

Well Name: MORGAN 25-13 FED COM	Well Location: T25S / R31E / SEC 25 / SWNW / 32.102253 / -103.735978	County or Parish/State: EDDY / NM
Well Number: 616H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC062300	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001555637	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Notice of Intent

Sundry ID: 2831322

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 01/13/2025	Time Sundry Submitted: 08:17
Date proposed operation will begin: 01/14/2025	

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to move the BHL on the subject well. Please see attached revised C102, Drill plan, and directional plan. Permitted BHL: NENW, 20 FNL, 1650 FWL, 13-25S-31E Proposed BHL: NWNW, 20 FNL, 1190 FWL, 13-25S-31E

NOI Attachments

- Procedure Description
- WA022390595_MORGAN_25_13_FED_COM_616H_WL_R1_SIGNED_20250113081356.pdf
 - MORGAN_25_13_FED_COM_616H_Directional_Plan_11_21_24_20250113081333.pdf
 - MORGAN_25_13_FED_COM_616H_20250113081315.pdf

Well Name: MORGAN 25-13 FED COM	Well Location: T25S / R31E / SEC 25 / SWNW / 32.102253 / -103.735978	County or Parish/State: EDDY / NM
Well Number: 616H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC062300	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001555637	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Conditions of Approval

Specialist Review

25_25_31_E_Sundry_ID_2831322_Morgan_25_13_Fed_Com_616H_20250122103802.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: JAN 13, 2025 08:14 AM
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: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 01/22/2025
Signature: Long Vo	

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.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

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

2. Name of Operator

3a. Address 3b. Phone No. (include area code)

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

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

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

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

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

THE SPACE FOR FEDERAL OR STATE 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: SWNW / 2284 FNL / 1305 FWL / TWSP: 25S / RANGE: 31E / SECTION: 25 / LAT: 32.102253 / LONG: -103.735978 (TVD: 0 feet, MD: 0 feet)
PPP: SENW / 2539 FNL / 1650 FWL / TWSP: 25S / RANGE: 31E / SECTION: 25 / LAT: 32.101554 / LONG: -103.734865 (TVD: 11645 feet, MD: 11790 feet)
PPP: SESW / 177 FSL / 1651 FWL / TWSP: 25S / RANGE: 31E / SECTION: 24 / LAT: 32.1090198 / LONG: -103.7348449 (TVD: 11720 feet, MD: 14300 feet)
PPP: SENW / 2502 FNL / 1649 FWL / TWSP: 25S / RANGE: 31E / SECTION: 24 / LAT: 32.1161668 / LONG: -103.7348276 (TVD: 11721 feet, MD: 16900 feet)
PPP: SESW / 198 FSL / 1647 FWL / TWSP: 25S / RANGE: 31E / SECTION: 13 / LAT: 32.1235887 / LONG: -103.7348097 (TVD: 11722 feet, MD: 19600 feet)
BHL: NENW / 20 FNL / 1650 FWL / TWSP: 25S / RANGE: 31E / SECTION: 13 / LAT: 32.137516 / LONG: -103.734776 (TVD: 11725 feet, MD: 24667 feet)

CONFIDENTIAL

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☒ Initial Submittal
				☐ Amended Report
		☐ As Drilled		

WELL LOCATION INFORMATION

API Number 30-015-55637	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code	Property Name MORGAN 25-13 FED COM	Well Number 616H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3338.5'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	25	25-S	31-E		2284' N	1305' W	32.102253	103.735978	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	13	25-S	31-E		20' N	1190' W	32.137510	103.736262	EDDY

Dedicated Acres 800.00	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers PENDING NSL			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	25	25-S	31-E		2594' N	1191' W	32.1013	-103.7364	EDDY

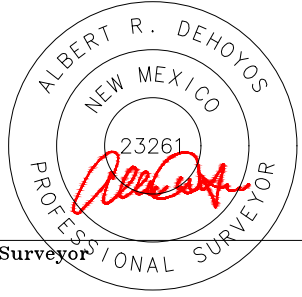
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	25	25-S	31-E		2540' N	1190' W	32.101551	103.736351	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	13	25-S	31-E		100' N	1190' W	32.137290	103.736262	EDDY

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
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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 or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. <i>Amy A. Brown</i> 01/08/2025 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 supervision, and that the same is true and correct to the best of my belief.  Signature and Seal of Professional Surveyor Certificate Number 23261 Date of Survey 10/2024	
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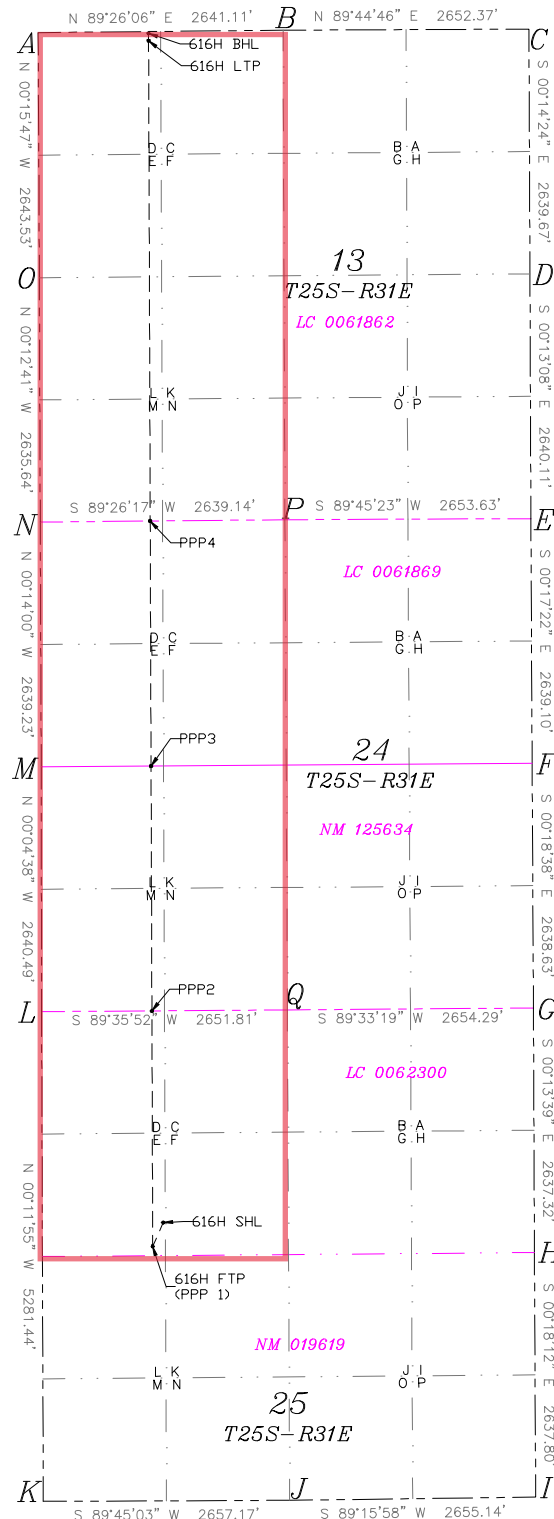
ACREAGE DEDICATION PLATS

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.

<u>SURFACE HOLE LOCATION</u> GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 2284' FNL 1305' FWL SECTION 25 EL: 3338.5' N:401448.78/E:726306.23 LAT:32.102253/LON:103.735978
<u>KICK OFF POINT</u> CALLS: 2594' FNL 1191' FWL N:401138.7/E:726193.2 LAT:32.10131/LON:103.7364
<u>FIRST TAKE POINT</u> 2540' FNL 1190' FWL SECTION 25 N:401192.46/E:726192.11 LAT:32.101551/LON:103.736351
<u>LAST TAKE POINT</u> 100' FNL 1190' FWL SECTION 13 N:414194.17/E:726147.58 LAT:32.137290/LON:103.736262
<u>BOTTOM HOLE LOCATION</u> 20' FNL 1190' FWL SECTION 13 N:414274.17/E:726147.22 LAT:32.137510/LON:103.736262
<u>PPP 2</u> 0' FNL 1190' FWL SECTION 25 N:403731.97/E:726183.42 LAT:32.108531/LON:103.736334
<u>PPP 3</u> 2640' FSL 1185' FWL SECTION 24 N:406372.46/E:726174.38 LAT:32.115790/LON:103.736316
<u>PPP 4</u> 0' FSL 1186' FWL SECTION 13 N:409015.49/E:726165.32 LAT:32.123055/LON:103.736298

A=N:414282.44	E:724957.17
B=N:414308.48	E:727598.15
C=N:414320.23	E:730250.50
D=N:411680.59	E:730261.56
E=N:409040.49	E:730271.65
F=N:406401.43	E:730284.99
G=N:403762.83	E:730299.28
H=N:401125.54	E:730309.76
I=N:398487.77	E:730323.72
J=N:398453.76	E:727668.80
K=N:398442.20	E:725011.65
L=N:403723.61	E:724993.33
M=N:406364.11	E:724989.78
N=N:409003.32	E:724979.03
O=N:411638.94	E:724969.31
P=N:409029.21	E:727618.04
Q=N:403742.23	E:727645.07

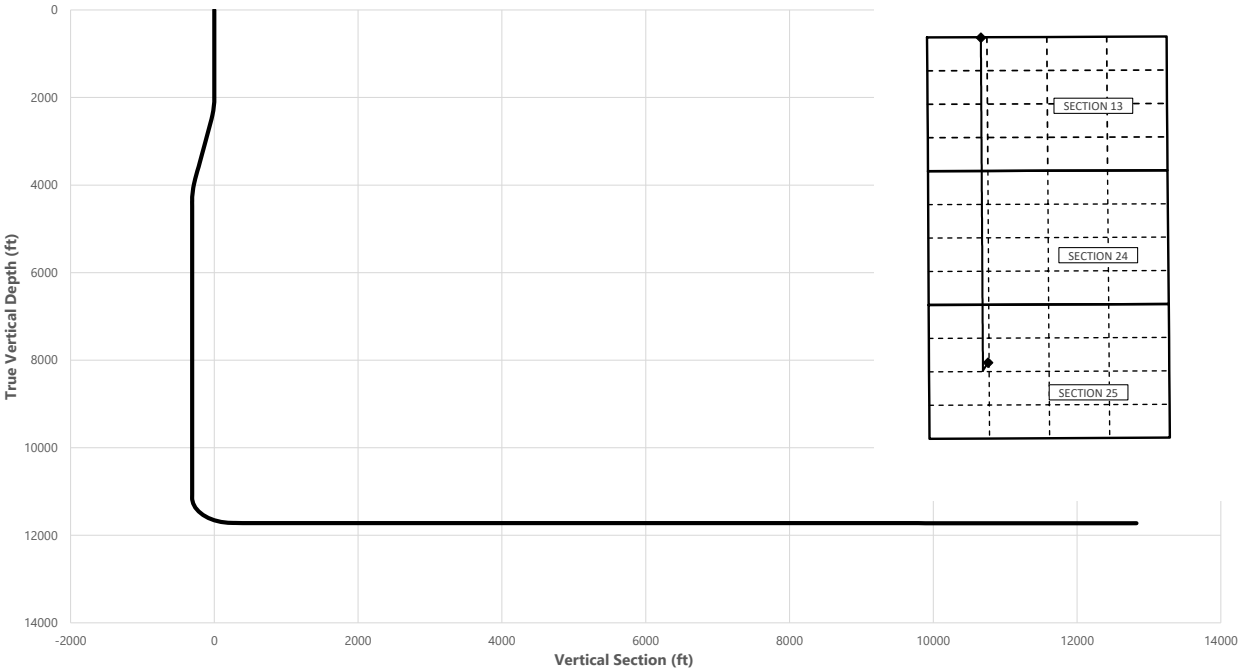




Well: MORGAN 25-13 FED COM 616H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	200.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	200.00	2497.47	-40.90	-14.89	-40.71	2.00	Hold Tangent
3903.99	10.00	200.00	3880.12	-269.99	-98.27	-268.76	0.00	Drop to Vertical
4403.99	0.00	200.00	4377.59	-310.89	-113.16	-309.47	2.00	Hold Vertical
11173.44	0.00	359.80	11147.04	-310.89	-113.16	-309.47	0.00	KOP
12073.21	89.98	359.80	11720.00	261.83	-115.15	263.24	10.00	Landing Point
24636.85	89.98	359.80	11725.00	12825.39	-159.01	12826.38	0.00	BHL



Key Depths	MD	TVD
	(ft)	(ft)
Rustler	945.00	945.00
Salt	1355.00	1355.00
Base of Salt	4077.69	4052.00
Delaware	4384.40	4358.00
Cherry Canyon	5347.40	5321.00
Brushy Canyon	6780.40	6754.00
Bone Spring 1st	9367.40	9341.00
Bone Spring 2nd	10002.40	9976.00
Bone Spring 3rd	11209.42	11183.00
Wolfcamp / Point of Penetration	11776.98	11645.00
exit	24556.85	11724.98

SHL
KOP
Point of Penetration
Exit
BHL

MD	TVD	Lat	Long	Section Footages
(ft)	(ft)	(°)	(°)	
0.00	0.00	32.1022	-103.7361	2284' FNL, 1305' FWL of Sec 25 in T25S, R31E
11173.44	11147.04	32.1013	-103.7364	2594' FNL, 1191' FWL of Sec 25 in T25S, R31E
11776.98	11645.00	32.1016	-103.7364	2540' FNL, 1190' FWL of Sec 25 in T25S, R31E
24556.85	11724.98	32.1373	-103.7363	100' FNL, 1190' FWL of Sec 13 in T25S, R31E
24636.85	11725.00	32.1374	-103.7363	20' FNL, 1190' FWL of Sec 13 in T25S, R31E

	Y	X	MD
KOP	401138	726193	11173.44

MORGAN 25-13 FED COM 616H



Well: MORGAN 25-13 FED COM 616H
 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
100.00	0.00	200.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	200.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	200.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	200.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	200.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	200.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	200.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	200.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	200.00	900.00	0.00	0.00	0.00	0.00	
945.00	0.00	200.00	945.00	0.00	0.00	0.00	0.00	Rustler
1000.00	0.00	200.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	200.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	200.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	200.00	1300.00	0.00	0.00	0.00	0.00	
1355.00	0.00	200.00	1355.00	0.00	0.00	0.00	0.00	Salt
1400.00	0.00	200.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	200.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	200.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	200.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	200.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	200.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	200.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	200.00	2099.98	-1.64	-0.60	-1.63	2.00	
2200.00	4.00	200.00	2199.84	-6.56	-2.39	-6.53	2.00	
2300.00	6.00	200.00	2299.45	-14.75	-5.37	-14.68	2.00	
2400.00	8.00	200.00	2398.70	-26.20	-9.54	-26.08	2.00	
2500.00	10.00	200.00	2497.47	-40.90	-14.89	-40.71	2.00	Hold Tangent
2600.00	10.00	200.00	2595.95	-57.22	-20.82	-56.95	0.00	
2700.00	10.00	200.00	2694.43	-73.53	-26.76	-73.20	0.00	
2800.00	10.00	200.00	2792.91	-89.85	-32.70	-89.44	0.00	
2900.00	10.00	200.00	2891.39	-106.17	-38.64	-105.68	0.00	
3000.00	10.00	200.00	2989.87	-122.49	-44.58	-121.92	0.00	
3100.00	10.00	200.00	3088.35	-138.80	-50.52	-138.17	0.00	
3200.00	10.00	200.00	3186.83	-155.12	-56.46	-154.41	0.00	
3300.00	10.00	200.00	3285.31	-171.44	-62.40	-170.65	0.00	
3400.00	10.00	200.00	3383.79	-187.76	-68.34	-186.89	0.00	
3500.00	10.00	200.00	3482.27	-204.07	-74.28	-203.14	0.00	
3600.00	10.00	200.00	3580.75	-220.39	-80.22	-219.38	0.00	
3700.00	10.00	200.00	3679.23	-236.71	-86.15	-235.62	0.00	
3800.00	10.00	200.00	3777.72	-253.03	-92.09	-251.87	0.00	
3900.00	10.00	200.00	3876.20	-269.34	-98.03	-268.11	0.00	
3903.99	10.00	200.00	3880.12	-269.99	-98.27	-268.76	0.00	Drop to Vertical
4000.00	8.08	200.00	3974.94	-284.17	-103.43	-282.87	2.00	
4077.69	6.53	200.00	4052.00	-293.45	-106.81	-292.10	2.00	Base of Salt
4100.00	6.08	200.00	4074.17	-295.75	-107.64	-294.39	2.00	
4200.00	4.08	200.00	4173.77	-304.07	-110.67	-302.68	2.00	
4300.00	2.08	200.00	4273.62	-309.12	-112.51	-307.70	2.00	
4384.40	0.39	200.00	4358.00	-310.83	-113.13	-309.40	2.00	Delaware
4400.00	0.08	200.00	4373.60	-310.89	-113.15	-309.46	2.00	
4403.99	0.00	200.00	4377.59	-310.89	-113.16	-309.47	2.00	Hold Vertical
4500.00	0.00	359.80	4473.60	-310.89	-113.16	-309.47	0.00	
4600.00	0.00	359.80	4573.60	-310.89	-113.16	-309.47	0.00	
4700.00	0.00	359.80	4673.60	-310.89	-113.16	-309.47	0.00	
4800.00	0.00	359.80	4773.60	-310.89	-113.16	-309.47	0.00	
4900.00	0.00	359.80	4873.60	-310.89	-113.16	-309.47	0.00	
5000.00	0.00	359.80	4973.60	-310.89	-113.16	-309.47	0.00	
5100.00	0.00	359.80	5073.60	-310.89	-113.16	-309.47	0.00	
5200.00	0.00	359.80	5173.60	-310.89	-113.16	-309.47	0.00	
5300.00	0.00	359.80	5273.60	-310.89	-113.16	-309.47	0.00	
5347.40	0.00	359.80	5321.00	-310.89	-113.16	-309.47	0.00	Cherry Canyon
5400.00	0.00	359.80	5373.60	-310.89	-113.16	-309.47	0.00	
5500.00	0.00	359.80	5473.60	-310.89	-113.16	-309.47	0.00	
5600.00	0.00	359.80	5573.60	-310.89	-113.16	-309.47	0.00	
5700.00	0.00	359.80	5673.60	-310.89	-113.16	-309.47	0.00	
5800.00	0.00	359.80	5773.60	-310.89	-113.16	-309.47	0.00	
5900.00	0.00	359.80	5873.60	-310.89	-113.16	-309.47	0.00	
6000.00	0.00	359.80	5973.60	-310.89	-113.16	-309.47	0.00	
6100.00	0.00	359.80	6073.60	-310.89	-113.16	-309.47	0.00	
6200.00	0.00	359.80	6173.60	-310.89	-113.16	-309.47	0.00	

MORGAN 25-13 FED COM 616H



Well: MORGAN 25-13 FED COM 616H
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
6300.00	0.00	359.80	6273.60	-310.89	-113.16	-309.47	0.00	
6400.00	0.00	359.80	6373.60	-310.89	-113.16	-309.47	0.00	
6500.00	0.00	359.80	6473.60	-310.89	-113.16	-309.47	0.00	
6600.00	0.00	359.80	6573.60	-310.89	-113.16	-309.47	0.00	
6700.00	0.00	359.80	6673.60	-310.89	-113.16	-309.47	0.00	
6780.40	0.00	359.80	6754.00	-310.89	-113.16	-309.47	0.00	Brushy Canyon
6800.00	0.00	359.80	6773.60	-310.89	-113.16	-309.47	0.00	
6900.00	0.00	359.80	6873.60	-310.89	-113.16	-309.47	0.00	
7000.00	0.00	359.80	6973.60	-310.89	-113.16	-309.47	0.00	
7100.00	0.00	359.80	7073.60	-310.89	-113.16	-309.47	0.00	
7200.00	0.00	359.80	7173.60	-310.89	-113.16	-309.47	0.00	
7300.00	0.00	359.80	7273.60	-310.89	-113.16	-309.47	0.00	
7400.00	0.00	359.80	7373.60	-310.89	-113.16	-309.47	0.00	
7500.00	0.00	359.80	7473.60	-310.89	-113.16	-309.47	0.00	
7600.00	0.00	359.80	7573.60	-310.89	-113.16	-309.47	0.00	
7700.00	0.00	359.80	7673.60	-310.89	-113.16	-309.47	0.00	
7800.00	0.00	359.80	7773.60	-310.89	-113.16	-309.47	0.00	
7900.00	0.00	359.80	7873.60	-310.89	-113.16	-309.47	0.00	
8000.00	0.00	359.80	7973.60	-310.89	-113.16	-309.47	0.00	
8100.00	0.00	359.80	8073.60	-310.89	-113.16	-309.47	0.00	
8200.00	0.00	359.80	8173.60	-310.89	-113.16	-309.47	0.00	
8300.00	0.00	359.80	8273.60	-310.89	-113.16	-309.47	0.00	
8400.00	0.00	359.80	8373.60	-310.89	-113.16	-309.47	0.00	
8500.00	0.00	359.80	8473.60	-310.89	-113.16	-309.47	0.00	
8600.00	0.00	359.80	8573.60	-310.89	-113.16	-309.47	0.00	
8700.00	0.00	359.80	8673.60	-310.89	-113.16	-309.47	0.00	
8800.00	0.00	359.80	8773.60	-310.89	-113.16	-309.47	0.00	
8900.00	0.00	359.80	8873.60	-310.89	-113.16	-309.47	0.00	
9000.00	0.00	359.80	8973.60	-310.89	-113.16	-309.47	0.00	
9100.00	0.00	359.80	9073.60	-310.89	-113.16	-309.47	0.00	
9200.00	0.00	359.80	9173.60	-310.89	-113.16	-309.47	0.00	
9300.00	0.00	359.80	9273.60	-310.89	-113.16	-309.47	0.00	
9367.40	0.00	359.80	9341.00	-310.89	-113.16	-309.47	0.00	Bone Spring 1st
9400.00	0.00	359.80	9373.60	-310.89	-113.16	-309.47	0.00	
9500.00	0.00	359.80	9473.60	-310.89	-113.16	-309.47	0.00	
9600.00	0.00	359.80	9573.60	-310.89	-113.16	-309.47	0.00	
9700.00	0.00	359.80	9673.60	-310.89	-113.16	-309.47	0.00	
9800.00	0.00	359.80	9773.60	-310.89	-113.16	-309.47	0.00	
9900.00	0.00	359.80	9873.60	-310.89	-113.16	-309.47	0.00	
10000.00	0.00	359.80	9973.60	-310.89	-113.16	-309.47	0.00	
10002.40	0.00	359.80	9976.00	-310.89	-113.16	-309.47	0.00	Bone Spring 2nd
10100.00	0.00	359.80	10073.60	-310.89	-113.16	-309.47	0.00	
10200.00	0.00	359.80	10173.60	-310.89	-113.16	-309.47	0.00	
10300.00	0.00	359.80	10273.60	-310.89	-113.16	-309.47	0.00	
10400.00	0.00	359.80	10373.60	-310.89	-113.16	-309.47	0.00	
10500.00	0.00	359.80	10473.60	-310.89	-113.16	-309.47	0.00	
10600.00	0.00	359.80	10573.60	-310.89	-113.16	-309.47	0.00	
10700.00	0.00	359.80	10673.60	-310.89	-113.16	-309.47	0.00	
10800.00	0.00	359.80	10773.60	-310.89	-113.16	-309.47	0.00	
10900.00	0.00	359.80	10873.60	-310.89	-113.16	-309.47	0.00	
11000.00	0.00	359.80	10973.60	-310.89	-113.16	-309.47	0.00	
11100.00	0.00	359.80	11073.60	-310.89	-113.16	-309.47	0.00	
11173.44	0.00	359.80	11147.04	-310.89	-113.16	-309.47	0.00	KOP
11200.00	2.66	359.80	11173.59	-310.28	-113.16	-308.85	10.00	
11209.42	3.60	359.80	11183.00	-309.76	-113.16	-308.34	10.00	Bone Spring 3rd
11300.00	12.66	359.80	11272.57	-296.97	-113.20	-295.55	10.00	
11400.00	22.66	359.80	11367.74	-266.68	-113.31	-265.25	10.00	
11500.00	32.66	359.80	11456.21	-220.32	-113.47	-218.90	10.00	
11600.00	42.66	359.80	11535.27	-159.31	-113.69	-157.89	10.00	
11700.00	52.66	359.80	11602.55	-85.49	-113.94	-84.07	10.00	
11776.98	60.35	359.80	11645.00	-21.34	-114.17	-19.92	10.00	Wolfcamp / Point of Penetration
11800.00	62.66	359.80	11655.98	-1.11	-114.24	0.30	10.00	
11900.00	72.66	359.80	11693.95	91.26	-114.56	92.67	10.00	
12000.00	82.66	359.80	11715.30	188.82	-114.90	190.23	10.00	
12073.21	89.98	359.80	11720.00	261.83	-115.15	263.24	10.00	Landing Point
12100.00	89.98	359.80	11720.01	288.62	-115.25	290.03	0.00	
12200.00	89.98	359.80	11720.05	388.62	-115.60	390.02	0.00	
12300.00	89.98	359.80	11720.09	488.62	-115.95	490.02	0.00	
12400.00	89.98	359.80	11720.13	588.62	-116.30	590.02	0.00	
12500.00	89.98	359.80	11720.17	688.62	-116.65	690.01	0.00	

MORGAN 25-13 FED COM 616H



Well: MORGAN 25-13 FED COM 616H
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
12600.00	89.98	359.80	11720.21	788.62	-117.00	790.01	0.00	
12700.00	89.98	359.80	11720.25	888.62	-117.35	890.00	0.00	
12800.00	89.98	359.80	11720.29	988.62	-117.70	990.00	0.00	
12900.00	89.98	359.80	11720.33	1088.62	-118.05	1090.00	0.00	
13000.00	89.98	359.80	11720.37	1188.62	-118.39	1189.99	0.00	
13100.00	89.98	359.80	11720.41	1288.62	-118.74	1289.99	0.00	
13200.00	89.98	359.80	11720.45	1388.61	-119.09	1389.98	0.00	
13300.00	89.98	359.80	11720.49	1488.61	-119.44	1489.98	0.00	
13400.00	89.98	359.80	11720.53	1588.61	-119.79	1589.98	0.00	
13500.00	89.98	359.80	11720.57	1688.61	-120.14	1689.97	0.00	
13600.00	89.98	359.80	11720.61	1788.61	-120.49	1789.97	0.00	
13700.00	89.98	359.80	11720.65	1888.61	-120.84	1889.96	0.00	
13800.00	89.98	359.80	11720.69	1988.61	-121.19	1989.96	0.00	
13900.00	89.98	359.80	11720.73	2088.61	-121.54	2089.96	0.00	
14000.00	89.98	359.80	11720.77	2188.61	-121.89	2189.95	0.00	
14100.00	89.98	359.80	11720.81	2288.61	-122.24	2289.95	0.00	
14200.00	89.98	359.80	11720.85	2388.61	-122.59	2389.94	0.00	
14300.00	89.98	359.80	11720.89	2488.61	-122.94	2489.94	0.00	
14400.00	89.98	359.80	11720.93	2588.61	-123.29	2589.94	0.00	
14500.00	89.98	359.80	11720.97	2688.61	-123.64	2689.93	0.00	
14600.00	89.98	359.80	11721.01	2788.61	-123.99	2789.93	0.00	
14700.00	89.98	359.80	11721.05	2888.61	-124.34	2889.93	0.00	
14800.00	89.98	359.80	11721.09	2988.60	-124.69	2989.92	0.00	
14900.00	89.98	359.80	11721.13	3088.60	-125.04	3089.92	0.00	
15000.00	89.98	359.80	11721.17	3188.60	-125.39	3189.91	0.00	
15100.00	89.98	359.80	11721.21	3288.60	-125.74	3289.91	0.00	
15200.00	89.98	359.80	11721.25	3388.60	-126.09	3389.91	0.00	
15300.00	89.98	359.80	11721.29	3488.60	-126.44	3489.90	0.00	
15400.00	89.98	359.80	11721.33	3588.60	-126.79	3589.90	0.00	
15500.00	89.98	359.80	11721.37	3688.60	-127.13	3689.89	0.00	
15600.00	89.98	359.80	11721.41	3788.60	-127.48	3789.89	0.00	
15700.00	89.98	359.80	11721.45	3888.60	-127.83	3889.89	0.00	
15800.00	89.98	359.80	11721.49	3988.60	-128.18	3989.88	0.00	
15900.00	89.98	359.80	11721.53	4088.60	-128.53	4089.88	0.00	
16000.00	89.98	359.80	11721.57	4188.60	-128.88	4189.87	0.00	
16100.00	89.98	359.80	11721.61	4288.60	-129.23	4289.87	0.00	
16200.00	89.98	359.80	11721.65	4388.60	-129.58	4389.87	0.00	
16300.00	89.98	359.80	11721.69	4488.60	-129.93	4489.86	0.00	
16400.00	89.98	359.80	11721.73	4588.60	-130.28	4589.86	0.00	
16500.00	89.98	359.80	11721.77	4688.59	-130.63	4689.85	0.00	
16600.00	89.98	359.80	11721.81	4788.59	-130.98	4789.85	0.00	
16700.00	89.98	359.80	11721.85	4888.59	-131.33	4889.85	0.00	
16800.00	89.98	359.80	11721.89	4988.59	-131.68	4989.84	0.00	
16900.00	89.98	359.80	11721.93	5088.59	-132.03	5089.84	0.00	
17000.00	89.98	359.80	11721.97	5188.59	-132.38	5189.83	0.00	
17100.00	89.98	359.80	11722.01	5288.59	-132.73	5289.83	0.00	
17200.00	89.98	359.80	11722.05	5388.59	-133.08	5389.83	0.00	
17300.00	89.98	359.80	11722.09	5488.59	-133.43	5489.82	0.00	
17400.00	89.98	359.80	11722.13	5588.59	-133.78	5589.82	0.00	
17500.00	89.98	359.80	11722.17	5688.59	-134.13	5689.81	0.00	
17600.00	89.98	359.80	11722.21	5788.59	-134.48	5789.81	0.00	
17700.00	89.98	359.80	11722.25	5888.59	-134.83	5889.81	0.00	
17800.00	89.98	359.80	11722.29	5988.59	-135.18	5989.80	0.00	
17900.00	89.98	359.80	11722.33	6088.59	-135.52	6089.80	0.00	
18000.00	89.98	359.80	11722.37	6188.59	-135.87	6189.79	0.00	
18100.00	89.98	359.80	11722.41	6288.58	-136.22	6289.79	0.00	
18200.00	89.98	359.80	11722.45	6388.58	-136.57	6389.79	0.00	
18300.00	89.98	359.80	11722.49	6488.58	-136.92	6489.78	0.00	
18400.00	89.98	359.80	11722.53	6588.58	-137.27	6589.78	0.00	
18500.00	89.98	359.80	11722.57	6688.58	-137.62	6689.77	0.00	
18600.00	89.98	359.80	11722.61	6788.58	-137.97	6789.77	0.00	
18700.00	89.98	359.80	11722.65	6888.58	-138.32	6889.77	0.00	
18800.00	89.98	359.80	11722.69	6988.58	-138.67	6989.76	0.00	
18900.00	89.98	359.80	11722.73	7088.58	-139.02	7089.76	0.00	
19000.00	89.98	359.80	11722.77	7188.58	-139.37	7189.75	0.00	
19100.00	89.98	359.80	11722.81	7288.58	-139.72	7289.75	0.00	
19200.00	89.98	359.80	11722.84	7388.58	-140.07	7389.75	0.00	
19300.00	89.98	359.80	11722.88	7488.58	-140.42	7489.74	0.00	
19400.00	89.98	359.80	11722.92	7588.58	-140.77	7589.74	0.00	
19500.00	89.98	359.80	11722.96	7688.58	-141.12	7689.73	0.00	

MORGAN 25-13 FED COM 616H



Well: MORGAN 25-13 FED COM 616H
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
19600.00	89.98	359.80	11723.00	7788.58	-141.47	7789.73	0.00	
19700.00	89.98	359.80	11723.04	7888.57	-141.82	7889.73	0.00	
19800.00	89.98	359.80	11723.08	7988.57	-142.17	7989.72	0.00	
19900.00	89.98	359.80	11723.12	8088.57	-142.52	8089.72	0.00	
20000.00	89.98	359.80	11723.16	8188.57	-142.87	8189.71	0.00	
20100.00	89.98	359.80	11723.20	8288.57	-143.22	8289.71	0.00	
20200.00	89.98	359.80	11723.24	8388.57	-143.57	8389.71	0.00	
20300.00	89.98	359.80	11723.28	8488.57	-143.92	8489.70	0.00	
20400.00	89.98	359.80	11723.32	8588.57	-144.26	8589.70	0.00	
20500.00	89.98	359.80	11723.36	8688.57	-144.61	8689.69	0.00	
20600.00	89.98	359.80	11723.40	8788.57	-144.96	8789.69	0.00	
20700.00	89.98	359.80	11723.44	8888.57	-145.31	8889.69	0.00	
20800.00	89.98	359.80	11723.48	8988.57	-145.66	8989.68	0.00	
20900.00	89.98	359.80	11723.52	9088.57	-146.01	9089.68	0.00	
21000.00	89.98	359.80	11723.56	9188.57	-146.36	9189.67	0.00	
21100.00	89.98	359.80	11723.60	9288.57	-146.71	9289.67	0.00	
21200.00	89.98	359.80	11723.64	9388.57	-147.06	9389.67	0.00	
21300.00	89.98	359.80	11723.68	9488.56	-147.41	9489.66	0.00	
21400.00	89.98	359.80	11723.72	9588.56	-147.76	9589.66	0.00	
21500.00	89.98	359.80	11723.76	9688.56	-148.11	9689.66	0.00	
21600.00	89.98	359.80	11723.80	9788.56	-148.46	9789.65	0.00	
21700.00	89.98	359.80	11723.84	9888.56	-148.81	9889.65	0.00	
21800.00	89.98	359.80	11723.88	9988.56	-149.16	9989.64	0.00	
21900.00	89.98	359.80	11723.92	10088.56	-149.51	10089.64	0.00	
22000.00	89.98	359.80	11723.96	10188.56	-149.86	10189.64	0.00	
22100.00	89.98	359.80	11724.00	10288.56	-150.21	10289.63	0.00	
22200.00	89.98	359.80	11724.04	10388.56	-150.56	10389.63	0.00	
22300.00	89.98	359.80	11724.08	10488.56	-150.91	10489.62	0.00	
22400.00	89.98	359.80	11724.12	10588.56	-151.26	10589.62	0.00	
22500.00	89.98	359.80	11724.16	10688.56	-151.61	10689.62	0.00	
22600.00	89.98	359.80	11724.20	10788.56	-151.96	10789.61	0.00	
22700.00	89.98	359.80	11724.24	10888.56	-152.31	10889.61	0.00	
22800.00	89.98	359.80	11724.28	10988.56	-152.66	10989.60	0.00	
22900.00	89.98	359.80	11724.32	11088.55	-153.00	11089.60	0.00	
23000.00	89.98	359.80	11724.36	11188.55	-153.35	11189.60	0.00	
23100.00	89.98	359.80	11724.40	11288.55	-153.70	11289.59	0.00	
23200.00	89.98	359.80	11724.44	11388.55	-154.05	11389.59	0.00	
23300.00	89.98	359.80	11724.48	11488.55	-154.40	11489.58	0.00	
23400.00	89.98	359.80	11724.52	11588.55	-154.75	11589.58	0.00	
23500.00	89.98	359.80	11724.56	11688.55	-155.10	11689.58	0.00	
23600.00	89.98	359.80	11724.60	11788.55	-155.45	11789.57	0.00	
23700.00	89.98	359.80	11724.64	11888.55	-155.80	11889.57	0.00	
23800.00	89.98	359.80	11724.68	11988.55	-156.15	11989.56	0.00	
23900.00	89.98	359.80	11724.72	12088.55	-156.50	12089.56	0.00	
24000.00	89.98	359.80	11724.76	12188.55	-156.85	12189.56	0.00	
24100.00	89.98	359.80	11724.80	12288.55	-157.20	12289.55	0.00	
24200.00	89.98	359.80	11724.84	12388.55	-157.55	12389.55	0.00	
24300.00	89.98	359.80	11724.88	12488.55	-157.90	12489.54	0.00	
24400.00	89.98	359.80	11724.92	12588.55	-158.25	12589.54	0.00	
24500.00	89.98	359.80	11724.96	12688.54	-158.60	12689.54	0.00	
24556.85	89.98	359.80	11724.98	12745.39	-158.80	12746.38	0.00	exit
24600.00	89.98	359.80	11725.00	12788.54	-158.95	12789.53	0.00	
24636.85	89.98	359.80	11725.00	12825.39	-159.01	12826.38	0.00	BHL

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1. Geologic Formations

TVD of target	11725	Pilot hole depth	N/A
MD at TD:	24637	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	945		
Salt	1355		
Base of Salt	4052		
Delaware	4358		
Cherry Canyon	5321		
Brushy Canyon	6754		
Bone Spring 1st	9341		
Bone Spring 2nd	9976		
Bone Spring 3rd	11183		
Wolfcamp	11645		

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

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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	970	0	970
9 7/8	8 5/8	32	P110	Sprint FJ	0	11073	0	11073
7 7/8	5 1/2	20	P110	DWC / C-IS+	0	24637	0	11725

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

3. Cementing Program (Primary Design)

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	586	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	475	Surf	13.0	2.3	2nd State: Bradenhead Squeeze - Lead: Class C Cement + additives
	499	6780	13.2	1.44	Tail: Class H / C + additives
Production	117	9173	9	3.27	Lead: Class H / C + additives
	1782	11173	13.2	1.44	Tail: Class H / C + additives

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

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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 (5M)		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*			
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					

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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 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	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	Specify what type and where?
BH pressure at deepest TVD	6402
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	H ₂ S is present
Y	H ₂ S plan attached.

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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. At 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

X Directional Plan
 Other, describe

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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	vam sprint fj	2.10	0.66	1.12	11,073	1	1.87	1.11	354,336
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 173								Totals:		11,073		354,336
The cement volume(s) are intended to achieve a top of 0						ft from surface or a		1030			overlap.	
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg	
9 7/8	0.1261	499	719	1405	-49	10.50	3816	5M			0.61	
r D V Tool(s):			6754				sum of sx	Σ CuFt			Σ%excess	
t by stage % :		32	27				974	1811			29	
Class 'C' tail cmt yld > 1.35												

Tail cmt		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+	3.11	1.89	2.25	24,637	2	3.76	3.17	492,740
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,580								Totals:	24,637			492,740
The cement volume(s) are intended to achieve a top of								10873	ft from surface or a		200	overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
7 7/8	0.1733	1899	2949	2385	24	10.50						0.79
Class 'C' tail cmt yld > 1.35												

#N/A											
0	5 1/2										
Design Factors											
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	<Choose Casing>			Weight
"A"			0.00				0	B@s	a-B	a-C	0
"B"			0.00				0				0
w/8.4#/g mud, 30min 5fc Csg Test psig:							Totals:	0	0		
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	ft from surface or a	Drilling Mud Wt	Calc MASP	Req'd BOPE	overlap.	
0		#N/A	#N/A	0	#N/A					Min Dist Hole-Cplg	
#N/A Capitan Reef est top XXXX.											

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

CONDITIONS

Action 423608

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 423608
	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.	4/1/2025