

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

| | | |
|--|---|--|
| Well Name: TODD 36-25 STATE FED COM | Well Location: T23S / R31E / SEC 36 / SWSE / 32.254163 / -103.728401 | County or Parish/State: EDDY / NM |
| Well Number: 814H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM0544986 | Unit or CA Name: | Unit or CA Number: NMNM105759892 |
| US Well Number: | Operator: DEVON ENERGY PRODUCTION COMPANY LP | |

Notice of Intent

Sundry ID: 2849722

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/28/2025

Time Sundry Submitted: 11:55

Date proposed operation will begin: 05/05/2025

Procedure Description: Devon Energy Production Company, LLC is requesting approval to change the SHL and BHL for the subject well. Attached is the well plat with the updated footages and updated drilling plan. Permitted SHL: 180 FSL and 1676 FEL SWSE Section 36-23S-31E Proposed SHL: 180 FSL and 1801 FEL SWSE Section 36-23S-31E Permitted BHL: 20 FNL and 650 FEL NENE Section 25-23S-31E Proposed BHL: 20 FNL and 330 FEL NENE Section 25-23S-31E

NOI Attachments

Procedure Description

WA022501534_TODD_36_25_STATE_FED_COM_814H_WL_R1___Signed_20250428115442.pdf

Todd_36_25_State_Fed_Com_814H_4_25_20250428115439.pdf

Todd_36_25_State_Fed_Com_814H_Directional_Plan_04_25_25_20250428115440.pdf

Well Name: TODD 36-25 STATE FED COM

Well Location: T23S / R31E / SEC 36 / SWSE / 32.254163 / -103.728401

County or Parish/State: EDDY / NM

Well Number: 814H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0544986

Unit or CA Name:

Unit or CA Number: NMNM105759892

US Well Number:

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional

36_23_31_O_Sundry_ID_2849722_Todd_36_25_State_Fed_Com_814H_20250520152652.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: LAUREN WATSON

Signed on: APR 28, 2025 11:55 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Compliance Professional

Street Address: 333 W. SHERIDAN AVE.

City: OKLAHOMA CITY **State:** OK

Phone: (405) 552-3379

Email address: LAUREN.WATSON@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: 05/27/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

| | | |
|---|-----------------------------------|---|
| SUBMIT IN TRIPLICATE - Other instructions on page 2 | | 5. Lease Serial No. |
| 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"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <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"/> 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: SWSE / 180 FSL / 1676 FEL / TWSP: 23S / RANGE: 31E / SECTION: 36 / LAT: 32.254163 / LONG: -103.728401 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 650 FEL / TWSP: 23S / RANGE: 31E / SECTION: 36 / LAT: 32.253942 / LONG: -103.725082 (TVD: 11760 feet, MD: 11883 feet)

BHL: NENE / 20 FNL / 650 FEL / TWSP: 23S / RANGE: 31E / SECTION: 25 / LAT: 32.28263 / LONG: -103.725071 (TVD: 12045 feet, MD: 22340 feet)

CONFIDENTIAL

Todd 36-25 State Fed Com 814H

| 10 3/4 | surface csg in a | | 14 3/4 | inch hole. | | Design Factors | | | | Surface | | |
|--|------------------|----------------|------------------|------------|------------------|-----------------|-----------|------------|-----|---------|------|--------------------|
| Segment | #/ft | Grade | | Coupling | Body | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 45.50 | | j 55 | btc | 17.87 | 5.08 | 0.55 | 880 | 9 | 0.92 | 9.59 | 40,040 |
| "B" | | | | btc | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500 | | | | | | | | Totals: | 880 | | | 40,040 |
| <p>Comparison of Proposed to Minimum Required Cement Volumes</p> <p>Tail Cmt does not circ to sfc.</p> | | | | | | | | | | | | |
| 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 |
| 14 3/4 | 0.5563 | 516 | 743 | 490 | 52 | 9.00 | 3891 | 5M | | | | 1.50 |
| Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK. | | | | | | | | | | | | |

| 8 5/8 | casing inside the | | 10 3/4 | | | Design Factors | | | | Int 1 | | |
|---|-------------------|----------------|------------------|-----------|------------------|-----------------|-----------|------------|--------|-------|------|--------------------|
| Segment | #/ft | Grade | | Coupling | Joint | Collapse | Burst | Length | B@s | a-B | a-C | Weight |
| "A" | 32.00 | | p 110 | mo-flx | 2.06 | 0.66 | 0.92 | 11,955 | 1 | 1.54 | 1.11 | 382,560 |
| "B" | | | | | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: -842 | | | | | | | | Totals: | 11,955 | | | 382,560 |
| <p>The cement volume(s) are intended to achieve a top of 0 ft from surface or a 880 overlap.</p> | | | | | | | | | | | | |
| 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 | 600 | 864 | 1515 | -43 | 10.50 | 4068 | 5M | | | | 0.63 |
| <p>r D V Tool(s): 6667 sum of sx 2 CuFt</p> <p>t by stage % : 30 28 1073 1952</p> <p>Class 'C' tail cmt yld > 1.35</p> | | | | | | | | | | | | |
| Burst Frac Gradient(s) for Segment(s) A, B, C, D = 0.52, b, c, d < 0.70 a Problem!! | | | | | | | | | | | | |

| 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+ | 2.92 | 1.77 | 2.11 | 22,868 | 2 | 3.53 | 2.97 | 457,360 |
| "B" | | | | | | | | 0 | | | | 0 |
| "C" | | | | | | | | 0 | | | | 0 |
| "D" | | | | | | | | 0 | | | | 0 |
| w/8.4#/g mud, 30min Sfc Csg Test psig: 2,750 | | | | | | | | Totals: | 22,868 | | | 457,360 |
| <p>The cement volume(s) are intended to achieve a top of 11455 ft from surface or a 500 overlap.</p> | | | | | | | | | | | | |
| 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 | 1548 | 2443 | 1979 | 23 | 10.50 | | | | | | 0.79 |
| Class 'C' tail cmt yld > 1.35 | | | | | | | | | | | | |

| 0 | #N/A | | 5 1/2 | | | Design Factors | | | | <Choose Casing> | | |
|---|----------------|----------------|------------------|-----------|------------------|-----------------|-----------|------------|-----|-----------------|-----|--------------------|
| Segment | #/ft | Grade | | Coupling | #N/A | Collapse | 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: | | | | | | | | Totals: | 0 | | | 0 |
| <p>Cmt vol calc below includes this csg, TOC intended #N/A ft from surface or a #N/A overlap.</p> | | | | | | | | | | | | |
| 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 |
| 0 | | #N/A | #N/A | 0 | #N/A | | | | | | | |
| #N/A Capitan Reef est top XXXX. | | | | | | | | | | | | |

| | | |
|---|---|--|
| C-102 Submit Electronically Via OCD Permitting | State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION | Revised July, 2024 Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled |
|---|---|--|

WELL LOCATION INFORMATION

| | | |
|--|--|--|
| API Number | Pool Code 98236 | Pool Name WC-015 G-08 S233135D; WOLFCAMP |
| Property Code | Property Name TODD 36-25 STATE FED COM | Well Number 814H |
| OGRID No. 6137 | Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P. | Ground Level Elevation 3507.0' |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|------------|--------|
| O | 36 | 23-S | 31-E | | 180' S | 1801' E | 32.254163 | 103.728838 | EDDY |

Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|------------|--------|
| A | 25 | 23-S | 31-E | | 20' N | 330' E | 32.282630 | 103.724035 | EDDY |

| | | | | |
|------------------------|-----------------------------------|-----------------------------------|---|-------------------------|
| Dedicated Acres 640 | Infill or Defining Well Infill | Defining Well API 30-015-47322 | Overlapping Spacing Unit (Y/N) N | 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 | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|------------|--------|
| P | 36 | 23-S | 31-E | | 50' S | 330' E | 32.253805 | 103.724047 | EDDY |

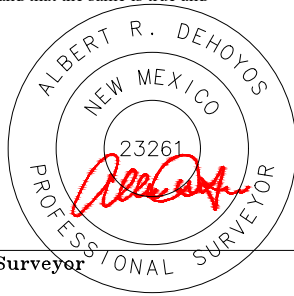
First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|------------|--------|
| P | 36 | 23-S | 31-E | | 100' S | 330' E | 32.253942 | 103.724047 | EDDY |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|------------|--------|
| A | 25 | 23-S | 31-E | | 100' N | 330' E | 32.282410 | 103.724035 | EDDY |

| | | | | |
|--|-------------------|------------|----------|-------------------------|
| | Spacing Unit Type | Horizontal | Vertical | Ground Floor Elevation: |
| | x | | | |

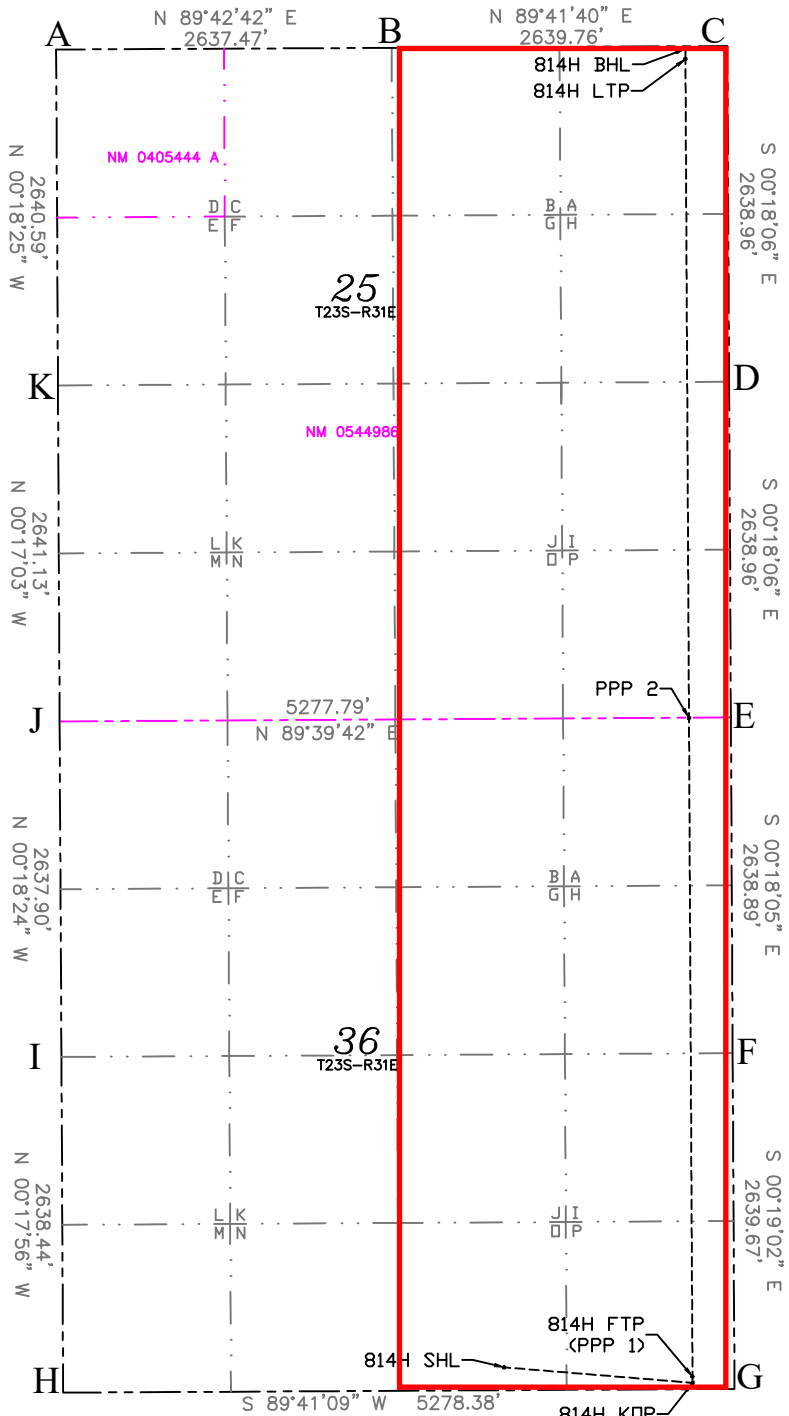
| | |
|--|--|
| <p>OPERATOR CERTIFICATIONS</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>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.</p> <p><i>Lauren Watson</i> 4/28/2025</p> | <p>SURVEYOR CERTIFICATIONS</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under supervision, and that the same is true and correct to the best of my belief.</p> <div style="text-align: center;">  </div> |
| Signature | Signature and Seal of Professional Surveyor |
| Date | Date of Survey |
| Printed Name lauren.watson@dvn.com | Certificate Number 23261 |
| Email Address | Date of Survey 03/2025 |

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.

| |
|---|
| <p>SURFACE HOLE LOCATION GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 180' FSL 180' FEL SECTION 29 EL:3507.0' N:456723.78/E:728206.67 LAT:32.254163/LDN:103.728838</p> |
| <p>KICK OFF POINT 50' FSL 330' FEL SECTION 36 N:456601.90/E:729688.37 LAT:32.253805/LDN:103.724047</p> |
| <p>FIRST TAKE POINT 100' FSL 330' FEL SECTION 36 N:456651.90/E:729688.09 LAT:32.253942/LDN:103.724047</p> |
| <p>LAST TAKE POINT 100' FNL 330' FEL SECTION 25 N:467008.28/E:729632.90 LAT:32.282410/LDN:103.724035</p> |
| <p>BOTTOM HOLE LOCATION 20' FNL 330' FEL SECTION 25 N:467088.28/E:729632.48 LAT:32.282630/LDN:103.724035</p> |
| <p>PPP 2 0' FSL 330' FEL SECTION 25 N:461830.24/E:729660.49 LAT:32.268176/LDN:103.724041</p> |



| | |
|---------------|-------------|
| A=N:467082.69 | E:724685.21 |
| B=N:467095.96 | E:727322.65 |
| C=N:467110.04 | E:729962.37 |
| D=N:464471.11 | E:729976.26 |
| E=N:461832.19 | E:729990.15 |
| F=N:459193.34 | E:730004.03 |
| G=N:456553.71 | E:730018.64 |
| H=N:456524.76 | E:724740.34 |
| I=N:459163.17 | E:724726.57 |
| J=N:461801.03 | E:724712.45 |
| K=N:464442.13 | E:724699.35 |

2. Casing Program (Primary Design)

| Hole Size | Csg. Size | Wt (PPF) | Grade | Conn | Casing Interval | | Casing Interval | |
|-----------|-----------|----------|----------|-----------|-----------------|---------|-----------------|----------|
| | | | | | From (MD) | To (MD) | From (TVD) | To (TVD) |
| 14 3/4 | 10 3/4 | 45 1/2 | J-55 | BTC | 0 | 848 | 0 | 848 |
| 9 7/8 | 8 5/8 | 32 | P110HSCY | MOFXL | 0 | 11955 | 0 | 11955 |
| 7 7/8 | 5 1/2 | 20 | P110EC | DWC/IS-C+ | 0 | 22868 | 0 | 12500 |

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

3. Cementing Program

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon 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. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures.

| Casing | # Sks | TOC | Wt. ppg | Yld (ft3/sack) | Slurry Description |
|------------|-------|-------|---------|----------------|--|
| Surface | 516 | Surf | 13.2 | 1.44 | Lead: Class C Cement + additives |
| Int 1 | 473 | Surf | 13.0 | 2.3 | 2nd State: Bradenhead Squeeze - Lead: Class C Cement + additives |
| | 604 | 6733 | 13.2 | 1.44 | Tail: Class H / C + additives |
| Production | 117 | 10055 | 9 | 3.27 | Lead: Class H / C + additives |
| | 1431 | 12055 | 13.2 | 1.44 | Tail: Class H / C + additives |

| Casing String | % Excess |
|----------------|----------|
| Surface | 50% |
| Intermediate 1 | 30% |
| Prod | 10% |

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 | | |
| | | | Pipe Ram | | | |
| | | | Double Ram | X | | |
| | | | Other* | | | |
| Production | 13-5/8" | 10M | Annular (5M) | X | 100% of rated working pressure | |
| | | | Blind Ram | X | | |
| | | | Pipe Ram | | | |
| | | | Double Ram | X | | |
| | | | Other* | | | |
| | | | Annular (5M) | | | |
| | | | Blind Ram | | | |
| | | | Pipe Ram | | | |
| | | | Double Ram | | | |
| | | | Other* | | | |
| N | A variance is requested for the use of a diverter on the surface casing. See attached for schematic. | | | | | |
| Y | A variance is requested to run a 5 M annular on a 10M system | | | | | |

5. Mud Program (Three String Design)

| Section | Type | Weight (ppg) |
|--------------|-----------------|--------------|
| Surface | FW Gel | 8.5-9 |
| Intermediate | DBE / Cut Brine | 10-10.5 |
| 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

| 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 Rpeort and sbmitted 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 | 6825 |
| 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 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. |

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 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 nipped 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

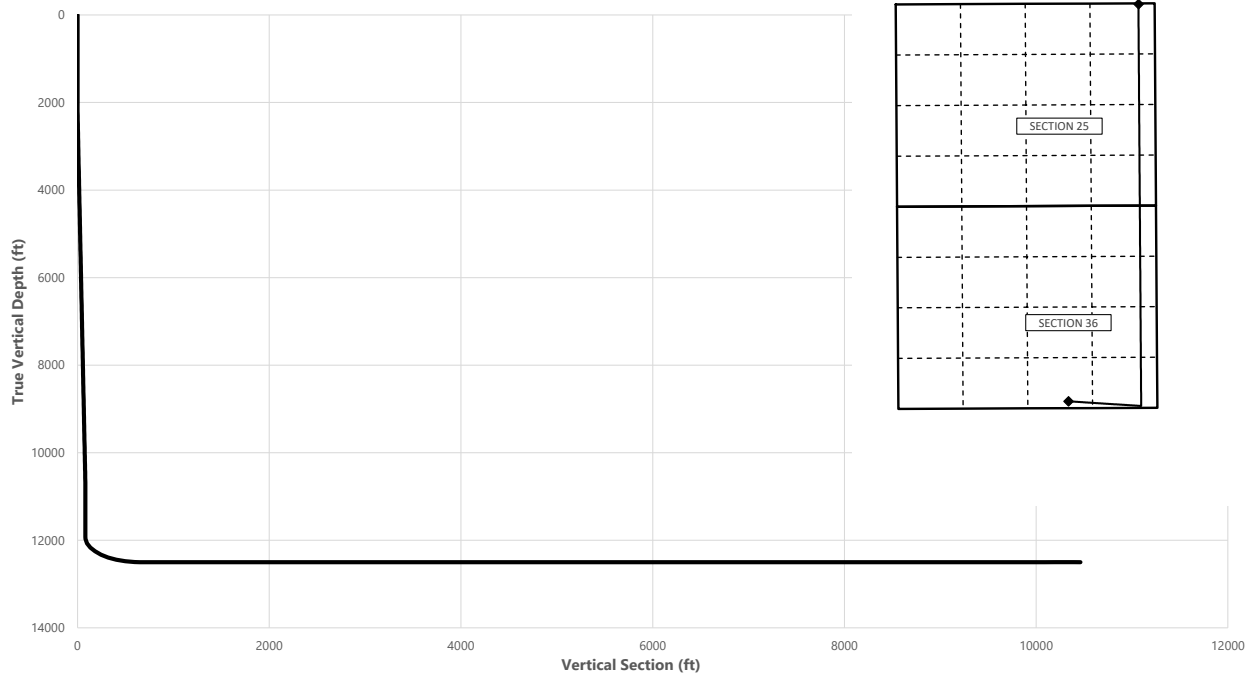
- Directional Plan
- Other, describe



Well: Todd 36-25 State Fed Com 814H
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)

| 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 |
| 2000.00 | 0.00 | 94.70 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Tangent |
| 2500.00 | 10.00 | 94.70 | 2497.47 | -3.57 | 43.38 | 2.38 | 2.00 | Hold Tangent |
| 10560.42 | 10.00 | 94.70 | 10435.43 | -118.25 | 1438.35 | 78.88 | 0.00 | Drop to Vertical |
| 11060.42 | 0.00 | 94.70 | 10932.90 | -121.82 | 1481.72 | 81.26 | 2.00 | Hold Vertical |
| 12054.57 | 0.00 | 359.69 | 11927.04 | -121.82 | 1481.72 | 81.26 | 0.00 | KOP |
| 12954.57 | 90.00 | 359.69 | 12500.00 | 451.13 | 1478.67 | 648.44 | 10.00 | Landing Point |
| 22868.08 | 90.00 | 359.69 | 12500.00 | 10364.50 | 1425.81 | 10462.11 | 0.00 | BHL |



| Key Depths | MD (ft) | TVD (ft) |
|---------------------------------|------------|-------------|
| Rustler | 823.00 | 823.00 |
| Salt | 1165.00 | 1165.00 |
| Base of Salt | 4246.06 | 4217.00 |
| Delaware | 4560.84 | 4527.00 |
| Cherry Canyon | 5473.71 | 5426.00 |
| Brushy Canyon | 6733.86 | 6667.00 |
| 1st Bone Spring Lime | 8426.57 | 8334.00 |
| Bone Spring 1st | 9545.57 | 9436.00 |
| Bone Spring 2nd | 10138.58 | 10020.00 |
| 3rd Bone Spring Lime | 10669.31 | 10543.00 |
| Bone Spring 3rd | 11421.53 | 11294.00 |
| Wolfcamp / Point of Penetration | 11857.53 | 11730.00 |
| exit | 22788.08 | 12500.01 |

| | MD (ft) | TVD (ft) | Lat (°) | Long (°) | Section Footages |
|-----------------------------|------------|-------------|------------|-------------|---|
| SHL | 0.00 | 0.00 | 32.2541 | -103.7289 | 180' FSL, 1801' FEL of Sec 36 in T23S, R31E |
| KOP | 12054.57 | 11927.04 | 32.2538 | -103.7240 | 50' FSL, 330' FEL of Sec 36 in T23S, R31E |
| Point of Penetration | 11857.53 | 11730.00 | 32.2539 | -103.7240 | 100' FSL, 330' FEL of Sec 36 in T23S, R31E |
| Exit | 22788.08 | 12500.01 | 32.2824 | -103.7240 | 100' FNL, 330' FEL of Sec 25 in T23S, R31E |
| BHL | 22868.08 | 12500.00 | 32.2825 | -103.7241 | 20' FNL, 330' FEL of Sec 25 in T23S, R31E |

| | Y | X | MD |
|------------|--------|--------|----------|
| KOP | 456602 | 729688 | 12054.57 |



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|------------|------------|------------|-------------|------------|------------|------------|------------------|---------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | SHL |
| 100.00 | 0.00 | 94.70 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 94.70 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 94.70 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400.00 | 0.00 | 94.70 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.00 | 0.00 | 94.70 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.00 | 0.00 | 94.70 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 700.00 | 0.00 | 94.70 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 800.00 | 0.00 | 94.70 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 823.00 | 0.00 | 94.70 | 823.00 | 0.00 | 0.00 | 0.00 | 0.00 | Rustler |
| 900.00 | 0.00 | 94.70 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1000.00 | 0.00 | 94.70 | 1000.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1100.00 | 0.00 | 94.70 | 1100.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1165.00 | 0.00 | 94.70 | 1165.00 | 0.00 | 0.00 | 0.00 | 0.00 | Salt |
| 1200.00 | 0.00 | 94.70 | 1200.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1300.00 | 0.00 | 94.70 | 1300.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1400.00 | 0.00 | 94.70 | 1400.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1500.00 | 0.00 | 94.70 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1600.00 | 0.00 | 94.70 | 1600.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1700.00 | 0.00 | 94.70 | 1700.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1800.00 | 0.00 | 94.70 | 1800.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1900.00 | 0.00 | 94.70 | 1900.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2000.00 | 0.00 | 94.70 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Tangent |
| 2100.00 | 2.00 | 94.70 | 2099.98 | -0.14 | 1.74 | 0.10 | 2.00 | |
| 2200.00 | 4.00 | 94.70 | 2199.84 | -0.57 | 6.96 | 0.38 | 2.00 | |
| 2300.00 | 6.00 | 94.70 | 2299.45 | -1.29 | 15.64 | 0.86 | 2.00 | |
| 2400.00 | 8.00 | 94.70 | 2398.70 | -2.28 | 27.79 | 1.52 | 2.00 | |
| 2500.00 | 10.00 | 94.70 | 2497.47 | -3.57 | 43.38 | 2.38 | 2.00 | Hold Tangent |
| 2600.00 | 10.00 | 94.70 | 2595.95 | -4.99 | 60.68 | 3.33 | 0.00 | |
| 2700.00 | 10.00 | 94.70 | 2694.43 | -6.41 | 77.99 | 4.28 | 0.00 | |
| 2800.00 | 10.00 | 94.70 | 2792.91 | -7.83 | 95.30 | 5.23 | 0.00 | |
| 2900.00 | 10.00 | 94.70 | 2891.39 | -9.26 | 112.60 | 6.17 | 0.00 | |
| 3000.00 | 10.00 | 94.70 | 2989.87 | -10.68 | 129.91 | 7.12 | 0.00 | |
| 3100.00 | 10.00 | 94.70 | 3088.35 | -12.10 | 147.21 | 8.07 | 0.00 | |
| 3200.00 | 10.00 | 94.70 | 3186.83 | -13.53 | 164.52 | 9.02 | 0.00 | |
| 3300.00 | 10.00 | 94.70 | 3285.31 | -14.95 | 181.83 | 9.97 | 0.00 | |
| 3400.00 | 10.00 | 94.70 | 3383.79 | -16.37 | 199.13 | 10.92 | 0.00 | |
| 3500.00 | 10.00 | 94.70 | 3482.27 | -17.79 | 216.44 | 11.87 | 0.00 | |
| 3600.00 | 10.00 | 94.70 | 3580.75 | -19.22 | 233.75 | 12.82 | 0.00 | |
| 3700.00 | 10.00 | 94.70 | 3679.23 | -20.64 | 251.05 | 13.77 | 0.00 | |
| 3800.00 | 10.00 | 94.70 | 3777.72 | -22.06 | 268.36 | 14.72 | 0.00 | |
| 3900.00 | 10.00 | 94.70 | 3876.20 | -23.49 | 285.67 | 15.67 | 0.00 | |
| 4000.00 | 10.00 | 94.70 | 3974.68 | -24.91 | 302.97 | 16.61 | 0.00 | |
| 4100.00 | 10.00 | 94.70 | 4073.16 | -26.33 | 320.28 | 17.56 | 0.00 | |
| 4200.00 | 10.00 | 94.70 | 4171.64 | -27.75 | 337.59 | 18.51 | 0.00 | |
| 4246.06 | 10.00 | 94.70 | 4217.00 | -28.41 | 345.56 | 18.95 | 0.00 | Base of Salt |
| 4300.00 | 10.00 | 94.70 | 4270.12 | -29.18 | 354.89 | 19.46 | 0.00 | |
| 4400.00 | 10.00 | 94.70 | 4368.60 | -30.60 | 372.20 | 20.41 | 0.00 | |
| 4500.00 | 10.00 | 94.70 | 4467.08 | -32.02 | 389.50 | 21.36 | 0.00 | |
| 4560.84 | 10.00 | 94.70 | 4527.00 | -32.89 | 400.03 | 21.94 | 0.00 | Delaware |
| 4600.00 | 10.00 | 94.70 | 4565.56 | -33.45 | 406.81 | 22.31 | 0.00 | |
| 4700.00 | 10.00 | 94.70 | 4664.04 | -34.87 | 424.12 | 23.26 | 0.00 | |
| 4800.00 | 10.00 | 94.70 | 4762.52 | -36.29 | 441.42 | 24.21 | 0.00 | |
| 4900.00 | 10.00 | 94.70 | 4861.00 | -37.71 | 458.73 | 25.16 | 0.00 | |
| 5000.00 | 10.00 | 94.70 | 4959.48 | -39.14 | 476.04 | 26.10 | 0.00 | |
| 5100.00 | 10.00 | 94.70 | 5057.97 | -40.56 | 493.34 | 27.05 | 0.00 | |
| 5200.00 | 10.00 | 94.70 | 5156.45 | -41.98 | 510.65 | 28.00 | 0.00 | |
| 5300.00 | 10.00 | 94.70 | 5254.93 | -43.41 | 527.96 | 28.95 | 0.00 | |
| 5400.00 | 10.00 | 94.70 | 5353.41 | -44.83 | 545.26 | 29.90 | 0.00 | |
| 5473.71 | 10.00 | 94.70 | 5426.00 | -45.88 | 558.02 | 30.60 | 0.00 | Cherry Canyon |
| 5500.00 | 10.00 | 94.70 | 5451.89 | -46.25 | 562.57 | 30.85 | 0.00 | |
| 5600.00 | 10.00 | 94.70 | 5550.37 | -47.67 | 579.88 | 31.80 | 0.00 | |
| 5700.00 | 10.00 | 94.70 | 5648.85 | -49.10 | 597.18 | 32.75 | 0.00 | |
| 5800.00 | 10.00 | 94.70 | 5747.33 | -50.52 | 614.49 | 33.70 | 0.00 | |
| 5900.00 | 10.00 | 94.70 | 5845.81 | -51.94 | 631.79 | 34.65 | 0.00 | |
| 6000.00 | 10.00 | 94.70 | 5944.29 | -53.36 | 649.10 | 35.60 | 0.00 | |
| 6100.00 | 10.00 | 94.70 | 6042.77 | -54.79 | 666.41 | 36.54 | 0.00 | |
| 6200.00 | 10.00 | 94.70 | 6141.25 | -56.21 | 683.71 | 37.49 | 0.00 | |
| 6300.00 | 10.00 | 94.70 | 6239.73 | -57.63 | 701.02 | 38.44 | 0.00 | |
| 6400.00 | 10.00 | 94.70 | 6338.22 | -59.06 | 718.33 | 39.39 | 0.00 | |



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| MD (ft) | INC (°) | AZI (°) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS (°/100ft) | Comment |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------------------------------|
| 6500.00 | 10.00 | 94.70 | 6436.70 | -60.48 | 735.63 | 40.34 | 0.00 | |
| 6600.00 | 10.00 | 94.70 | 6535.18 | -61.90 | 752.94 | 41.29 | 0.00 | |
| 6700.00 | 10.00 | 94.70 | 6633.66 | -63.32 | 770.25 | 42.24 | 0.00 | |
| 6733.86 | 10.00 | 94.70 | 6667.00 | -63.81 | 776.10 | 42.56 | 0.00 | Brushy Canyon |
| 6800.00 | 10.00 | 94.70 | 6732.14 | -64.75 | 787.55 | 43.19 | 0.00 | |
| 6900.00 | 10.00 | 94.70 | 6830.62 | -66.17 | 804.86 | 44.14 | 0.00 | |
| 7000.00 | 10.00 | 94.70 | 6929.10 | -67.59 | 822.16 | 45.09 | 0.00 | |
| 7100.00 | 10.00 | 94.70 | 7027.58 | -69.02 | 839.47 | 46.03 | 0.00 | |
| 7200.00 | 10.00 | 94.70 | 7126.06 | -70.44 | 856.78 | 46.98 | 0.00 | |
| 7300.00 | 10.00 | 94.70 | 7224.54 | -71.86 | 874.08 | 47.93 | 0.00 | |
| 7400.00 | 10.00 | 94.70 | 7323.02 | -73.28 | 891.39 | 48.88 | 0.00 | |
| 7500.00 | 10.00 | 94.70 | 7421.50 | -74.71 | 908.70 | 49.83 | 0.00 | |
| 7600.00 | 10.00 | 94.70 | 7519.99 | -76.13 | 926.00 | 50.78 | 0.00 | |
| 7700.00 | 10.00 | 94.70 | 7618.47 | -77.55 | 943.31 | 51.73 | 0.00 | |
| 7800.00 | 10.00 | 94.70 | 7716.95 | -78.98 | 960.62 | 52.68 | 0.00 | |
| 7900.00 | 10.00 | 94.70 | 7815.43 | -80.40 | 977.92 | 53.63 | 0.00 | |
| 8000.00 | 10.00 | 94.70 | 7913.91 | -81.82 | 995.23 | 54.58 | 0.00 | |
| 8100.00 | 10.00 | 94.70 | 8012.39 | -83.24 | 1012.54 | 55.53 | 0.00 | |
| 8200.00 | 10.00 | 94.70 | 8110.87 | -84.67 | 1029.84 | 56.47 | 0.00 | |
| 8300.00 | 10.00 | 94.70 | 8209.35 | -86.09 | 1047.15 | 57.42 | 0.00 | |
| 8400.00 | 10.00 | 94.70 | 8307.83 | -87.51 | 1064.45 | 58.37 | 0.00 | |
| 8426.57 | 10.00 | 94.70 | 8334.00 | -87.89 | 1069.05 | 58.62 | 0.00 | 1st Bone Spring Lime |
| 8500.00 | 10.00 | 94.70 | 8406.31 | -88.94 | 1081.76 | 59.32 | 0.00 | |
| 8600.00 | 10.00 | 94.70 | 8504.79 | -90.36 | 1099.07 | 60.27 | 0.00 | |
| 8700.00 | 10.00 | 94.70 | 8603.27 | -91.78 | 1116.37 | 61.22 | 0.00 | |
| 8800.00 | 10.00 | 94.70 | 8701.75 | -93.20 | 1133.68 | 62.17 | 0.00 | |
| 8900.00 | 10.00 | 94.70 | 8800.24 | -94.63 | 1150.99 | 63.12 | 0.00 | |
| 9000.00 | 10.00 | 94.70 | 8898.72 | -96.05 | 1168.29 | 64.07 | 0.00 | |
| 9100.00 | 10.00 | 94.70 | 8997.20 | -97.47 | 1185.60 | 65.02 | 0.00 | |
| 9200.00 | 10.00 | 94.70 | 9095.68 | -98.90 | 1202.91 | 65.96 | 0.00 | |
| 9300.00 | 10.00 | 94.70 | 9194.16 | -100.32 | 1220.21 | 66.91 | 0.00 | |
| 9400.00 | 10.00 | 94.70 | 9292.64 | -101.74 | 1237.52 | 67.86 | 0.00 | |
| 9500.00 | 10.00 | 94.70 | 9391.12 | -103.16 | 1254.83 | 68.81 | 0.00 | |
| 9545.57 | 10.00 | 94.70 | 9436.00 | -103.81 | 1262.71 | 69.24 | 0.00 | Bone Spring 1st |
| 9600.00 | 10.00 | 94.70 | 9489.60 | -104.59 | 1272.13 | 69.76 | 0.00 | |
| 9700.00 | 10.00 | 94.70 | 9588.08 | -106.01 | 1289.44 | 70.71 | 0.00 | |
| 9800.00 | 10.00 | 94.70 | 9686.56 | -107.43 | 1306.74 | 71.66 | 0.00 | |
| 9900.00 | 10.00 | 94.70 | 9785.04 | -108.85 | 1324.05 | 72.61 | 0.00 | |
| 10000.00 | 10.00 | 94.70 | 9883.52 | -110.28 | 1341.36 | 73.56 | 0.00 | |
| 10100.00 | 10.00 | 94.70 | 9982.00 | -111.70 | 1358.66 | 74.51 | 0.00 | |
| 10138.58 | 10.00 | 94.70 | 10020.00 | -112.25 | 1365.34 | 74.87 | 0.00 | Bone Spring 2nd |
| 10200.00 | 10.00 | 94.70 | 10080.49 | -113.12 | 1375.97 | 75.46 | 0.00 | |
| 10300.00 | 10.00 | 94.70 | 10178.97 | -114.55 | 1393.28 | 76.40 | 0.00 | |
| 10400.00 | 10.00 | 94.70 | 10277.45 | -115.97 | 1410.58 | 77.35 | 0.00 | |
| 10500.00 | 10.00 | 94.70 | 10375.93 | -117.39 | 1427.89 | 78.30 | 0.00 | |
| 10560.42 | 10.00 | 94.70 | 10435.43 | -118.25 | 1438.35 | 78.88 | 0.00 | Drop to Vertical |
| 10600.00 | 9.21 | 94.70 | 10474.45 | -118.79 | 1444.93 | 79.23 | 2.00 | |
| 10669.31 | 7.82 | 94.70 | 10543.00 | -119.64 | 1455.16 | 79.80 | 2.00 | 3rd Bone Spring Lime |
| 10700.00 | 7.21 | 94.70 | 10573.42 | -119.96 | 1459.16 | 80.02 | 2.00 | |
| 10800.00 | 5.21 | 94.70 | 10672.83 | -120.85 | 1469.93 | 80.61 | 2.00 | |
| 10900.00 | 3.21 | 94.70 | 10772.56 | -121.45 | 1477.25 | 81.01 | 2.00 | |
| 11000.00 | 1.21 | 94.70 | 10872.48 | -121.77 | 1481.09 | 81.22 | 2.00 | |
| 11060.42 | 0.00 | 94.70 | 10932.90 | -121.82 | 1481.72 | 81.26 | 2.00 | Hold Vertical |
| 11100.00 | 0.00 | 359.69 | 10972.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11200.00 | 0.00 | 359.69 | 11072.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11300.00 | 0.00 | 359.69 | 11172.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11400.00 | 0.00 | 359.69 | 11272.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11421.53 | 0.00 | 359.69 | 11294.00 | -121.82 | 1481.72 | 81.25 | 0.00 | Bone Spring 3rd |
| 11500.00 | 0.00 | 359.69 | 11372.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11600.00 | 0.00 | 359.69 | 11472.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11700.00 | 0.00 | 359.69 | 11572.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11800.00 | 0.00 | 359.69 | 11672.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 11857.53 | 0.00 | 359.69 | 11730.00 | -121.82 | 1481.72 | 81.25 | 0.00 | Wolfcamp / Point of Penetration |
| 11900.00 | 0.00 | 359.69 | 11772.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 12000.00 | 0.00 | 359.69 | 11872.47 | -121.82 | 1481.72 | 81.25 | 0.00 | |
| 12054.57 | 0.00 | 359.69 | 11927.04 | -121.82 | 1481.72 | 81.26 | 0.00 | KOP |
| 12100.00 | 4.54 | 359.69 | 11972.43 | -120.02 | 1481.71 | 83.03 | 10.00 | |
| 12200.00 | 14.54 | 359.69 | 12070.92 | -103.46 | 1481.63 | 99.43 | 10.00 | |
| 12300.00 | 24.54 | 359.69 | 12165.04 | -70.05 | 1481.45 | 132.50 | 10.00 | |
| 12400.00 | 34.54 | 359.69 | 12251.93 | -20.81 | 1481.18 | 181.25 | 10.00 | |



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|------------|------------|------------|-------------|------------|------------|------------|------------------|---------------|
| 12500.00 | 44.54 | 359.69 | 12328.94 | 42.78 | 1480.84 | 244.19 | 10.00 | |
| 12600.00 | 54.54 | 359.69 | 12393.75 | 118.77 | 1480.44 | 319.42 | 10.00 | |
| 12700.00 | 64.54 | 359.69 | 12444.37 | 204.86 | 1479.98 | 404.65 | 10.00 | |
| 12800.00 | 74.54 | 359.69 | 12479.28 | 298.43 | 1479.48 | 497.28 | 10.00 | |
| 12900.00 | 84.54 | 359.69 | 12497.40 | 396.65 | 1478.96 | 594.50 | 10.00 | |
| 12954.57 | 90.00 | 359.69 | 12500.00 | 451.13 | 1478.67 | 648.44 | 10.00 | Landing Point |
| 13000.00 | 90.00 | 359.69 | 12500.00 | 496.56 | 1478.43 | 693.42 | 0.00 | |
| 13100.00 | 90.00 | 359.69 | 12500.00 | 596.56 | 1477.89 | 792.41 | 0.00 | |
| 13200.00 | 90.00 | 359.69 | 12500.00 | 696.56 | 1477.36 | 891.40 | 0.00 | |
| 13300.00 | 90.00 | 359.69 | 12500.00 | 796.56 | 1476.82 | 990.39 | 0.00 | |
| 13400.00 | 90.00 | 359.69 | 12500.00 | 896.56 | 1476.29 | 1089.39 | 0.00 | |
| 13500.00 | 90.00 | 359.69 | 12500.00 | 996.56 | 1475.76 | 1188.38 | 0.00 | |
| 13600.00 | 90.00 | 359.69 | 12500.00 | 1096.55 | 1475.22 | 1287.37 | 0.00 | |
| 13700.00 | 90.00 | 359.69 | 12500.00 | 1196.55 | 1474.69 | 1386.37 | 0.00 | |
| 13800.00 | 90.00 | 359.69 | 12500.00 | 1296.55 | 1474.16 | 1485.36 | 0.00 | |
| 13900.00 | 90.00 | 359.69 | 12500.00 | 1396.55 | 1473.62 | 1584.35 | 0.00 | |
| 14000.00 | 90.00 | 359.69 | 12500.00 | 1496.55 | 1473.09 | 1683.34 | 0.00 | |
| 14100.00 | 90.00 | 359.69 | 12500.00 | 1596.55 | 1472.55 | 1782.34 | 0.00 | |
| 14200.00 | 90.00 | 359.69 | 12500.00 | 1696.55 | 1472.02 | 1881.33 | 0.00 | |
| 14300.00 | 90.00 | 359.69 | 12500.00 | 1796.54 | 1471.49 | 1980.32 | 0.00 | |
| 14400.00 | 90.00 | 359.69 | 12500.00 | 1896.54 | 1470.95 | 2079.32 | 0.00 | |
| 14500.00 | 90.00 | 359.69 | 12500.00 | 1996.54 | 1470.42 | 2178.31 | 0.00 | |
| 14600.00 | 90.00 | 359.69 | 12500.00 | 2096.54 | 1469.89 | 2277.30 | 0.00 | |
| 14700.00 | 90.00 | 359.69 | 12500.00 | 2196.54 | 1469.35 | 2376.29 | 0.00 | |
| 14800.00 | 90.00 | 359.69 | 12500.00 | 2296.54 | 1468.82 | 2475.29 | 0.00 | |
| 14900.00 | 90.00 | 359.69 | 12500.00 | 2396.54 | 1468.29 | 2574.28 | 0.00 | |
| 15000.00 | 90.00 | 359.69 | 12500.00 | 2496.53 | 1467.75 | 2673.27 | 0.00 | |
| 15100.00 | 90.00 | 359.69 | 12500.00 | 2596.53 | 1467.22 | 2772.27 | 0.00 | |
| 15200.00 | 90.00 | 359.69 | 12500.00 | 2696.53 | 1466.68 | 2871.26 | 0.00 | |
| 15300.00 | 90.00 | 359.69 | 12500.00 | 2796.53 | 1466.15 | 2970.25 | 0.00 | |
| 15400.00 | 90.00 | 359.69 | 12500.00 | 2896.53 | 1465.62 | 3069.24 | 0.00 | |
| 15500.00 | 90.00 | 359.69 | 12500.00 | 2996.53 | 1465.08 | 3168.24 | 0.00 | |
| 15600.00 | 90.00 | 359.69 | 12500.00 | 3096.53 | 1464.55 | 3267.23 | 0.00 | |
| 15700.00 | 90.00 | 359.69 | 12500.00 | 3196.52 | 1464.02 | 3366.22 | 0.00 | |
| 15800.00 | 90.00 | 359.69 | 12500.00 | 3296.52 | 1463.48 | 3465.21 | 0.00 | |
| 15900.00 | 90.00 | 359.69 | 12500.00 | 3396.52 | 1462.95 | 3564.21 | 0.00 | |
| 16000.00 | 90.00 | 359.69 | 12500.00 | 3496.52 | 1462.41 | 3663.20 | 0.00 | |
| 16100.00 | 90.00 | 359.69 | 12500.00 | 3596.52 | 1461.88 | 3762.19 | 0.00 | |
| 16200.00 | 90.00 | 359.69 | 12500.00 | 3696.52 | 1461.35 | 3861.19 | 0.00 | |
| 16300.00 | 90.00 | 359.69 | 12500.00 | 3796.52 | 1460.81 | 3960.18 | 0.00 | |
| 16400.00 | 90.00 | 359.69 | 12500.00 | 3896.51 | 1460.28 | 4059.17 | 0.00 | |
| 16500.00 | 90.00 | 359.69 | 12500.00 | 3996.51 | 1459.75 | 4158.16 | 0.00 | |
| 16600.00 | 90.00 | 359.69 | 12500.00 | 4096.51 | 1459.21 | 4257.16 | 0.00 | |
| 16700.00 | 90.00 | 359.69 | 12500.00 | 4196.51 | 1458.68 | 4356.15 | 0.00 | |
| 16800.00 | 90.00 | 359.69 | 12500.00 | 4296.51 | 1458.14 | 4455.14 | 0.00 | |
| 16900.00 | 90.00 | 359.69 | 12500.00 | 4396.51 | 1457.61 | 4554.14 | 0.00 | |
| 17000.00 | 90.00 | 359.69 | 12500.01 | 4496.51 | 1457.08 | 4653.13 | 0.00 | |
| 17100.00 | 90.00 | 359.69 | 12500.01 | 4596.50 | 1456.54 | 4752.12 | 0.00 | |
| 17200.00 | 90.00 | 359.69 | 12500.01 | 4696.50 | 1456.01 | 4851.11 | 0.00 | |
| 17300.00 | 90.00 | 359.69 | 12500.01 | 4796.50 | 1455.48 | 4950.11 | 0.00 | |
| 17400.00 | 90.00 | 359.69 | 12500.01 | 4896.50 | 1454.94 | 5049.10 | 0.00 | |
| 17500.00 | 90.00 | 359.69 | 12500.01 | 4996.50 | 1454.41 | 5148.09 | 0.00 | |
| 17600.00 | 90.00 | 359.69 | 12500.01 | 5096.50 | 1453.87 | 5247.09 | 0.00 | |
| 17700.00 | 90.00 | 359.69 | 12500.01 | 5196.50 | 1453.34 | 5346.08 | 0.00 | |
| 17800.00 | 90.00 | 359.69 | 12500.01 | 5296.49 | 1452.81 | 5445.07 | 0.00 | |
| 17900.00 | 90.00 | 359.69 | 12500.01 | 5396.49 | 1452.27 | 5544.06 | 0.00 | |
| 18000.00 | 90.00 | 359.69 | 12500.01 | 5496.49 | 1451.74 | 5643.06 | 0.00 | |
| 18100.00 | 90.00 | 359.69 | 12500.01 | 5596.49 | 1451.21 | 5742.05 | 0.00 | |
| 18200.00 | 90.00 | 359.69 | 12500.01 | 5696.49 | 1450.67 | 5841.04 | 0.00 | |
| 18300.00 | 90.00 | 359.69 | 12500.01 | 5796.49 | 1450.14 | 5940.04 | 0.00 | |
| 18400.00 | 90.00 | 359.69 | 12500.01 | 5896.49 | 1449.60 | 6039.03 | 0.00 | |
| 18500.00 | 90.00 | 359.69 | 12500.01 | 5996.48 | 1449.07 | 6138.02 | 0.00 | |
| 18600.00 | 90.00 | 359.69 | 12500.01 | 6096.48 | 1448.54 | 6237.01 | 0.00 | |
| 18700.00 | 90.00 | 359.69 | 12500.01 | 6196.48 | 1448.00 | 6336.01 | 0.00 | |
| 18800.00 | 90.00 | 359.69 | 12500.01 | 6296.48 | 1447.47 | 6435.00 | 0.00 | |
| 18900.00 | 90.00 | 359.69 | 12500.01 | 6396.48 | 1446.94 | 6533.99 | 0.00 | |
| 19000.00 | 90.00 | 359.69 | 12500.01 | 6496.48 | 1446.40 | 6632.99 | 0.00 | |
| 19100.00 | 90.00 | 359.69 | 12500.01 | 6596.48 | 1445.87 | 6731.98 | 0.00 | |
| 19200.00 | 90.00 | 359.69 | 12500.01 | 6696.47 | 1445.33 | 6830.97 | 0.00 | |
| 19300.00 | 90.00 | 359.69 | 12500.01 | 6796.47 | 1444.80 | 6929.96 | 0.00 | |



Well: Todd 36-25 State Fed Com 814H
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)

| MD (ft) | INC (°) | AZI (°) | TVD (ft) | NS (ft) | EW (ft) | VS (ft) | DLS (°/100ft) | Comment |
|------------|------------|------------|-------------|------------|------------|------------|------------------|---------|
| 19400.00 | 90.00 | 359.69 | 12500.01 | 6896.47 | 1444.27 | 7028.96 | 0.00 | |
| 19500.00 | 90.00 | 359.69 | 12500.01 | 6996.47 | 1443.73 | 7127.95 | 0.00 | |
| 19600.00 | 90.00 | 359.69 | 12500.01 | 7096.47 | 1443.20 | 7226.94 | 0.00 | |
| 19700.00 | 90.00 | 359.69 | 12500.01 | 7196.47 | 1442.67 | 7325.94 | 0.00 | |
| 19800.00 | 90.00 | 359.69 | 12500.01 | 7296.47 | 1442.13 | 7424.93 | 0.00 | |
| 19900.00 | 90.00 | 359.69 | 12500.01 | 7396.46 | 1441.60 | 7523.92 | 0.00 | |
| 20000.00 | 90.00 | 359.69 | 12500.01 | 7496.46 | 1441.07 | 7622.91 | 0.00 | |
| 20100.00 | 90.00 | 359.69 | 12500.01 | 7596.46 | 1440.53 | 7721.91 | 0.00 | |
| 20200.00 | 90.00 | 359.69 | 12500.01 | 7696.46 | 1440.00 | 7820.90 | 0.00 | |
| 20300.00 | 90.00 | 359.69 | 12500.01 | 7796.46 | 1439.46 | 7919.89 | 0.00 | |
| 20400.00 | 90.00 | 359.69 | 12500.01 | 7896.46 | 1438.93 | 8018.88 | 0.00 | |
| 20500.00 | 90.00 | 359.69 | 12500.01 | 7996.46 | 1438.40 | 8117.88 | 0.00 | |
| 20600.00 | 90.00 | 359.69 | 12500.01 | 8096.45 | 1437.86 | 8216.87 | 0.00 | |
| 20700.00 | 90.00 | 359.69 | 12500.01 | 8196.45 | 1437.33 | 8315.86 | 0.00 | |
| 20800.00 | 90.00 | 359.69 | 12500.01 | 8296.45 | 1436.80 | 8414.86 | 0.00 | |
| 20900.00 | 90.00 | 359.69 | 12500.01 | 8396.45 | 1436.26 | 8513.85 | 0.00 | |
| 21000.00 | 90.00 | 359.69 | 12500.01 | 8496.45 | 1435.73 | 8612.84 | 0.00 | |
| 21100.00 | 90.00 | 359.69 | 12500.01 | 8596.45 | 1435.19 | 8711.83 | 0.00 | |
| 21200.00 | 90.00 | 359.69 | 12500.01 | 8696.45 | 1434.66 | 8810.83 | 0.00 | |
| 21300.00 | 90.00 | 359.69 | 12500.01 | 8796.44 | 1434.13 | 8909.82 | 0.00 | |
| 21400.00 | 90.00 | 359.69 | 12500.01 | 8896.44 | 1433.59 | 9008.81 | 0.00 | |
| 21500.00 | 90.00 | 359.69 | 12500.01 | 8996.44 | 1433.06 | 9107.81 | 0.00 | |
| 21600.00 | 90.00 | 359.69 | 12500.01 | 9096.44 | 1432.53 | 9206.80 | 0.00 | |
| 21700.00 | 90.00 | 359.69 | 12500.01 | 9196.44 | 1431.99 | 9305.79 | 0.00 | |
| 21800.00 | 90.00 | 359.69 | 12500.01 | 9296.44 | 1431.46 | 9404.78 | 0.00 | |
| 21900.00 | 90.00 | 359.69 | 12500.01 | 9396.44 | 1430.92 | 9503.78 | 0.00 | |
| 22000.00 | 90.00 | 359.69 | 12500.01 | 9496.43 | 1430.39 | 9602.77 | 0.00 | |
| 22100.00 | 90.00 | 359.69 | 12500.01 | 9596.43 | 1429.86 | 9701.76 | 0.00 | |
| 22200.00 | 90.00 | 359.69 | 12500.01 | 9696.43 | 1429.32 | 9800.76 | 0.00 | |
| 22300.00 | 90.00 | 359.69 | 12500.01 | 9796.43 | 1428.79 | 9899.75 | 0.00 | |
| 22400.00 | 90.00 | 359.69 | 12500.01 | 9896.43 | 1428.26 | 9998.74 | 0.00 | |
| 22500.00 | 90.00 | 359.69 | 12500.01 | 9996.43 | 1427.72 | 10097.73 | 0.00 | |
| 22600.00 | 90.00 | 359.69 | 12500.01 | 10096.43 | 1427.19 | 10196.73 | 0.00 | |
| 22700.00 | 90.00 | 359.69 | 12500.01 | 10196.42 | 1426.65 | 10295.72 | 0.00 | |
| 22788.08 | 90.00 | 359.69 | 12500.01 | 10284.50 | 1426.18 | 10382.91 | 0.00 | exit |
| 22800.00 | 90.00 | 359.69 | 12500.01 | 10296.42 | 1426.12 | 10394.71 | 0.00 | |
| 22868.08 | 90.00 | 359.69 | 12500.00 | 10364.50 | 1425.81 | 10462.11 | 0.00 | BHL |

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 468804

CONDITIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 468804 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition | Condition Date |
|-------------|--|----------------|
| ward.rikala | Any previous COA's not addressed within the updated COA's still apply. | 6/9/2025 |