | | |
| Production | 13-5/8" | 5M | Annular | X | 50% of rated working pressure |
| | | | Blind Ram | X | 5M |
| | | | Pipe Ram | | |
| | | | Double Ram | X | |
| | | | Other* | | |
| | | | Annular (5M) | | |
| | | | Blind Ram | | |
| | | | Pipe Ram | | |
| | | | Double Ram | | |
| | | | Other* | | |

VAN DOO DAH 28-33 FED COM 530H

5. Mud Program (Three String Design)

| Section | Type | Weight (ppg) |
|--------------|--------|--------------|
| Surface | FW Gel | 8.5-9 |
| Intermediate | Brine | 10-10.5 |
| Production | WBM | 8.5-9 |

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

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

6. Logging and Testing Procedures**Logging, Coring and Testing**

| | |
|---|---|
| X | Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |
| | 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 | |
| Density | |
| X CBL | Production casing |
| Mud log | KOP to TD |
| PEX | |

7. Drilling Conditions

| Condition | Specify what type and where? |
|----------------------------|------------------------------|
| BH pressure at deepest TVD | 4324 |
| Abnormal temperature | No |

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

| | |
|--|--------------------|
| Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR 3176. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM. | |
| N | H2S is present |
| Y | H2S plan attached. |

VAN DOO DAH 28-33 FED COM 530H

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 (43 CFR 3172, 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 pad.
- 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. At 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

Directional Plan
 Other, describe

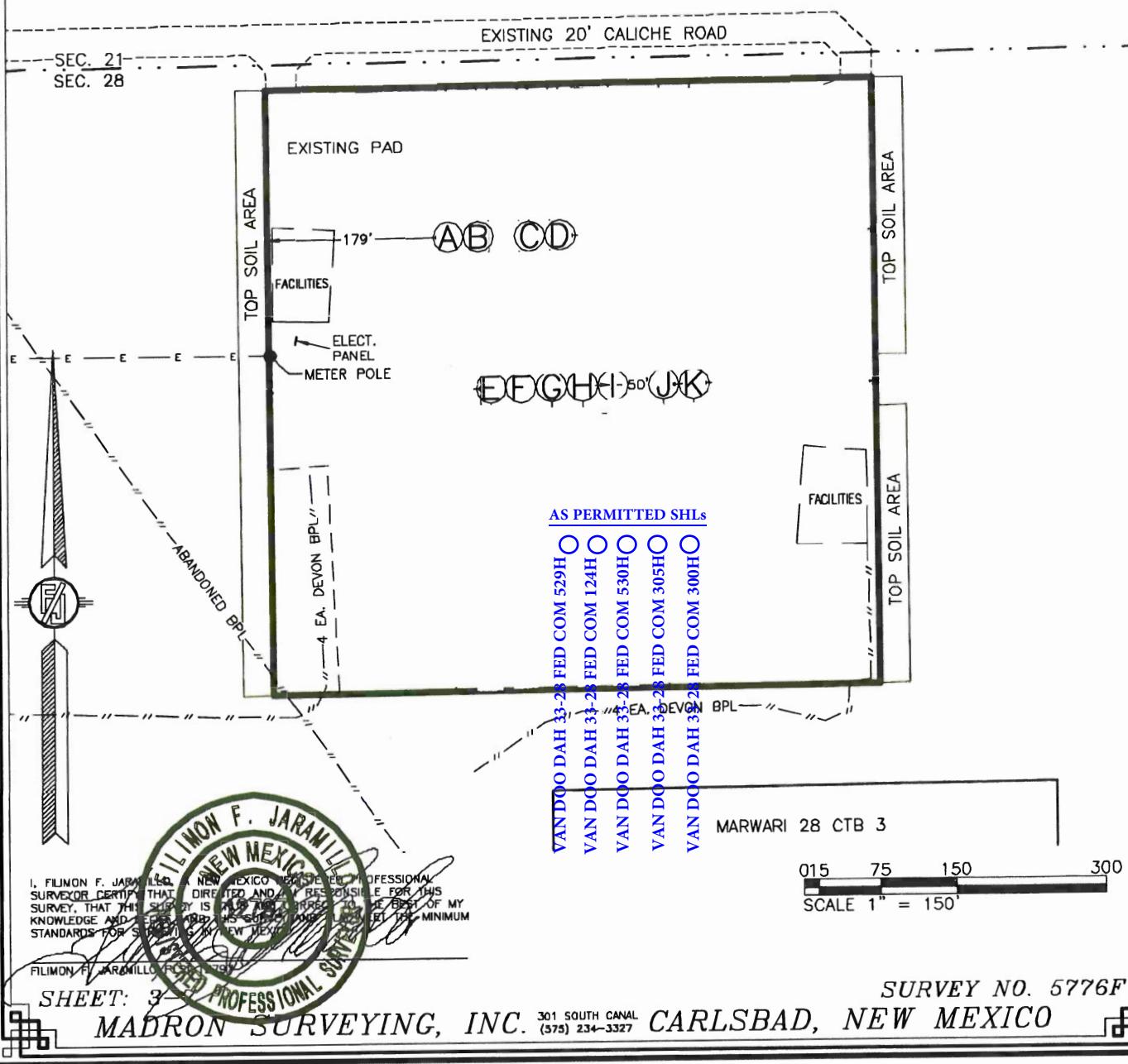
MARWARI 28 WELL PAD 3 (AA000157536)
DEVON ENERGY PRODUCTION COMPANY, L.P.
IN THE NE/4 NE/4 OF
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SEPTEMBER 4, 2025

SITE MAP

PROPOSED SHL LOCATIONS

- (A) EXISTING MARWARI 21-16
FED STATE COM 237H
- (B) EXISTING MARWARI 21-16
STATE FED COM 238H
- (C) COTTON DRAW
UNIT 653H
- (D) COTTON DRAW
UNIT 654H

| | |
|---|-----------------|
| (E) VAN D00 DAH 33-28 | (J) COTTON DRAW |
| FED COM 124H | UNIT 647H |
| (F) VAN D00 DAH 33-28 | (K) COTTON DRAW |
| FED COM 529H | UNIT 648H |
| (G) VAN D00 DAH 33-28 | |
| FED COM 530H | |
| (H) VAN D00 DAH 33-28 | |
| FED COM 125H FKA VAN D00 DAH 33-28 FED COM 305H | |
| (I) VAN D00 DAH 33-28 | |
| FED COM 513H FKA VAN D00 DAH 33-28 FED COM 300H | |



I, FILION F. JARVILLE, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR, CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS AND IS DEDICATED TO THE BEST OF MY KNOWLEDGE AND REASONABLE ABILITY TO CONFORM AND MEET THE MINIMUM STANDARDS FOR SURVEYS IN NEW MEXICO.

Fig. 1. A portion of a *Leucaspis* colony.

SHEET: 2 OF 2 PROVISIONAL

SHEET: 37 PROFESSIONAL

**MADRONE SURVEYING, INC. 301 SOUTH CANAL
(375) 234-3327 CARLSBAD, NEW MEXICO**

301 SOUTH CANAL
(575) 234-3327

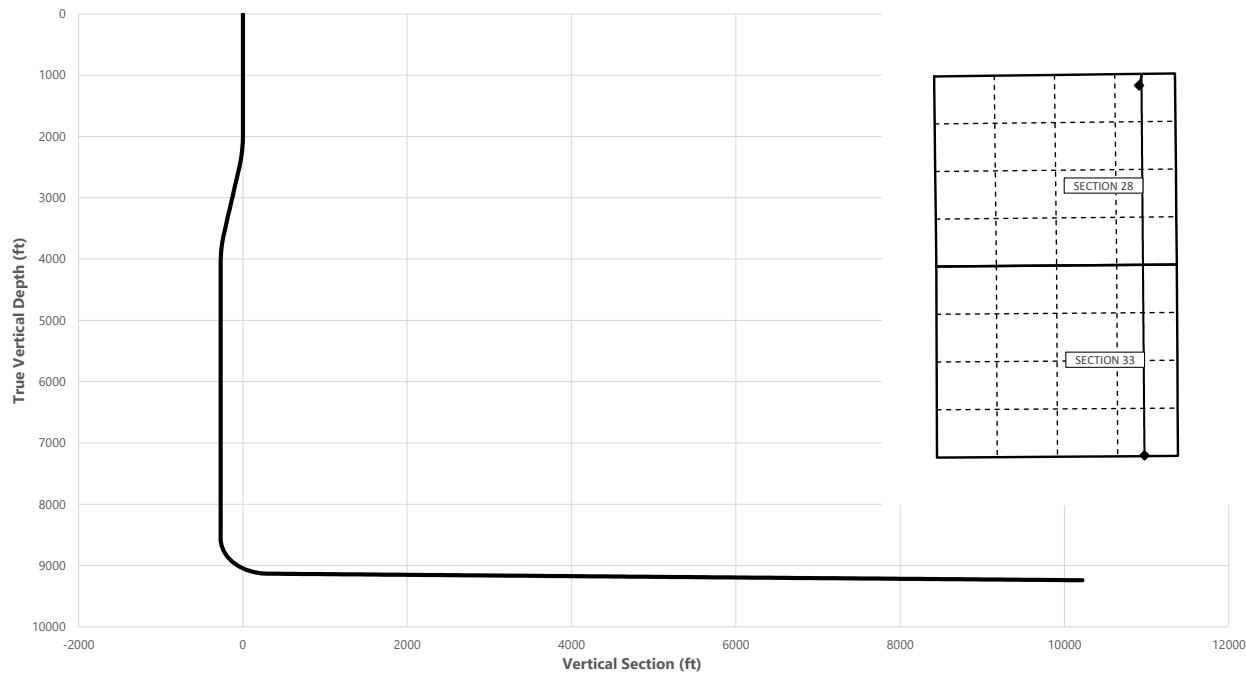
SURVEY NO. 5776F



Well: VAN DOO DAH 28-33 FED COM 530H
 County: Lea
 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)

| MD (ft) | INC ($^{\circ}$) | AZI ($^{\circ}$) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS ($^{\circ}$ /100ft) | Comment |
|------------|-----------------------|-----------------------|-------------|------------|------------|------------|-----------------------------|------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | SHL |
| 2000.00 | 0.00 | 10.95 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Tangent |
| 2500.00 | 10.00 | 10.95 | 2497.47 | 42.73 | 8.27 | -42.63 | 2.00 | Hold Tangent |
| 3593.73 | 10.00 | 10.95 | 3574.58 | 229.20 | 44.34 | -228.66 | 0.00 | Drop to Vertical |
| 4093.73 | 0.00 | 10.95 | 4072.04 | 271.93 | 52.61 | -271.29 | 2.00 | Hold Vertical |
| 8581.76 | 0.00 | 179.63 | 8560.08 | 271.93 | 52.61 | -271.29 | 0.00 | KOP |
| 9475.58 | 89.38 | 179.63 | 9133.00 | -294.84 | 56.23 | 295.48 | 10.00 | Landing Point |
| 19399.52 | 89.38 | 179.63 | 9240.00 | -10218.00 | 119.54 | 10218.70 | 0.00 | BHL |



| Key Depths | MD (ft) | TVD (ft) |
|-------------------------------|------------|-------------|
| Rustler | 759.00 | 759.00 |
| Salt | 1135.00 | 1135.00 |
| Base of Salt | 4385.69 | 4364.00 |
| Delaware | 4611.69 | 4590.00 |
| Cherry Canyon | 5531.69 | 5510.00 |
| Brushy Canyon | 6923.69 | 6902.00 |
| Avalon / Point of Penetration | 8631.75 | 8610.00 |
| exit | 19319.52 | 9239.15 |

| | MD (ft) | TVD (ft) | Lat ($^{\circ}$) | Long ($^{\circ}$) | Section Footages |
|-----------------------------|------------|-------------|-----------------------|------------------------|--|
| SHL | 0.00 | 0.00 | 32.1077 | -103.6741 | 325' FNL, 795' FEL of Sec 28 in T25S, R32E |
| KOP | 8581.76 | 8560.08 | 32.1085 | -103.6738 | 50' FNL, 740' FEL of Sec 28 in T25S, R32E |
| Point of Penetration | 8631.75 | 8610.00 | 32.1084 | -103.6739 | 100' FNL, 740' FEL of Sec 28 in T25S, R32E |
| Exit | 19319.52 | 9239.15 | 32.0799 | -103.6739 | 100' FSL, 740' FEL of Sec 33 in T25S, R32E |
| BHL | 19399.52 | 9240.00 | 32.0796 | -103.6740 | 20' FSL, 740' FEL of Sec 33 in T25S, R32E |

| | Y | X | MD |
|------------|--------|--------|---------|
| KOP | 403851 | 745519 | 8581.76 |



Well: VAN DOO DAH 28-33 FED COM 530H
County: Lea
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)

| MD (ft) | INC (°) | AZI (°) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS (°/100ft) | Comment |
|------------|------------|------------|-------------|------------|------------|------------|------------------|------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | SHL |
| 100.00 | 0.00 | 10.95 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 10.95 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 10.95 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400.00 | 0.00 | 10.95 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.00 | 0.00 | 10.95 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.00 | 0.00 | 10.95 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 700.00 | 0.00 | 10.95 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 759.00 | 0.00 | 10.95 | 759.00 | 0.00 | 0.00 | 0.00 | 0.00 | Rustler |
| 800.00 | 0.00 | 10.95 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 900.00 | 0.00 | 10.95 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1000.00 | 0.00 | 10.95 | 1000.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1100.00 | 0.00 | 10.95 | 1100.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1135.00 | 0.00 | 10.95 | 1135.00 | 0.00 | 0.00 | 0.00 | 0.00 | Salt |
| 1200.00 | 0.00 | 10.95 | 1200.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1300.00 | 0.00 | 10.95 | 1300.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1400.00 | 0.00 | 10.95 | 1400.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1500.00 | 0.00 | 10.95 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1600.00 | 0.00 | 10.95 | 1600.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1700.00 | 0.00 | 10.95 | 1700.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1800.00 | 0.00 | 10.95 | 1800.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1900.00 | 0.00 | 10.95 | 1900.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2000.00 | 0.00 | 10.95 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Tangent |
| 2100.00 | 2.00 | 10.95 | 2099.98 | 1.71 | 0.33 | -1.71 | 2.00 | |
| 2200.00 | 4.00 | 10.95 | 2199.84 | 6.85 | 1.33 | -6.84 | 2.00 | |
| 2300.00 | 6.00 | 10.95 | 2299.45 | 15.41 | 2.98 | -15.37 | 2.00 | |
| 2400.00 | 8.00 | 10.95 | 2398.70 | 27.37 | 5.30 | -27.31 | 2.00 | |
| 2500.00 | 10.00 | 10.95 | 2497.47 | 42.73 | 8.27 | -42.63 | 2.00 | Hold Tangent |
| 2600.00 | 10.00 | 10.95 | 2595.95 | 59.78 | 11.57 | -59.64 | 0.00 | |
| 2700.00 | 10.00 | 10.95 | 2694.43 | 76.83 | 14.86 | -76.65 | 0.00 | |
| 2800.00 | 10.00 | 10.95 | 2792.91 | 93.88 | 18.16 | -93.66 | 0.00 | |
| 2900.00 | 10.00 | 10.95 | 2891.39 | 110.92 | 21.46 | -110.67 | 0.00 | |
| 3000.00 | 10.00 | 10.95 | 2989.87 | 127.97 | 24.76 | -127.67 | 0.00 | |
| 3100.00 | 10.00 | 10.95 | 3088.35 | 145.02 | 28.06 | -144.68 | 0.00 | |
| 3200.00 | 10.00 | 10.95 | 3186.83 | 162.07 | 31.36 | -161.69 | 0.00 | |
| 3300.00 | 10.00 | 10.95 | 3285.31 | 179.12 | 34.66 | -178.70 | 0.00 | |
| 3400.00 | 10.00 | 10.95 | 3383.79 | 196.17 | 37.95 | -195.71 | 0.00 | |
| 3500.00 | 10.00 | 10.95 | 3482.27 | 213.22 | 41.25 | -212.72 | 0.00 | |
| 3593.73 | 10.00 | 10.95 | 3574.58 | 229.20 | 44.34 | -228.66 | 0.00 | Drop to Vertical |
| 3600.00 | 9.87 | 10.95 | 3580.76 | 230.26 | 44.55 | -229.72 | 2.00 | |
| 3700.00 | 7.87 | 10.95 | 3679.55 | 245.40 | 47.48 | -244.83 | 2.00 | |
| 3800.00 | 5.87 | 10.95 | 3778.83 | 257.16 | 49.75 | -256.56 | 2.00 | |
| 3900.00 | 3.87 | 10.95 | 3878.46 | 265.50 | 51.37 | -264.88 | 2.00 | |
| 4000.00 | 1.87 | 10.95 | 3978.33 | 270.42 | 52.32 | -269.79 | 2.00 | |
| 4093.73 | 0.00 | 10.95 | 4072.04 | 271.93 | 52.61 | -271.29 | 2.00 | Hold Vertical |
| 4100.00 | 0.00 | 179.63 | 4078.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4200.00 | 0.00 | 179.63 | 4178.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4300.00 | 0.00 | 179.63 | 4278.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4385.69 | 0.00 | 179.63 | 4364.00 | 271.93 | 52.61 | -271.29 | 0.00 | Base of Salt |
| 4400.00 | 0.00 | 179.63 | 4378.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4500.00 | 0.00 | 179.63 | 4478.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4600.00 | 0.00 | 179.63 | 4578.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4611.69 | 0.00 | 179.63 | 4590.00 | 271.93 | 52.61 | -271.29 | 0.00 | Delaware |
| 4700.00 | 0.00 | 179.63 | 4678.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4800.00 | 0.00 | 179.63 | 4778.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 4900.00 | 0.00 | 179.63 | 4878.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5000.00 | 0.00 | 179.63 | 4978.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5100.00 | 0.00 | 179.63 | 5078.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5200.00 | 0.00 | 179.63 | 5178.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5300.00 | 0.00 | 179.63 | 5278.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5400.00 | 0.00 | 179.63 | 5378.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5500.00 | 0.00 | 179.63 | 5478.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5531.69 | 0.00 | 179.63 | 5510.00 | 271.93 | 52.61 | -271.29 | 0.00 | Cherry Canyon |
| 5600.00 | 0.00 | 179.63 | 5578.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5700.00 | 0.00 | 179.63 | 5678.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5800.00 | 0.00 | 179.63 | 5778.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 5900.00 | 0.00 | 179.63 | 5878.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6000.00 | 0.00 | 179.63 | 5978.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6100.00 | 0.00 | 179.63 | 6078.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6200.00 | 0.00 | 179.63 | 6178.31 | 271.93 | 52.61 | -271.29 | 0.00 | |



Well: VAN DOO DAH 28-33 FED COM 530H
 County: Lea
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Geodetic System: US State Plane 1983
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 Zone: 3001 - NM East (NAD83)

| MD (ft) | INC (°) | AZI (°) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS (°/100ft) | Comment |
|------------|------------|------------|-------------|------------|------------|------------|------------------|-------------------------------|
| 6300.00 | 0.00 | 179.63 | 6278.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6400.00 | 0.00 | 179.63 | 6378.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6500.00 | 0.00 | 179.63 | 6478.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6600.00 | 0.00 | 179.63 | 6578.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6700.00 | 0.00 | 179.63 | 6678.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6800.00 | 0.00 | 179.63 | 6778.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6900.00 | 0.00 | 179.63 | 6878.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 6923.69 | 0.00 | 179.63 | 6902.00 | 271.93 | 52.61 | -271.29 | 0.00 | Brushy Canyon |
| 7000.00 | 0.00 | 179.63 | 6978.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7100.00 | 0.00 | 179.63 | 7078.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7200.00 | 0.00 | 179.63 | 7178.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7300.00 | 0.00 | 179.63 | 7278.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7400.00 | 0.00 | 179.63 | 7378.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7500.00 | 0.00 | 179.63 | 7478.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7600.00 | 0.00 | 179.63 | 7578.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7700.00 | 0.00 | 179.63 | 7678.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7800.00 | 0.00 | 179.63 | 7778.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 7900.00 | 0.00 | 179.63 | 7878.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8000.00 | 0.00 | 179.63 | 7978.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8100.00 | 0.00 | 179.63 | 8078.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8200.00 | 0.00 | 179.63 | 8178.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8300.00 | 0.00 | 179.63 | 8278.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8400.00 | 0.00 | 179.63 | 8378.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8500.00 | 0.00 | 179.63 | 8478.31 | 271.93 | 52.61 | -271.29 | 0.00 | |
| 8581.76 | 0.00 | 179.63 | 8560.08 | 271.93 | 52.61 | -271.29 | 0.00 | KOP |
| 8600.00 | 1.82 | 179.63 | 8578.31 | 271.64 | 52.61 | -271.00 | 10.00 | |
| 8631.75 | 5.00 | 179.63 | 8610.00 | 269.75 | 52.62 | -269.11 | 10.00 | Avalon / Point of Penetration |
| 8700.00 | 11.82 | 179.63 | 8677.48 | 259.77 | 52.69 | -259.14 | 10.00 | |
| 8800.00 | 21.82 | 179.63 | 8773.08 | 230.86 | 52.87 | -230.23 | 10.00 | |
| 8900.00 | 31.82 | 179.63 | 8862.20 | 185.80 | 53.16 | -185.16 | 10.00 | |
| 9000.00 | 41.82 | 179.63 | 8942.15 | 125.94 | 53.54 | -125.30 | 10.00 | |
| 9100.00 | 51.82 | 179.63 | 9010.49 | 53.11 | 54.01 | -52.47 | 10.00 | |
| 9200.00 | 61.82 | 179.63 | 9065.14 | -30.48 | 54.54 | 31.12 | 10.00 | |
| 9300.00 | 71.82 | 179.63 | 9104.44 | -122.30 | 55.13 | 122.93 | 10.00 | |
| 9400.00 | 81.82 | 179.63 | 9127.21 | -219.54 | 55.75 | 220.17 | 10.00 | |
| 9475.58 | 89.38 | 179.63 | 9133.00 | -294.84 | 56.23 | 295.48 | 10.00 | Landing Point |
| 9500.00 | 89.38 | 179.63 | 9133.26 | -319.26 | 56.38 | 319.89 | 0.00 | |
| 9600.00 | 89.38 | 179.63 | 9134.34 | -419.25 | 57.02 | 419.89 | 0.00 | |
| 9700.00 | 89.38 | 179.63 | 9135.42 | -519.24 | 57.66 | 519.88 | 0.00 | |
| 9800.00 | 89.38 | 179.63 | 9136.50 | -619.23 | 58.30 | 619.87 | 0.00 | |
| 9900.00 | 89.38 | 179.63 | 9137.58 | -719.23 | 58.94 | 719.87 | 0.00 | |
| 10000.00 | 89.38 | 179.63 | 9138.66 | -819.22 | 59.57 | 819.86 | 0.00 | |
| 10100.00 | 89.38 | 179.63 | 9139.73 | -919.21 | 60.21 | 919.85 | 0.00 | |
| 10200.00 | 89.38 | 179.63 | 9140.81 | -1019.20 | 60.85 | 1019.84 | 0.00 | |
| 10300.00 | 89.38 | 179.63 | 9141.89 | -1119.19 | 61.49 | 1119.84 | 0.00 | |
| 10400.00 | 89.38 | 179.63 | 9142.97 | -1219.19 | 62.13 | 1219.83 | 0.00 | |
| 10500.00 | 89.38 | 179.63 | 9144.05 | -1319.18 | 62.77 | 1319.82 | 0.00 | |
| 10600.00 | 89.38 | 179.63 | 9145.13 | -1419.17 | 63.40 | 1419.82 | 0.00 | |
| 10700.00 | 89.38 | 179.63 | 9146.20 | -1519.16 | 64.04 | 1519.81 | 0.00 | |
| 10800.00 | 89.38 | 179.63 | 9147.28 | -1619.15 | 64.68 | 1619.80 | 0.00 | |
| 10900.00 | 89.38 | 179.63 | 9148.36 | -1719.15 | 65.32 | 1719.79 | 0.00 | |
| 11000.00 | 89.38 | 179.63 | 9149.44 | -1819.14 | 65.96 | 1819.79 | 0.00 | |
| 11100.00 | 89.38 | 179.63 | 9150.52 | -1919.13 | 66.59 | 1919.78 | 0.00 | |
| 11200.00 | 89.38 | 179.63 | 9151.60 | -2019.12 | 67.23 | 2019.77 | 0.00 | |
| 11300.00 | 89.38 | 179.63 | 9152.67 | -2119.12 | 67.87 | 2119.76 | 0.00 | |
| 11400.00 | 89.38 | 179.63 | 9153.75 | -2219.11 | 68.51 | 2219.76 | 0.00 | |
| 11500.00 | 89.38 | 179.63 | 9154.83 | -2319.10 | 69.15 | 2319.75 | 0.00 | |
| 11600.00 | 89.38 | 179.63 | 9155.91 | -2419.09 | 69.79 | 2419.74 | 0.00 | |
| 11700.00 | 89.38 | 179.63 | 9156.99 | -2519.08 | 70.42 | 2519.74 | 0.00 | |
| 11800.00 | 89.38 | 179.63 | 9158.07 | -2619.08 | 71.06 | 2619.73 | 0.00 | |
| 11900.00 | 89.38 | 179.63 | 9159.14 | -2719.07 | 71.70 | 2719.72 | 0.00 | |
| 12000.00 | 89.38 | 179.63 | 9160.22 | -2819.06 | 72.34 | 2819.71 | 0.00 | |
| 12100.00 | 89.38 | 179.63 | 9161.30 | -2919.05 | 72.98 | 2919.71 | 0.00 | |
| 12200.00 | 89.38 | 179.63 | 9162.38 | -3019.04 | 73.62 | 3019.70 | 0.00 | |
| 12300.00 | 89.38 | 179.63 | 9163.46 | -3119.04 | 74.25 | 3119.69 | 0.00 | |
| 12400.00 | 89.38 | 179.63 | 9164.54 | -3219.03 | 74.89 | 3219.69 | 0.00 | |
| 12500.00 | 89.38 | 179.63 | 9165.61 | -3319.02 | 75.53 | 3319.68 | 0.00 | |
| 12600.00 | 89.38 | 179.63 | 9166.69 | -3419.01 | 76.17 | 3419.67 | 0.00 | |
| 12700.00 | 89.38 | 179.63 | 9167.77 | -3519.01 | 76.81 | 3519.66 | 0.00 | |
| 12800.00 | 89.38 | 179.63 | 9168.85 | -3619.00 | 77.45 | 3619.66 | 0.00 | |



Well: VAN DOO DAH 28-33 FED COM 530H
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Zone: 3001 - NM East (NAD83)

| MD (ft) | INC (°) | AZI (°) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS (°/100ft) | Comment |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------|
| 12900.00 | 89.38 | 179.63 | 9169.93 | -3718.99 | 78.08 | 3719.65 | 0.00 | |
| 13000.00 | 89.38 | 179.63 | 9171.01 | -3818.98 | 78.72 | 3819.64 | 0.00 | |
| 13100.00 | 89.38 | 179.63 | 9172.08 | -3918.97 | 79.36 | 3919.63 | 0.00 | |
| 13200.00 | 89.38 | 179.63 | 9173.16 | -4018.97 | 80.00 | 4019.63 | 0.00 | |
| 13300.00 | 89.38 | 179.63 | 9174.24 | -4118.96 | 80.64 | 4119.62 | 0.00 | |
| 13400.00 | 89.38 | 179.63 | 9175.32 | -4218.95 | 81.27 | 4219.61 | 0.00 | |
| 13500.00 | 89.38 | 179.63 | 9176.40 | -4318.94 | 81.91 | 4319.61 | 0.00 | |
| 13600.00 | 89.38 | 179.63 | 9177.48 | -4418.93 | 82.55 | 4419.60 | 0.00 | |
| 13700.00 | 89.38 | 179.63 | 9178.55 | -4518.93 | 83.19 | 4519.59 | 0.00 | |
| 13800.00 | 89.38 | 179.63 | 9179.63 | -4618.92 | 83.83 | 4619.58 | 0.00 | |
| 13900.00 | 89.38 | 179.63 | 9180.71 | -4718.91 | 84.47 | 4719.58 | 0.00 | |
| 14000.00 | 89.38 | 179.63 | 9181.79 | -4818.90 | 85.10 | 4819.57 | 0.00 | |
| 14100.00 | 89.38 | 179.63 | 9182.87 | -4918.90 | 85.74 | 4919.56 | 0.00 | |
| 14200.00 | 89.38 | 179.63 | 9183.95 | -5018.89 | 86.38 | 5019.55 | 0.00 | |
| 14300.00 | 89.38 | 179.63 | 9185.02 | -5118.88 | 87.02 | 5119.55 | 0.00 | |
| 14400.00 | 89.38 | 179.63 | 9186.10 | -5218.87 | 87.66 | 5219.54 | 0.00 | |
| 14500.00 | 89.38 | 179.63 | 9187.18 | -5318.86 | 88.30 | 5319.53 | 0.00 | |
| 14600.00 | 89.38 | 179.63 | 9188.26 | -5418.86 | 88.93 | 5419.53 | 0.00 | |
| 14700.00 | 89.38 | 179.63 | 9189.34 | -5518.85 | 89.57 | 5519.52 | 0.00 | |
| 14800.00 | 89.38 | 179.63 | 9190.42 | -5618.84 | 90.21 | 5619.51 | 0.00 | |
| 14900.00 | 89.38 | 179.63 | 9191.49 | -5718.83 | 90.85 | 5719.50 | 0.00 | |
| 15000.00 | 89.38 | 179.63 | 9192.57 | -5818.83 | 91.49 | 5819.50 | 0.00 | |
| 15100.00 | 89.38 | 179.63 | 9193.65 | -5918.82 | 92.12 | 5919.49 | 0.00 | |
| 15200.00 | 89.38 | 179.63 | 9194.73 | -6018.81 | 92.76 | 6019.48 | 0.00 | |
| 15300.00 | 89.38 | 179.63 | 9195.81 | -6118.80 | 93.40 | 6119.48 | 0.00 | |
| 15400.00 | 89.38 | 179.63 | 9196.89 | -6218.79 | 94.04 | 6219.47 | 0.00 | |
| 15500.00 | 89.38 | 179.63 | 9197.96 | -6318.79 | 94.68 | 6319.46 | 0.00 | |
| 15600.00 | 89.38 | 179.63 | 9199.04 | -6418.78 | 95.32 | 6419.45 | 0.00 | |
| 15700.00 | 89.38 | 179.63 | 9200.12 | -6518.77 | 95.95 | 6519.45 | 0.00 | |
| 15800.00 | 89.38 | 179.63 | 9201.20 | -6618.76 | 96.59 | 6619.44 | 0.00 | |
| 15900.00 | 89.38 | 179.63 | 9202.28 | -6718.75 | 97.23 | 6719.43 | 0.00 | |
| 16000.00 | 89.38 | 179.63 | 9203.36 | -6818.75 | 97.87 | 6819.42 | 0.00 | |
| 16100.00 | 89.38 | 179.63 | 9204.43 | -6918.74 | 98.51 | 6919.42 | 0.00 | |
| 16200.00 | 89.38 | 179.63 | 9205.51 | -7018.73 | 99.15 | 7019.41 | 0.00 | |
| 16300.00 | 89.38 | 179.63 | 9206.59 | -7118.72 | 99.78 | 7119.40 | 0.00 | |
| 16400.00 | 89.38 | 179.63 | 9207.67 | -7218.72 | 100.42 | 7219.40 | 0.00 | |
| 16500.00 | 89.38 | 179.63 | 9208.75 | -7318.71 | 101.06 | 7319.39 | 0.00 | |
| 16600.00 | 89.38 | 179.63 | 9209.83 | -7418.70 | 101.70 | 7419.38 | 0.00 | |
| 16700.00 | 89.38 | 179.63 | 9210.90 | -7518.69 | 102.34 | 7519.37 | 0.00 | |
| 16800.00 | 89.38 | 179.63 | 9211.98 | -7618.68 | 102.97 | 7619.37 | 0.00 | |
| 16900.00 | 89.38 | 179.63 | 9213.06 | -7718.68 | 103.61 | 7719.36 | 0.00 | |
| 17000.00 | 89.38 | 179.63 | 9214.14 | -7818.67 | 104.25 | 7819.35 | 0.00 | |
| 17100.00 | 89.38 | 179.63 | 9215.22 | -7918.66 | 104.89 | 7919.35 | 0.00 | |
| 17200.00 | 89.38 | 179.63 | 9216.30 | -8018.65 | 105.53 | 8019.34 | 0.00 | |
| 17300.00 | 89.38 | 179.63 | 9217.37 | -8118.64 | 106.17 | 8119.33 | 0.00 | |
| 17400.00 | 89.38 | 179.63 | 9218.45 | -8218.64 | 106.80 | 8219.32 | 0.00 | |
| 17500.00 | 89.38 | 179.63 | 9219.53 | -8318.63 | 107.44 | 8319.32 | 0.00 | |
| 17600.00 | 89.38 | 179.63 | 9220.61 | -8418.62 | 108.08 | 8419.31 | 0.00 | |
| 17700.00 | 89.38 | 179.63 | 9221.69 | -8518.61 | 108.72 | 8519.30 | 0.00 | |
| 17800.00 | 89.38 | 179.63 | 9222.77 | -8618.61 | 109.36 | 8619.29 | 0.00 | |
| 17900.00 | 89.38 | 179.63 | 9223.84 | -8718.60 | 110.00 | 8719.29 | 0.00 | |
| 18000.00 | 89.38 | 179.63 | 9224.92 | -8818.59 | 110.63 | 8819.28 | 0.00 | |
| 18100.00 | 89.38 | 179.63 | 9226.00 | -8918.58 | 111.27 | 8919.27 | 0.00 | |
| 18200.00 | 89.38 | 179.63 | 9227.08 | -9018.57 | 111.91 | 9019.27 | 0.00 | |
| 18300.00 | 89.38 | 179.63 | 9228.16 | -9118.57 | 112.55 | 9119.26 | 0.00 | |
| 18400.00 | 89.38 | 179.63 | 9229.24 | -9218.56 | 113.19 | 9219.25 | 0.00 | |
| 18500.00 | 89.38 | 179.63 | 9230.31 | -9318.55 | 113.83 | 9319.24 | 0.00 | |
| 18600.00 | 89.38 | 179.63 | 9231.39 | -9418.54 | 114.46 | 9419.24 | 0.00 | |
| 18700.00 | 89.38 | 179.63 | 9232.47 | -9518.53 | 115.10 | 9519.23 | 0.00 | |
| 18800.00 | 89.38 | 179.63 | 9233.55 | -9618.53 | 115.74 | 9619.22 | 0.00 | |
| 18900.00 | 89.38 | 179.63 | 9234.63 | -9718.52 | 116.38 | 9719.22 | 0.00 | |
| 19000.00 | 89.38 | 179.63 | 9235.71 | -9818.51 | 117.02 | 9819.21 | 0.00 | |
| 19100.00 | 89.38 | 179.63 | 9236.78 | -9918.50 | 117.65 | 9919.20 | 0.00 | |
| 19200.00 | 89.38 | 179.63 | 9237.86 | -10018.50 | 118.29 | 10019.19 | 0.00 | |
| 19300.00 | 89.38 | 179.63 | 9238.94 | -10118.49 | 118.93 | 10119.19 | 0.00 | |
| 19319.52 | 89.38 | 179.63 | 9239.15 | -10138.01 | 119.06 | 10138.71 | 0.00 | exit |
| 19399.52 | 89.38 | 179.63 | 9240.00 | -10218.00 | 119.54 | 10218.70 | 0.00 | BHL |

C-102

Submit Electronically
Via OCD PermittingState of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

| | |
|-----------------|---|
| Submittal Type: | <input checked="" type="checkbox"/> Initial Submittal |
| | <input type="checkbox"/> Amended Report |
| | <input type="checkbox"/> As Drilled |

WELL LOCATION INFORMATION

| | | |
|--|--|--|
| API Number 30-025-54981 | Pool Code 97838 | Pool Name JENNINGS; BONE SPRING UPPER SHALE |
| Property Code 331685 | Property Name VAN DOO DAH 33-28 FED COM | Well Number 530H |
| OGRID No. 6137 | Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P. | Ground Level Elevation 3384.0 |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

| | | | | | | | | | |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|
| UL A | Section 28 | Township 25 S | Range 32 E | Lot | Ft. from N/S 325 NORTH | Ft. from E/W 795 EAST | Latitude 32.1078017°N | Longitude 103.6740626°W | County LEA |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|

Bottom Hole Location

| | | | | | | | | | |
|------|------------|---------------|------------|-----|-----------------------|-----------------------|-----------------------|-------------------------|------------|
| UL P | Section 33 | Township 25 S | Range 32 E | Lot | Ft. from N/S 20 SOUTH | Ft. from E/W 740 EAST | Latitude 32.0797126°N | Longitude 103.6738784°W | County LEA |
|------|------------|---------------|------------|-----|-----------------------|-----------------------|-----------------------|-------------------------|------------|

| | | | | |
|---------------------------|-----------------------------------|---|---|-------------------------|
| Dedicated Acres 640.00 | Infill or Defining Well INFILL | Defining Well API 30-025-54979 | Overlapping Spacing Unit (Y/N) <input checked="" type="checkbox"/> Y | Consolidation Code C |
| Order Numbers. N/A | | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |

Kick Off Point (KOP)

| | | | | | | | | | |
|------|------------|---------------|------------|-----|-----------------------|-----------------------|-----------------------|-------------------------|------------|
| UL A | Section 28 | Township 25 S | Range 32 E | Lot | Ft. from N/S 50 NORTH | Ft. from E/W 740 EAST | Latitude 32.1085582°N | Longitude 103.6738872°W | County LEA |
|------|------------|---------------|------------|-----|-----------------------|-----------------------|-----------------------|-------------------------|------------|

First Take Point (FTP)

| | | | | | | | | | |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|
| UL A | Section 28 | Township 25 S | Range 32 E | Lot | Ft. from N/S 100 NORTH | Ft. from E/W 740 EAST | Latitude 32.1084208°N | Longitude 103.6738868°W | County LEA |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|

Last Take Point (LTP)

| | | | | | | | | | |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|
| UL P | Section 33 | Township 25 S | Range 32 E | Lot | Ft. from N/S 100 SOUTH | Ft. from E/W 740 EAST | Latitude 32.0799325°N | Longitude 103.6738780°W | County LEA |
|------|------------|---------------|------------|-----|------------------------|-----------------------|-----------------------|-------------------------|------------|

| | | |
|--|--|--------------------------------|
| Unitized Area or Area of Uniform Interest N | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: N/A |
|--|--|--------------------------------|

OPERATOR CERTIFICATIONS

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 run leased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order here to fore 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.

Amy A. Brown

10/01/2025

Signature

Date

Amy A. Brown

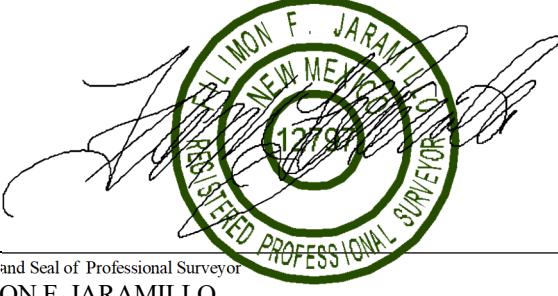
Printed Name

amy.brown@dvn.com

Email Address

SURVEYOR CERTIFICATIONS

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
FILIMON F. JARAMILLO

Certificate Number
PLS 12797

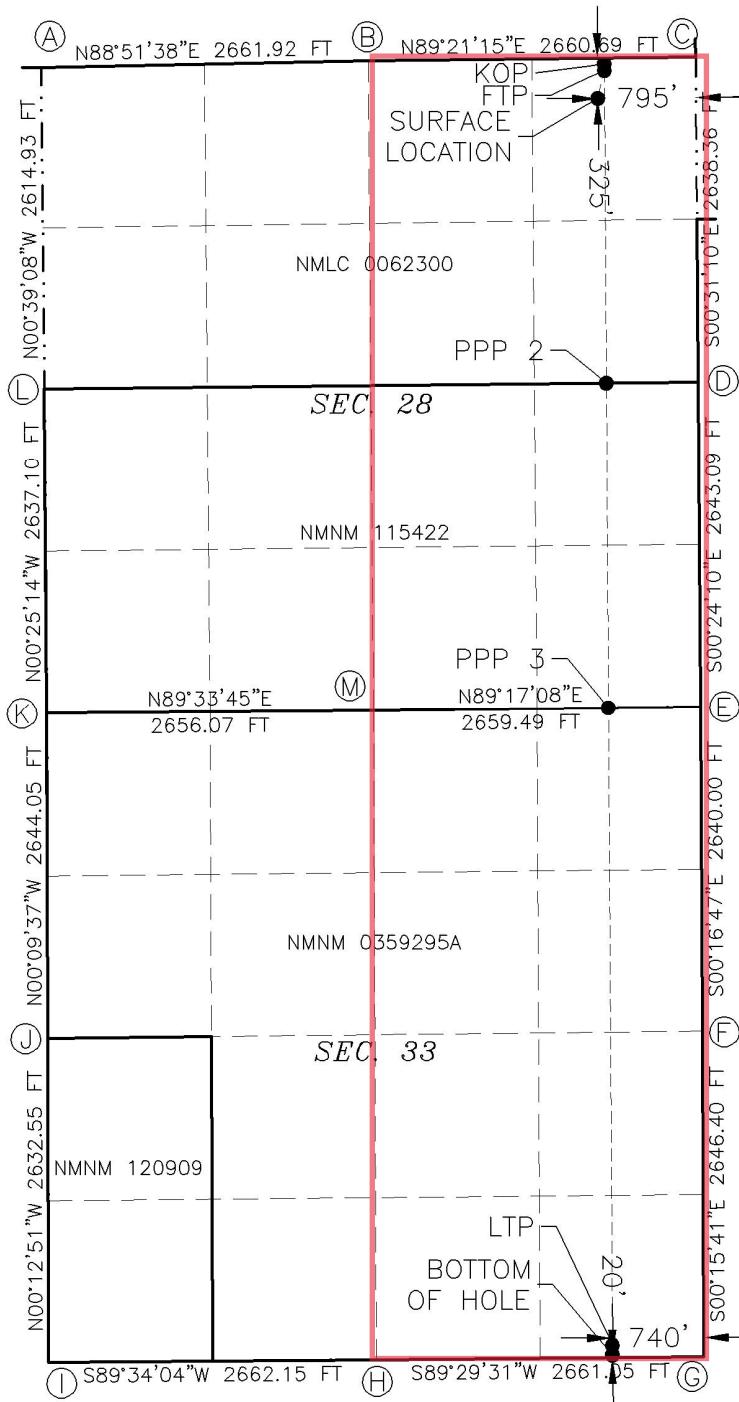
Date of Survey
AUGUST 12, 2025

SURVEY NO. 10174C

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.

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.



VAN D00 DAH 33-28 FED COM 530H
EL. = 3384.0

GEODETIC COORDINATES

NAD 83 NMSP EAST
SURFACE LOCATION
325' FNL, 795' FEL
N.=403578.90
E.=745466.05
LAT.=32.1078017°N
LONG.=103.6740626°E

KICK OFF POINT
50' FNL, 740' FEL
N.=403854.45
E.=745518.68
LAT.=32.1085582°N
LONG.=103.6738872°W

FIRST TAKE POINT
100' FNL, 740' FEL
N.=403804.46
E.=745519.11
LAT.=32.1084208°N
LONG.=103.6738868°W

LAST TAKE POINT
 100' FSL, 740' FEL
 N.=393440.89
 E.=745585.23
 LAT.=32.0799325°N
 LONG.=103.6738780°W

BOTTOM OF HOLE
20' FSL, 740' FEL
N.=393360.90
E.=745585.59
LAT.=32.0797126°N
LONG.=103.6738784°W

PPP2
2641' FNL, 746' FEL
N.=401264.49
E.=745535.32
LAT.=32.1014387°N
LONG.=103.6738847°W

PPP3
O' FSL, 749' FEL
N.=398623.32
E.=745552.16
LAT.=32.0941784°N
LONG.=103.6738824°W

CORNER COORDINATES TABLE
NAD 83 NMSP EAST

| | | | | | |
|---|---|------|-----------|------|-----------|
| A | - | N. = | 403829.87 | E. = | 740937.30 |
| B | - | N. = | 403882.79 | E. = | 743598.11 |
| C | - | N. = | 403912.78 | E. = | 746258.05 |
| D | - | N. = | 401272.46 | E. = | 746280.66 |
| E | - | N. = | 398632.65 | E. = | 746300.54 |
| F | - | N. = | 395993.26 | E. = | 746313.42 |
| G | - | N. = | 393347.47 | E. = | 746325.50 |
| H | - | N. = | 393323.87 | E. = | 743665.13 |
| I | - | N. = | 393301.16 | E. = | 741002.34 |
| J | - | N. = | 395935.76 | E. = | 740993.81 |
| K | - | N. = | 398579.22 | E. = | 740986.41 |
| L | - | N. = | 401215.68 | E. = | 740967.06 |
| M | - | N. = | 398599.50 | E. = | 743641.83 |

LEGEND

— · — · — · — · SECTION LINE
— — — — — · — · QUARTER LINE
— — — — — — — · — · LEASE LINE
— — — — — — — — — · — · WELL PATH



Devon Energy Corporation
333 W. Sheridan Avenue
Oklahoma City, OK 73102-8260

405 228 2448 Phone
www.devonenergy.com

January 13th, 2026

COG Production, LLC
600 W. Illinois Ave.
Midland, TX 79701

Re: Overlapping Spacing Unit – Van Doo Dah Wells
Sections 28 & 33, T25S-R32E
Lea County, NM

Mr. Virant,

In letters dated January 9, 2026, Devon Energy Production Company, L.P. ("Devon") notified COG Production LLC ("COG") that it is planning to drill the Van Doo Dah 33-28 Fed Com wells (listed on the Exhibit "A" attached) in Sections 28 & 33 – 25S – 32E, Lea County, New Mexico. The planned Van Doo Dah wells will produce from the Jennings, Bone Spring Upper Pool (97838) in either a proposed W/2 of Sections 28 & 33 or an E/2 of Sections 28 & 33 spacing unit. Devon notified COG due to the proposed spacing units for the Van Doo Dah Wells overlapping the established horizontal spacing unit in the Bone Spring pool comprised of the N/2 S/2 of Section 28-25S-32E currently dedicated to the Sol 28 Federal 2H well (API 30-025-40803), operated by COG Production, LLC.

Devon respectfully requests COG waive objection to this overlapping spacing unit. If you are in agreement, please indicate your acceptance and agreement by executing in the space below.

Should you have any questions, please feel free to contact me at ryan.cloer@dvn.com or by phone at 405-228-2448.

Sincerely,

Devon Energy Production Company, L.P.

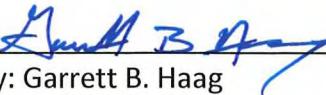
Ryan Cloer
Landman

Re: Overlapping Spacing Unit - Van Doo Dah Wells - Sec. 28 & 33 - 25S - 32E

Pg. 2

COG Production LLC waives objection to the proposed overlapping spacing units for the Van Doo Dah wells in the Jennings, Bone Spring Upper Pool (97838) identified as either the W/2 of Sections 28 & 33 – 25S -32E or as the E/2 of Sections 28 & 33 – 25S – 32E, Lea County, New Mexico.

COG Production LLC


By: Garrett B. Haag

Its: Attorney-in-fact



Exhibit "A"
(the "Van Doo Dah wells")

Spacing Unit: W/2 Sections 28 & 33 – 25S – 32E, Lea County, NM

1. Van Doo Dah 33-28 Fed Com 501H
2. Van Doo Dah 33-28 Fed Com 521H
3. Van Doo Dah 33-28 Fed Com 522H
4. Van Doo Dah 33-28 Fed Com 524H
5. Van Doo Dah 33-28 Fed Com 512H
6. Van Doo Dah 33-28 Fed Com 525H
7. Van Doo Dah 33-28 Fed Com 520H

Spacing Unit: E/2 Sections 28 & 33 – 25S – 32E, Lea County, NM

1. Van Doo Dah 33-28 Fed Com 513H
2. Van Doo Dah 33-28 Fed Com 526H
3. Van Doo Dah 33-28 Fed Com 527H
4. Van Doo Dah 33-28 Fed Com 528H
5. Van Doo Dah 33-28 Fed Com 529H
6. Van Doo Dah 33-28 Fed Com 530H

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

COMMENTS

Action 532567

COMMENTS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 532567 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |
| | |

COMMENTS

| Created By | Comment | Comment Date |
|---------------|--|--------------|
| matthew.gomez | NSP no longer required due to defining well allowing for larger standard spacing unit. | 1/14/2026 |

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 532567

CONDITIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 532567 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |
| | |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|----------------|
| matthew.gomez | No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations. | 1/14/2026 |
| matthew.gomez | If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USI log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence. | 1/14/2026 |
| matthew.gomez | All conducted logs must be submitted to the OCD. | 1/14/2026 |
| matthew.gomez | Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well. | 1/14/2026 |
| matthew.gomez | All previous COA's not addressed within the updated COA's still apply. | 1/14/2026 |