

Well Name: SERPENTINE 35-26 FED COM	Well Location: T22S / R33E / SEC 35 / NWSW / 32.345371 / -103.549508	County or Parish/State: LEA / NM
Well Number: 6H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM113969	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551460	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Notice of Intent

Sundry ID: 2794607

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 06/11/2024	Time Sundry Submitted: 08:45
Date proposed operation will begin: 06/11/2024	

**Procedure Description:** Engineering Only - Devon Energy Production Company L.P. respectfully requests the following changes to the approved APD: BHL change from 20 FNL & 1254 FWL to 20 FNL & 1200 FWL, both 26-22S-33E. Offline cement and break test variance request. Please see attached revised C-102, drilling & directional plans.

NOI Attachments

Procedure Description

- BOP\_Break\_Test\_Variance\_\_\_Intermediate\_Casing\_20240611084336.pdf
- SERPENTINE\_35\_26\_FED\_COM\_6H\_C\_102\_BHL\_NOI\_20240611084056.pdf
- SERPENTINE\_35\_26\_Fed\_Com\_6H\_Directional\_Plan\_06\_06\_24\_20240611084055.pdf
- SERPENTINE\_35\_26\_Fed\_Com\_6H\_R6\_20240611084055.pdf

Received by OCD: 1/8/2025 9:20:08 AM

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US Well Number: 3002551460	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Conditions of Approval

Specialist Review

Serpentine\_35\_26\_Fed\_Com\_6H\_Sundry\_ID\_2794607\_20240626081845.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: REBECCA DEAL	Signed on: JUN 11, 2024 08:41 AM
Name: DEVON ENERGY PRODUCTION COMPANY LP	
Title: Regulatory Professional	
Street Address: 333 W SHERIDAN AVE	
City: OKLAHOMA CITY	State: OK
Phone: (405) 228-8429	
Email address: REBECCA.DEAL@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: 06/26/2024
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
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

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

<b>THE SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
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: NWSW / 1596 FSL / 681 FWL / TWSP: 22S / RANGE: 33E / SECTION: 35 / LAT: 32.345371 / LONG: -103.549508 ( TVD: 0 feet, MD: 0 feet )

PPP: NWSW / 1419 FSL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 35 / LAT: 32.344877 / LONG: -103.547651 ( TVD: 8981 feet, MD: 9032 feet )

PPP: SWSW / 200 FSL / 1260 FWL / TWSP: 22S / RANGE: 33E / SECTION: 26 / LAT: 32.3560241 / LONG: -103.5476642 ( TVD: 9550 feet, MD: 13900 feet )

BHL: NWNW / 20 FNL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 26 / LAT: 32.369934 / LONG: -103.547684 ( TVD: 9550 feet, MD: 18495 feet )

CONFIDENTIAL

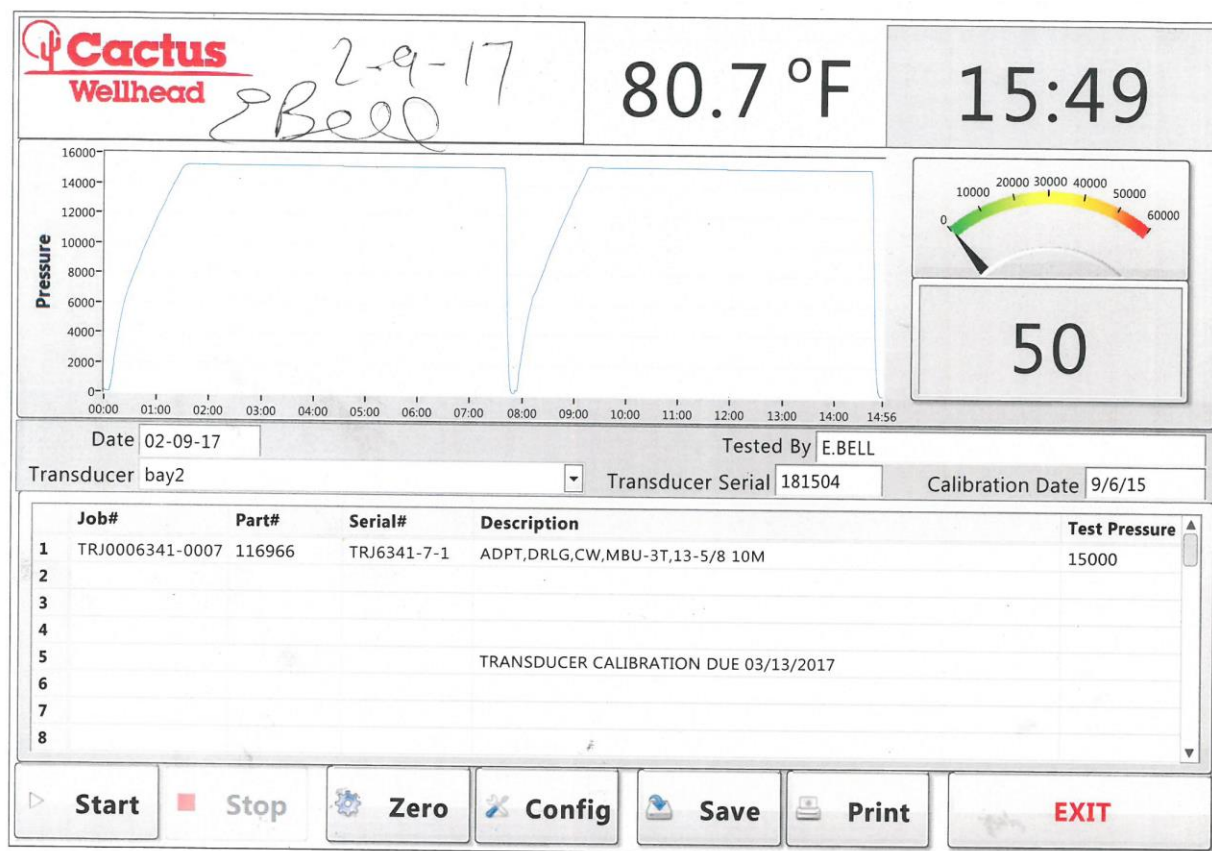
**BOP Break Test Variance – Intermediate Casing**

Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner.

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of BOP to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, or before the expiration of the allotted 14-days for 5M intermediate batch drilling, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered.

**Well Control Response:**

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



Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>		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 30-025-51460	Pool Code 7320	Pool Name BRINNINSTOOL;BONE SPRING
Property Code 333939	Property Name SERPENTINE 35-26 FED COM	Well Number 6H
6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3574.0'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

## Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	35	22-S	33-E		1596' S	681' W	32.345371	103.549508	LEA

## Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	26	22-S	33-E		20' N	1200' W	32.369934	103.547859	LEA

Dedicated Acres 600	Infill or Defining Well Infill	Defining Well API 30-025-51406	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers			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
	35	22S	33E		1385 FSL	1205 FSL	32.3447	-103.5479	LEA

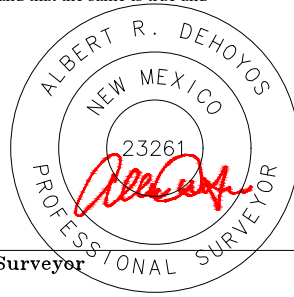
## First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	35	22-S	33-E		1419' S	1200' W	32.344877	103.547826	LEA

## Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	26	22-S	33-E		100' N	1200' W	32.369714	103.547859	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
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<b>OPERATOR CERTIFICATIONS</b> 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.		<b>SURVEYOR CERTIFICATIONS</b> 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 <i>Rebecca Deal</i>	Date 1/7/2025	Signature and Seal of Professional Surveyor 	
Printed Name Rebecca Deal, Regulatory Analyst			
Email Address rebecca.deal@dv.com		Certificate Number 23261	Date of Survey 05/2024



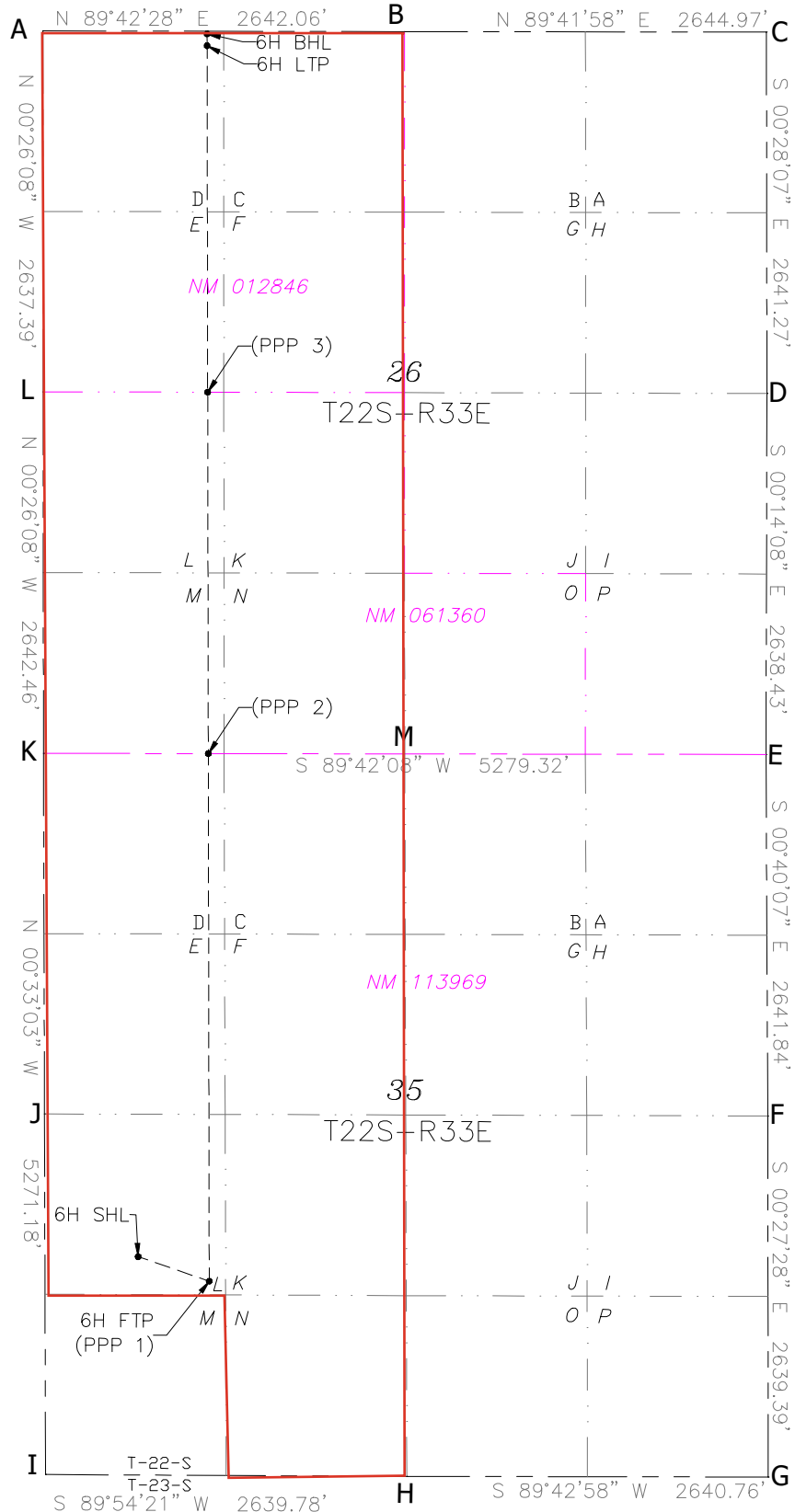
## ACREAGE DEDICATION PLATS

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.

SERPENTINE 35-26 FED COM 6H GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 1596' FSL 681' FWL SECTION 35 EL: 3574.0' N:490263.97/E:783402.11 LAT:32.345371/LON:103.549508
KICK OFF POINT CALLS: J382' FSL J205' FWL N: 783927.224/E: 490051.8102 LAT: 32.3447 / LON: 103.5479
FIRST TAKE POINT 1419' FSL 1200' FWL SECTION 35 N:490088.01/E:783922.83 LAT:32.344877/LON:103.547826
LAST TAKE POINT 100' FNL 1200' FWL SECTION 26 N:499123.62/E:783846.37 LAT:32.369714/LON:103.547859
BOTTOM HOLE LOCATION 20' FNL 1200' FWL SECTION 26 N:499203.62/E:783845.76 LAT:32.369934/LON:103.547859
PPP 2 0' FNL 1204' FWL SECTION 35 N:493944.07/E:783890.20 LAT:32.355477/LON:103.547840
PPP 3 2638' FSL 1202' FWL SECTION 26 N:496585.53/E:783867.84 LAT:32.362737/LON:103.547850

A= N:499217.50 E:782645.62
B= N:499230.97 E:785287.64
C= N:499244.84 E:787932.57
D= N:496603.66 E:787954.17
E= N:493965.26 E:787965.01
F= N:491323.60 E:787995.85
G= N:488684.30 E:788016.94
H= N:488671.21 E:785376.21
I= N:488666.88 E:782736.43
J= N:491302.34 E:782711.10
K= N:493937.81 E:782685.76
L= N:496580.19 E:782665.67
M= N:493951.53 E:785325.39





Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: SERPENTINE 35-26 FED COM	Well Number 6H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL L	Section 35	Township 22-S	Range 33-E	Lot	Feet 1419	From N/S SOUTH	Feet 1200	From E/W WEST	County LEA
Latitude 32.344877					Longitude 103.547826				NAD 83

Last Take Point (LTP)

UL D	Section 26	Township 22-S	Range 33-E	Lot	Feet 100	From N/S NORTH	Feet 1200	From E/W WEST	County LEA
Latitude 32.369714					Longitude 103.547859				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☒Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name: Devon Energy Production Company, L.P.	Property Name: Serpentine 35 26 Fed Com	Well Number 9H

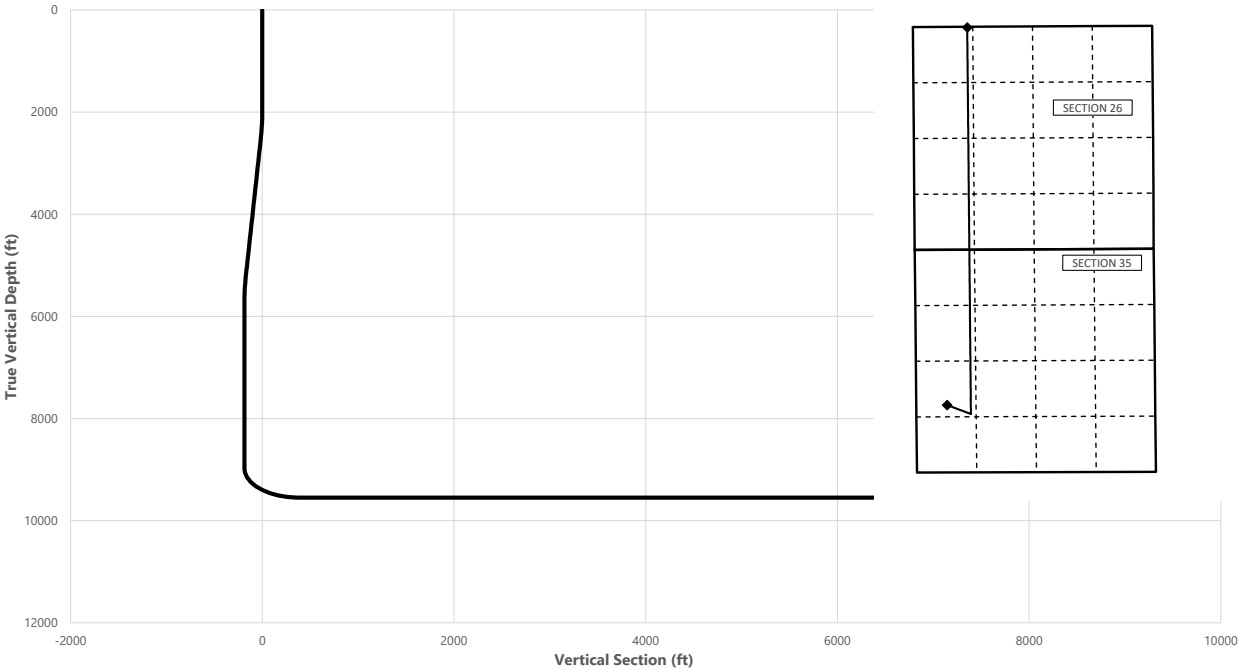
KZ 06/29/2018



Well: SERPENTINE 35-26 Fed Com 6H  
County: Lea  
Wellbore: Permit Plan  
Design: Permit Plan #1

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

MD	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	112.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	112.00	2497.47	-16.30	40.35	-14.28	2.00	Hold Tangent
5260.23	10.00	112.00	5215.76	-195.86	484.76	-171.59	0.00	Drop to Vertical
5760.23	0.00	112.00	5713.22	-212.16	525.11	-185.87	2.00	Hold Vertical
9024.05	0.00	359.49	8977.04	-212.16	525.11	-185.87	0.00	KOP
9924.05	90.00	359.49	9550.00	360.78	520.01	386.11	10.00	Landing Point
18503.26	90.00	359.49	9550.00	8939.65	443.65	8950.65	0.00	BHL



Key Depths	MD	TVD
	(ft)	(ft)
Rustler	952.00	952.00
Salt	1233.00	1233.00
Base of Salt	5110.19	5068.00
Delaware	5110.19	5068.00
Cherry Canyon	5965.00	5918.00
Brushy Canyon	7366.00	7319.00
1st Bone Spring Lime / Point of Pene	9028.00	8981.00
exit	18423.26	9550.01

SHL  
KOP  
Point of Penetration  
Exit  
BHL

MD	TVD	Lat	Long	Section Footages
(ft)	(ft)	(°)	(°)	
0.00	0.00	32.3453	-103.5496	1596' FSL, 681' FWL of Sec 35 in T22S, R33E
9024.05	8977.04	32.3447	-103.5479	1382' FSL, 1205' FWL of Sec 35 in T22S, R33E
9028.00	8981.00	32.3697	-103.5478	1419' FSL, 1200' FWL of Sec 35 in T22S, R33E
18423.26	9550.01	32.3970	-103.5479	100' FNL, 1200' FWL of Sec 26 in T22S, R33E
18503.26	9550.00	32.3698	-103.5479	20' FNL, 1200' FWL of Sec 26 in T22S, R33E

SERPENTINE 35-26 Fed Com 6H



Well: SERPENTINE 35-26 Fed Com 6H  
 County: Lea  
 Wellbore: Permit Plan  
 Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	112.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	112.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	112.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	112.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	112.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	112.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	112.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	112.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	112.00	900.00	0.00	0.00	0.00	0.00	
952.00	0.00	112.00	952.00	0.00	0.00	0.00	0.00	Rustler
1000.00	0.00	112.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	112.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	112.00	1200.00	0.00	0.00	0.00	0.00	
1233.00	0.00	112.00	1233.00	0.00	0.00	0.00	0.00	Salt
1300.00	0.00	112.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	112.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	112.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	112.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	112.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	112.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	112.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	112.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	112.00	2099.98	-0.65	1.62	-0.57	2.00	
2200.00	4.00	112.00	2199.84	-2.61	6.47	-2.29	2.00	
2300.00	6.00	112.00	2299.45	-5.88	14.55	-5.15	2.00	
2400.00	8.00	112.00	2398.70	-10.44	25.85	-9.15	2.00	
2500.00	10.00	112.00	2497.47	-16.30	40.35	-14.28	2.00	Hold Tangent
2600.00	10.00	112.00	2595.95	-22.81	56.45	-19.98	0.00	
2700.00	10.00	112.00	2694.43	-29.31	72.55	-25.68	0.00	
2800.00	10.00	112.00	2792.91	-35.82	88.65	-31.38	0.00	
2900.00	10.00	112.00	2891.39	-42.32	104.75	-37.08	0.00	
3000.00	10.00	112.00	2989.87	-48.83	120.86	-42.78	0.00	
3100.00	10.00	112.00	3088.35	-55.33	136.96	-48.48	0.00	
3200.00	10.00	112.00	3186.83	-61.84	153.06	-54.18	0.00	
3300.00	10.00	112.00	3285.31	-68.34	169.16	-59.87	0.00	
3400.00	10.00	112.00	3383.79	-74.85	185.26	-65.57	0.00	
3500.00	10.00	112.00	3482.27	-81.35	201.36	-71.27	0.00	
3600.00	10.00	112.00	3580.75	-87.86	217.46	-76.97	0.00	
3700.00	10.00	112.00	3679.23	-94.36	233.56	-82.67	0.00	
3800.00	10.00	112.00	3777.72	-100.87	249.66	-88.37	0.00	
3900.00	10.00	112.00	3876.20	-107.37	265.76	-94.07	0.00	
4000.00	10.00	112.00	3974.68	-113.88	281.86	-99.77	0.00	
4100.00	10.00	112.00	4073.16	-120.38	297.96	-105.47	0.00	
4200.00	10.00	112.00	4171.64	-126.89	314.06	-111.16	0.00	
4300.00	10.00	112.00	4270.12	-133.39	330.16	-116.86	0.00	
4400.00	10.00	112.00	4368.60	-139.90	346.26	-122.56	0.00	
4500.00	10.00	112.00	4467.08	-146.40	362.36	-128.26	0.00	
4600.00	10.00	112.00	4565.56	-152.91	378.46	-133.96	0.00	
4700.00	10.00	112.00	4664.04	-159.41	394.56	-139.66	0.00	
4800.00	10.00	112.00	4762.52	-165.92	410.66	-145.36	0.00	
4900.00	10.00	112.00	4861.00	-172.42	426.76	-151.06	0.00	
5000.00	10.00	112.00	4959.48	-178.93	442.86	-156.76	0.00	
5100.00	10.00	112.00	5057.97	-185.43	458.96	-162.45	0.00	
5110.19	10.00	112.00	5068.00	-186.10	460.60	-163.04	0.00	Base of Salt, Delaware
5200.00	10.00	112.00	5156.45	-191.94	475.06	-168.15	0.00	
5260.23	10.00	112.00	5215.76	-195.86	484.76	-171.59	0.00	Drop to Vertical
5300.00	9.20	112.00	5254.97	-198.34	490.91	-173.76	2.00	
5400.00	7.20	112.00	5353.95	-203.69	504.14	-178.45	2.00	
5500.00	5.20	112.00	5453.35	-207.74	514.16	-181.99	2.00	
5600.00	3.20	112.00	5553.08	-210.48	520.96	-184.40	2.00	
5700.00	1.20	112.00	5653.00	-211.92	524.53	-185.66	2.00	
5760.23	0.00	112.00	5713.22	-212.16	525.11	-185.87	2.00	Hold Vertical
5800.00	0.00	359.49	5753.00	-212.16	525.11	-185.87	0.00	
5900.00	0.00	359.49	5853.00	-212.16	525.11	-185.87	0.00	
5965.00	0.00	359.49	5918.00	-212.16	525.11	-185.87	0.00	Cherry Canyon
6000.00	0.00	359.49	5953.00	-212.16	525.11	-185.87	0.00	
6100.00	0.00	359.49	6053.00	-212.16	525.11	-185.87	0.00	
6200.00	0.00	359.49	6153.00	-212.16	525.11	-185.87	0.00	
6300.00	0.00	359.49	6253.00	-212.16	525.11	-185.87	0.00	

SERPENTINE 35-26 Fed Com 6H



**Well:** SERPENTINE 35-26 Fed Com 6H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6400.00	0.00	359.49	6353.00	-212.16	525.11	-185.87	0.00	
6500.00	0.00	359.49	6453.00	-212.16	525.11	-185.87	0.00	
6600.00	0.00	359.49	6553.00	-212.16	525.11	-185.87	0.00	
6700.00	0.00	359.49	6653.00	-212.16	525.11	-185.87	0.00	
6800.00	0.00	359.49	6753.00	-212.16	525.11	-185.87	0.00	
6900.00	0.00	359.49	6853.00	-212.16	525.11	-185.87	0.00	
7000.00	0.00	359.49	6953.00	-212.16	525.11	-185.87	0.00	
7100.00	0.00	359.49	7053.00	-212.16	525.11	-185.87	0.00	
7200.00	0.00	359.49	7153.00	-212.16	525.11	-185.87	0.00	
7300.00	0.00	359.49	7253.00	-212.16	525.11	-185.87	0.00	
7366.00	0.00	359.49	7319.00	-212.16	525.11	-185.87	0.00	Brushy Canyon
7400.00	0.00	359.49	7353.00	-212.16	525.11	-185.87	0.00	
7500.00	0.00	359.49	7453.00	-212.16	525.11	-185.87	0.00	
7600.00	0.00	359.49	7553.00	-212.16	525.11	-185.87	0.00	
7700.00	0.00	359.49	7653.00	-212.16	525.11	-185.87	0.00	
7800.00	0.00	359.49	7753.00	-212.16	525.11	-185.87	0.00	
7900.00	0.00	359.49	7853.00	-212.16	525.11	-185.87	0.00	
8000.00	0.00	359.49	7953.00	-212.16	525.11	-185.87	0.00	
8100.00	0.00	359.49	8053.00	-212.16	525.11	-185.87	0.00	
8200.00	0.00	359.49	8153.00	-212.16	525.11	-185.87	0.00	
8300.00	0.00	359.49	8253.00	-212.16	525.11	-185.87	0.00	
8400.00	0.00	359.49	8353.00	-212.16	525.11	-185.87	0.00	
8500.00	0.00	359.49	8453.00	-212.16	525.11	-185.87	0.00	
8600.00	0.00	359.49	8553.00	-212.16	525.11	-185.87	0.00	
8700.00	0.00	359.49	8653.00	-212.16	525.11	-185.87	0.00	
8800.00	0.00	359.49	8753.00	-212.16	525.11	-185.87	0.00	
8900.00	0.00	359.49	8853.00	-212.16	525.11	-185.87	0.00	
9000.00	0.00	359.49	8953.00	-212.16	525.11	-185.87	0.00	
9024.05	0.00	359.49	8977.04	-212.16	525.11	-185.87	0.00	KOP
9028.00	0.40	359.49	8981.00	-212.15	525.11	-185.86	10.00	1st Bone Spring Lime / Point of Penetration
9100.00	7.60	359.49	9052.77	-207.13	525.07	-180.85	10.00	
9200.00	17.60	359.49	9150.24	-185.35	524.88	-159.11	10.00	
9300.00	27.60	359.49	9242.45	-146.98	524.53	-120.80	10.00	
9400.00	37.60	359.49	9326.59	-93.18	524.05	-67.09	10.00	
9500.00	47.60	359.49	9400.12	-25.59	523.45	0.39	10.00	
9600.00	57.60	359.49	9460.78	53.74	522.75	79.59	10.00	
9700.00	67.60	359.49	9506.75	142.40	521.96	168.10	10.00	
9800.00	77.60	359.49	9536.62	237.70	521.11	263.24	10.00	
9900.00	87.60	359.49	9549.50	336.74	520.23	362.11	10.00	
9924.05	90.00	359.49	9550.00	360.78	520.01	386.11	10.00	Landing Point
10000.00	90.00	359.49	9550.00	436.73	519.34	461.93	0.00	
10100.00	90.00	359.49	9550.00	536.72	518.45	561.76	0.00	
10200.00	90.00	359.49	9550.00	636.72	517.56	661.59	0.00	
10300.00	90.00	359.49	9550.00	736.72	516.67	761.42	0.00	
10400.00	90.00	359.49	9550.00	836.71	515.78	861.25	0.00	
10500.00	90.00	359.49	9550.00	936.71	514.88	961.08	0.00	
10600.00	90.00	359.49	9550.00	1036.70	513.99	1060.91	0.00	
10700.00	90.00	359.49	9550.00	1136.70	513.10	1160.74	0.00	
10800.00	90.00	359.49	9550.00	1236.70	512.21	1260.56	0.00	
10900.00	90.00	359.49	9550.00	1336.69	511.32	1360.39	0.00	
11000.00	90.00	359.49	9550.00	1436.69	510.43	1460.22	0.00	
11100.00	90.00	359.49	9550.00	1536.68	509.54	1560.05	0.00	
11200.00	90.00	359.49	9550.00	1636.68	508.65	1659.88	0.00	
11300.00	90.00	359.49	9550.00	1736.68	507.76	1759.71	0.00	
11400.00	90.00	359.49	9550.00	1836.67	506.87	1859.54	0.00	
11500.00	90.00	359.49	9550.00	1936.67	505.98	1959.37	0.00	
11600.00	90.00	359.49	9550.00	2036.66	505.09	2059.20	0.00	
11700.00	90.00	359.49	9550.00	2136.66	504.20	2159.03	0.00	
11800.00	90.00	359.49	9550.00	2236.66	503.31	2258.85	0.00	
11900.00	90.00	359.49	9550.00	2336.65	502.42	2358.68	0.00	
12000.00	90.00	359.49	9550.00	2436.65	501.52	2458.51	0.00	
12100.00	90.00	359.49	9550.00	2536.64	500.63	2558.34	0.00	
12200.00	90.00	359.49	9550.00	2636.64	499.74	2658.17	0.00	
12300.00	90.00	359.49	9550.00	2736.64	498.85	2758.00	0.00	
12400.00	90.00	359.49	9550.00	2836.63	497.96	2857.83	0.00	
12500.00	90.00	359.49	9550.00	2936.63	497.07	2957.66	0.00	
12600.00	90.00	359.49	9550.00	3036.62	496.18	3057.49	0.00	
12700.00	90.00	359.49	9550.00	3136.62	495.29	3157.31	0.00	
12800.00	90.00	359.49	9550.00	3236.62	494.40	3257.14	0.00	
12900.00	90.00	359.49	9550.00	3336.61	493.51	3356.97	0.00	

SERPENTINE 35-26 Fed Com 6H



**Well:** SERPENTINE 35-26 Fed Com 6H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
13000.00	90.00	359.49	9550.00	3436.61	492.62	3456.80	0.00	
13100.00	90.00	359.49	9550.00	3536.60	491.73	3556.63	0.00	
13200.00	90.00	359.49	9550.00	3636.60	490.84	3656.46	0.00	
13300.00	90.00	359.49	9550.00	3736.60	489.95	3756.29	0.00	
13400.00	90.00	359.49	9550.00	3836.59	489.06	3856.12	0.00	
13500.00	90.00	359.49	9550.00	3936.59	488.17	3955.95	0.00	
13600.00	90.00	359.49	9550.00	4036.58	487.27	4055.78	0.00	
13700.00	90.00	359.49	9550.00	4136.58	486.38	4155.60	0.00	
13800.00	90.00	359.49	9550.01	4236.58	485.49	4255.43	0.00	
13900.00	90.00	359.49	9550.01	4336.57	484.60	4355.26	0.00	
14000.00	90.00	359.49	9550.01	4436.57	483.71	4455.09	0.00	
14100.00	90.00	359.49	9550.01	4536.56	482.82	4554.92	0.00	
14200.00	90.00	359.49	9550.01	4636.56	481.93	4654.75	0.00	
14300.00	90.00	359.49	9550.01	4736.56	481.04	4754.58	0.00	
14400.00	90.00	359.49	9550.01	4836.55	480.15	4854.41	0.00	
14500.00	90.00	359.49	9550.01	4936.55	479.26	4954.24	0.00	
14600.00	90.00	359.49	9550.01	5036.54	478.37	5054.07	0.00	
14700.00	90.00	359.49	9550.01	5136.54	477.48	5153.89	0.00	
14800.00	90.00	359.49	9550.01	5236.54	476.59	5253.72	0.00	
14900.00	90.00	359.49	9550.01	5336.53	475.70	5353.55	0.00	
15000.00	90.00	359.49	9550.01	5436.53	474.81	5453.38	0.00	
15100.00	90.00	359.49	9550.01	5536.52	473.92	5553.21	0.00	
15200.00	90.00	359.49	9550.01	5636.52	473.02	5653.04	0.00	
15300.00	90.00	359.49	9550.01	5736.52	472.13	5752.87	0.00	
15400.00	90.00	359.49	9550.01	5836.51	471.24	5852.70	0.00	
15500.00	90.00	359.49	9550.01	5936.51	470.35	5952.53	0.00	
15600.00	90.00	359.49	9550.01	6036.51	469.46	6052.36	0.00	
15700.00	90.00	359.49	9550.01	6136.50	468.57	6152.18	0.00	
15800.00	90.00	359.49	9550.01	6236.50	467.68	6252.01	0.00	
15900.00	90.00	359.49	9550.01	6336.49	466.79	6351.84	0.00	
16000.00	90.00	359.49	9550.01	6436.49	465.90	6451.67	0.00	
16100.00	90.00	359.49	9550.01	6536.49	465.01	6551.50	0.00	
16200.00	90.00	359.49	9550.01	6636.48	464.12	6651.33	0.00	
16300.00	90.00	359.49	9550.01	6736.48	463.23	6751.16	0.00	
16400.00	90.00	359.49	9550.01	6836.47	462.34	6850.99	0.00	
16500.00	90.00	359.49	9550.01	6936.47	461.45	6950.82	0.00	
16600.00	90.00	359.49	9550.01	7036.47	460.56	7050.64	0.00	
16700.00	90.00	359.49	9550.01	7136.46	459.67	7150.47	0.00	
16800.00	90.00	359.49	9550.01	7236.46	458.77	7250.30	0.00	
16900.00	90.00	359.49	9550.01	7336.45	457.88	7350.13	0.00	
17000.00	90.00	359.49	9550.01	7436.45	456.99	7449.96	0.00	
17100.00	90.00	359.49	9550.01	7536.45	456.10	7549.79	0.00	
17200.00	90.00	359.49	9550.01	7636.44	455.21	7649.62	0.00	
17300.00	90.00	359.49	9550.01	7736.44	454.32	7749.45	0.00	
17400.00	90.00	359.49	9550.01	7836.43	453.43	7849.28	0.00	
17500.00	90.00	359.49	9550.01	7936.43	452.54	7949.11	0.00	
17600.00	90.00	359.49	9550.01	8036.43	451.65	8048.93	0.00	
17700.00	90.00	359.49	9550.01	8136.42	450.76	8148.76	0.00	
17800.00	90.00	359.49	9550.01	8236.42	449.87	8248.59	0.00	
17900.00	90.00	359.49	9550.01	8336.41	448.98	8348.42	0.00	
18000.00	90.00	359.49	9550.01	8436.41	448.09	8448.25	0.00	
18100.00	90.00	359.49	9550.01	8536.41	447.20	8548.08	0.00	
18200.00	90.00	359.49	9550.01	8636.40	446.31	8647.91	0.00	
18300.00	90.00	359.49	9550.01	8736.40	445.41	8747.74	0.00	
18400.00	90.00	359.49	9550.01	8836.39	444.52	8847.57	0.00	
18423.26	90.00	359.49	9550.01	8859.65	444.32	8870.79	0.00	exit
18500.00	90.00	359.49	9550.01	8936.39	443.63	8947.40	0.00	
18503.26	90.00	359.49	9550.00	8939.65	443.65	8950.65	0.00	BHL

SERPENTINE 35-26 Fed Com 6H

## 1. Geologic Formations

TVD of target	9550	Pilot hole depth	N/A
MD at TD:	18503	Deepest expected fresh water	

## Basin

[illegible]

\*H<sub>2</sub>S, water flows, loss of circulation, abnormal pressures, etc.

## SERPENTINE 35-26 Fed Com 6H

**2. Casing Program**

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	STC	0	977	0	977
12 1/4	9 5/8	40	J-55	BTC	0	5150	0	5150
8 3/4	5 1/2	17	P110	BTC	0	18503	0	9550

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.



## SERPENTINE 35-26 Fed Com 6H

**3. Cementing Program (3-String Primary Design)**

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft <sup>3</sup> /sack)	Slurry Description
Surface	746	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	570	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	4650	13.2	1.4	Tail: Class H / C + additives
Production	373	4650	9.0	3.3	Lead: Class H / C + additives
	1829	9024	13.2	1.4	Tail: Class H / C + additives

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

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

## SERPENTINE 35-26 Fed Com 6H

**4. Pressure Control Equipment (Three String Design)**

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-58"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
			Annular (5M)		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

## SERPENTINE 35-26 Fed Com 6H

**5. Mud Program (Three String Design)**

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

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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**6. Logging and Testing Procedures**

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

Additional logs planned		Interval
	Resistivity	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

**7. Drilling Conditions**

Condition	Specify what type and where?
BH pressure at deepest TVD	4469
Abnormal temperature	No

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

Hydrogen Sulfide (H<sub>2</sub>S) monitors will be installed prior to drilling out the surface shoe. If H<sub>2</sub>S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N	H <sub>2</sub> S is present
Y	H <sub>2</sub> S plan attached.

## SERPENTINE 35-26 Fed Com 6H

**8. Other facets of operation**

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
  - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be 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

Well Name: SERPENTINE 35-26 FED COM	Well Location: T22S / R33E / SEC 35 / NWSW / 32.345371 / -103.549508	County or Parish/State: LEA / NM
Well Number: 6H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM113969	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551460	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Notice of Intent

Sundry ID: 2794607

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 06/11/2024	Time Sundry Submitted: 08:45
Date proposed operation will begin: 06/11/2024	

**Procedure Description:** Engineering Only - Devon Energy Production Company L.P. respectfully requests the following changes to the approved APD: BHL change from 20 FNL & 1254 FWL to 20 FNL & 1200 FWL, both 26-22S-33E. Offline cement and break test variance request. Please see attached revised C-102, drilling & directional plans.

NOI Attachments

Procedure Description

- BOP\_Break\_Test\_Variance\_\_\_Intermediate\_Casing\_20240611084336.pdf
- SERPENTINE\_35\_26\_FED\_COM\_6H\_C\_102\_BHL\_NOI\_20240611084056.pdf
- SERPENTINE\_35\_26\_Fed\_Com\_6H\_Directional\_Plan\_06\_06\_24\_20240611084055.pdf
- SERPENTINE\_35\_26\_Fed\_Com\_6H\_R6\_20240611084055.pdf

<b>Well Name:</b> SERPENTINE 35-26 FED COM	<b>Well Location:</b> T22S / R33E / SEC 35 / NWSW / 32.345371 / -103.549508	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 6H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM113969	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002551460	<b>Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	

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:** REBECCA DEAL

**Signed on:** JUN 11, 2024 08:41 AM

**Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Title:** Regulatory Analyst

**Street Address:** 333 W SHERIDAN AVE

**City:** OKLAHOMA CITY      **State:** OK

**Phone:** (303) 299-1406

**Email address:** REBECCA.DEAL@DVN.COM

Field

**Representative Name:**

**Street Address:**

**City:**      **State:**      **Zip:**

**Phone:**

**Email address:**

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	Devon Energy Production Company LP
<b>LEASE NO.:</b>	NMNM113969
<b>LOCATION:</b>	Section 35, T.22 S., R.33 E., NMPM
<b>COUNTY:</b>	Lea County, New Mexico ▼

<b>WELL NAME &amp; NO.:</b>	Serpentine 35-26 Fed Com 6H
<b>BOTTOM HOLE FOOTAGE</b>	20'/N & 1200'/W
<b>ATS/API ID:</b>	3002551460
<b>APD ID:</b>	10400081764
<b>Sundry ID:</b>	2794607
<b>Date APD Submitted:</b>	N/a

COA

H2S	No ▼		
Potash	None ▼		
Cave/Karst Potential	Low ▼		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Flex Hose	<input checked="" type="checkbox"/> Other
Wellhead	Conventional and Multibowl ▼		
Other	<input type="checkbox"/> 4 String	Capitan Reef None ▼	<input type="checkbox"/> WIPP
Other	Pilot Hole None ▼	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None ▼	Echo-Meter None ▼	Primary Cement Squeeze None ▼
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry	Waste Prevention None ▼	
Special Requirements Variance	<input checked="" type="checkbox"/> Break Testing	<input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Casing Clearance



## A. HYDROGEN SULFIDE

Hydrogen Sulfide (H<sub>2</sub>S) monitors shall be installed prior to drilling out the surface shoe. If H<sub>2</sub>S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet **43 CFR part 3170 Subpart 3176**, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

## B. CASING

1. The **13-3/8 inch** surface casing shall be set at approximately **1150 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2 inch** in diameter.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

2. The minimum required fill of cement behind the **9-5/8 inch** intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.**
3. The minimum required fill of cement behind the **5-1/2 inch** production casing is:
  - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

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

### **C. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

#### **Option 1:**

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M) psi. Annular which shall be tested to 2100 (70% Working Pressure) psi.**
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M) psi.**

#### **Option 2:**

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

## D. SPECIAL REQUIREMENT (S)

### Communitization Agreement

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

### BOPE Break Testing Variance (Approved)

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted **(575-689-5981 Lea County)** 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at **21-day** intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR part 3170 Subpart 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

**Offline Cementing**

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

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

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

## GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

### A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke

manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be



initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

#### C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

#### D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 6/26/2024

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

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 recompleat 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 recompleat 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: NWSW / 1596 FSL / 681 FWL / TWSP: 22S / RANGE: 33E / SECTION: 35 / LAT: 32.345371 / LONG: -103.549508 ( TVD: 0 feet, MD: 0 feet )

PPP: NWSW / 1419 FSL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 35 / LAT: 32.344877 / LONG: -103.547651 ( TVD: 8981 feet, MD: 9032 feet )

PPP: SWSW / 200 FSL / 1260 FWL / TWSP: 22S / RANGE: 33E / SECTION: 26 / LAT: 32.3560241 / LONG: -103.5476642 ( TVD: 9550 feet, MD: 13900 feet )

BHL: NWNW / 20 FNL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 26 / LAT: 32.369934 / LONG: -103.547684 ( TVD: 9550 feet, MD: 18495 feet )

CONFIDENTIAL

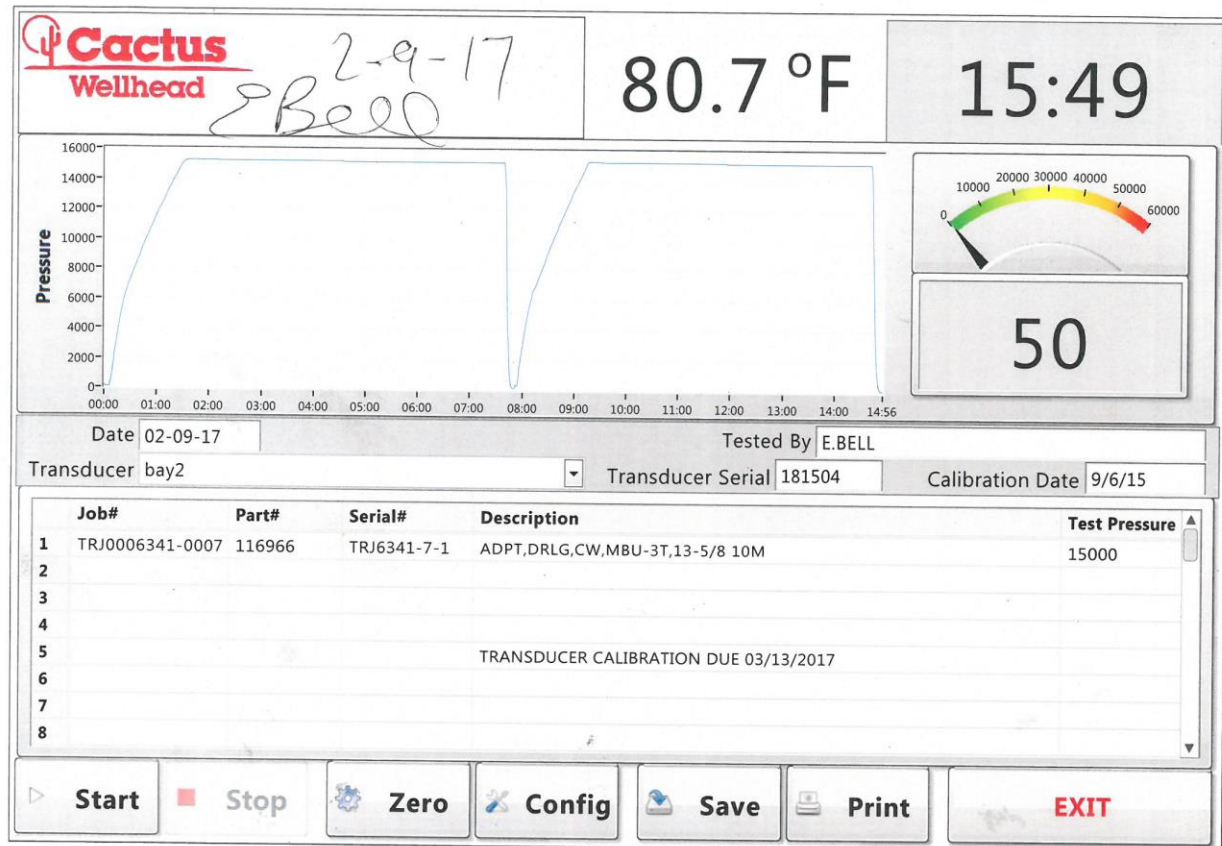
**BOP Break Test Variance – Intermediate Casing**

Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner.

Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of BOP to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, or before the expiration of the allotted 14-days for 5M intermediate batch drilling, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered.

Well Control Response:

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



DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-51460	Pool Code 7320	Pool Name BRINNINSTOOL;BONE SPRING
Property Code 333939	Property Name SERPENTINE 35-26 FED COM	Well Number 6H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3574.0'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	35	22-S	33-E		1596	SOUTH	681	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	22-S	33-E		20	NORTH	1200	WEST	LEA

Dedicated Acres 600	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SERPENTINE 35-26 FED COM 6H

EL:3574.0'  
GEODETIC COORDINATES NAD 83  
NMSP EAST SURFACE LOCATION  
N:490263.97  
E:783402.11  
LAT:32.345371  
LON:103.549508

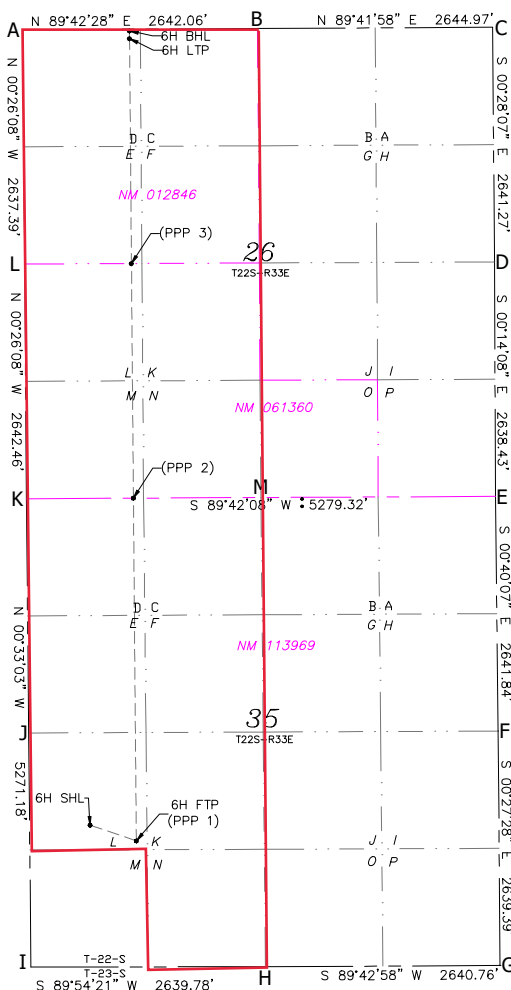
FIRST TAKE POINT(PPP 1)  
1419' FSL 1200' FWL SEC. 35  
N:490088.01  
E:783922.83  
LAT:32.344877  
LON:103.547826

LAST TAKE POINT  
100' FNL 1200' FWL SEC. 26  
N:499123.62  
E:783846.37  
LAT:32.369714  
LON:103.547859  
BOTTOM OF HOLE  
N:499203.62  
E:783845.76  
LAT:32.369934  
LON:103.547859

PPP 2  
0' FNL 1204' FWL SEC. 35  
N:493944.07  
E:783890.20  
LAT:32.355477  
LON:103.547840

PPP 3  
2638' FNL 1202' FWL SEC. 26  
N:496585.53  
E:783867.84  
LAT:32.362737  
LON:103.547850

A=N:499217.50 E:782645.62  
B=N:499230.97 E:785287.64  
C=N:499244.84 E:787932.57  
D=N:496603.66 E:787954.17  
E=N:493965.26 E:787965.01  
F=N:491323.60 E:787995.85  
G=N:488684.30 E:788016.94  
H=N:488671.21 E:785376.21  
I=N:488666.88 E:782736.43  
J=N:491302.34 E:782711.10  
K=N:493937.81 E:782685.76  
L=N:496580.19 E:782665.67  
M=N:493951.53 E:785325.39



OPERATOR CERTIFICATION

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

Rebecca Deal 6/10/2024  
Signature Date

Rebecca Deal, Regulatory Analyst  
Printed Name

Rebecca.deal@dvn.com  
E-mail Address

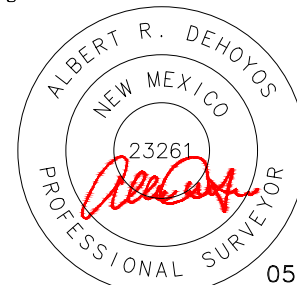
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

05/2024

Date of Survey

Signature & Seal of Professional Surveyor



05/24/24

Certificate No. 23261 Albert R. DeHoyos  
DRAWN BY: CM



Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: SERPENTINE 35-26 FED COM	Well Number 6H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL L	Section 35	Township 22-S	Range 33-E	Lot	Feet 1419	From N/S SOUTH	Feet 1200	From E/W WEST	County LEA
Latitude 32.344877					Longitude 103.547826				NAD 83

Last Take Point (LTP)

UL D	Section 26	Township 22-S	Range 33-E	Lot	Feet 100	From N/S NORTH	Feet 1200	From E/W WEST	County LEA
Latitude 32.369714					Longitude 103.547859				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☒Is this well an infill well? ☒

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name: Devon Energy Production Company, L.P.	Property Name: Serpentine 35 26 Fed Com	Well Number 9H

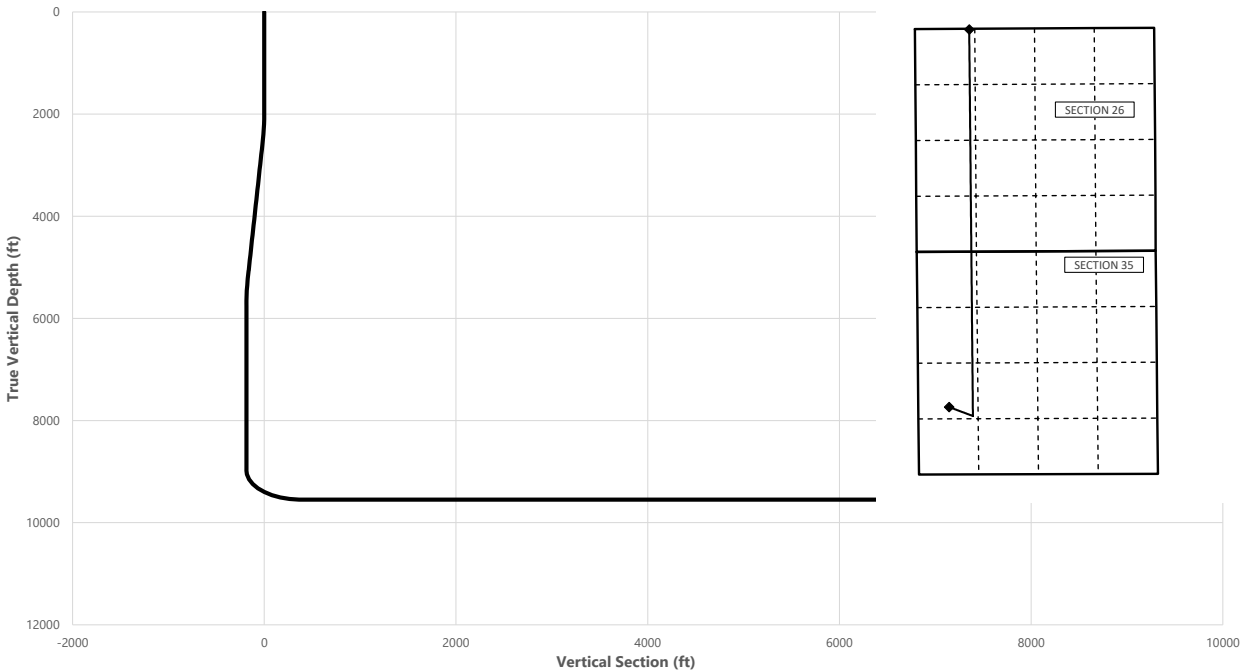
KZ 06/29/2018



Well: SERPENTINE 35-26 Fed Com 6H  
County: Lea  
Wellbore: Permit Plan  
Design: Permit Plan #1

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

MD	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	112.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	112.00	2497.47	-16.30	40.35	-14.28	2.00	Hold Tangent
5260.23	10.00	112.00	5215.76	-195.86	484.76	-171.59	0.00	Drop to Vertical
5760.23	0.00	112.00	5713.22	-212.16	525.11	-185.87	2.00	Hold Vertical
9024.05	0.00	359.49	8977.04	-212.16	525.11	-185.87	0.00	KOP
9924.05	90.00	359.49	9550.00	360.78	520.01	386.11	10.00	Landing Point
18503.26	90.00	359.49	9550.00	8939.65	443.65	8950.65	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	952.00	952.00
Salt	1233.00	1233.00
Base of Salt	5110.19	5068.00
Delaware	5110.19	5068.00
Cherry Canyon	5965.00	5918.00
Brushy Canyon	7366.00	7319.00
1st Bone Spring Lime / Point of Pene exit	9028.00 18423.26	8981.00 9550.01

SHL  
KOP  
Point of Penetration  
Exit  
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.3453	-103.5496	1596' FSL, 681' FWL of Sec 35 in T22S, R33E
9024.05	8977.04	32.3447	-103.5479	1382' FSL, 1205' FWL of Sec 35 in T22S, R33E
9028.00	8981.00	32.3697	-103.5478	1419' FSL, 1200' FWL of Sec 35 in T22S, R33E
18423.26	9550.01	32.3970	-103.5479	100' FNL, 1200' FWL of Sec 26 in T22S, R33E
18503.26	9550.00	32.3698	-103.5479	20' FNL, 1200' FWL of Sec 26 in T22S, R33E

SERPENTINE 35-26 Fed Com 6H



Well: SERPENTINE 35-26 Fed Com 6H  
 County: Lea  
 Wellbore: Permit Plan  
 Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	112.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	112.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	112.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	112.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	112.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	112.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	112.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	112.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	112.00	900.00	0.00	0.00	0.00	0.00	
952.00	0.00	112.00	952.00	0.00	0.00	0.00	0.00	Rustler
1000.00	0.00	112.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	112.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	112.00	1200.00	0.00	0.00	0.00	0.00	
1233.00	0.00	112.00	1233.00	0.00	0.00	0.00	0.00	Salt
1300.00	0.00	112.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	112.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	112.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	112.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	112.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	112.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	112.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	112.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	112.00	2099.98	-0.65	1.62	-0.57	2.00	
2200.00	4.00	112.00	2199.84	-2.61	6.47	-2.29	2.00	
2300.00	6.00	112.00	2299.45	-5.88	14.55	-5.15	2.00	
2400.00	8.00	112.00	2398.70	-10.44	25.85	-9.15	2.00	
2500.00	10.00	112.00	2497.47	-16.30	40.35	-14.28	2.00	Hold Tangent
2600.00	10.00	112.00	2595.95	-22.81	56.45	-19.98	0.00	
2700.00	10.00	112.00	2694.43	-29.31	72.55	-25.68	0.00	
2800.00	10.00	112.00	2792.91	-35.82	88.65	-31.38	0.00	
2900.00	10.00	112.00	2891.39	-42.32	104.75	-37.08	0.00	
3000.00	10.00	112.00	2989.87	-48.83	120.86	-42.78	0.00	
3100.00	10.00	112.00	3088.35	-55.33	136.96	-48.48	0.00	
3200.00	10.00	112.00	3186.83	-61.84	153.06	-54.18	0.00	
3300.00	10.00	112.00	3285.31	-68.34	169.16	-59.87	0.00	
3400.00	10.00	112.00	3383.79	-74.85	185.26	-65.57	0.00	
3500.00	10.00	112.00	3482.27	-81.35	201.36	-71.27	0.00	
3600.00	10.00	112.00	3580.75	-87.86	217.46	-76.97	0.00	
3700.00	10.00	112.00	3679.23	-94.36	233.56	-82.67	0.00	
3800.00	10.00	112.00	3777.72	-100.87	249.66	-88.37	0.00	
3900.00	10.00	112.00	3876.20	-107.37	265.76	-94.07	0.00	
4000.00	10.00	112.00	3974.68	-113.88	281.86	-99.77	0.00	
4100.00	10.00	112.00	4073.16	-120.38	297.96	-105.47	0.00	
4200.00	10.00	112.00	4171.64	-126.89	314.06	-111.16	0.00	
4300.00	10.00	112.00	4270.12	-133.39	330.16	-116.86	0.00	
4400.00	10.00	112.00	4368.60	-139.90	346.26	-122.56	0.00	
4500.00	10.00	112.00	4467.08	-146.40	362.36	-128.26	0.00	
4600.00	10.00	112.00	4565.56	-152.91	378.46	-133.96	0.00	
4700.00	10.00	112.00	4664.04	-159.41	394.56	-139.66	0.00	
4800.00	10.00	112.00	4762.52	-165.92	410.66	-145.36	0.00	
4900.00	10.00	112.00	4861.00	-172.42	426.76	-151.06	0.00	
5000.00	10.00	112.00	4959.48	-178.93	442.86	-156.76	0.00	
5100.00	10.00	112.00	5057.97	-185.43	458.96	-162.45	0.00	
5110.19	10.00	112.00	5068.00	-186.10	460.60	-163.04	0.00	Base of Salt, Delaware
5200.00	10.00	112.00	5156.45	-191.94	475.06	-168.15	0.00	
5260.23	10.00	112.00	5215.76	-195.86	484.76	-171.59	0.00	Drop to Vertical
5300.00	9.20	112.00	5254.97	-198.34	490.91	-173.76	2.00	
5400.00	7.20	112.00	5353.95	-203.69	504.14	-178.45	2.00	
5500.00	5.20	112.00	5453.35	-207.74	514.16	-181.99	2.00	
5600.00	3.20	112.00	5553.08	-210.48	520.96	-184.40	2.00	
5700.00	1.20	112.00	5653.00	-211.92	524.53	-185.66	2.00	
5760.23	0.00	112.00	5713.22	-212.16	525.11	-185.87	2.00	Hold Vertical
5800.00	0.00	359.49	5753.00	-212.16	525.11	-185.87	0.00	
5900.00	0.00	359.49	5853.00	-212.16	525.11	-185.87	0.00	
5965.00	0.00	359.49	5918.00	-212.16	525.11	-185.87	0.00	Cherry Canyon
6000.00	0.00	359.49	5953.00	-212.16	525.11	-185.87	0.00	
6100.00	0.00	359.49	6053.00	-212.16	525.11	-185.87	0.00	
6200.00	0.00	359.49	6153.00	-212.16	525.11	-185.87	0.00	
6300.00	0.00	359.49	6253.00	-212.16	525.11	-185.87	0.00	

SERPENTINE 35-26 Fed Com 6H



**Well:** SERPENTINE 35-26 Fed Com 6H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6400.00	0.00	359.49	6353.00	-212.16	525.11	-185.87	0.00	
6500.00	0.00	359.49	6453.00	-212.16	525.11	-185.87	0.00	
6600.00	0.00	359.49	6553.00	-212.16	525.11	-185.87	0.00	
6700.00	0.00	359.49	6653.00	-212.16	525.11	-185.87	0.00	
6800.00	0.00	359.49	6753.00	-212.16	525.11	-185.87	0.00	
6900.00	0.00	359.49	6853.00	-212.16	525.11	-185.87	0.00	
7000.00	0.00	359.49	6953.00	-212.16	525.11	-185.87	0.00	
7100.00	0.00	359.49	7053.00	-212.16	525.11	-185.87	0.00	
7200.00	0.00	359.49	7153.00	-212.16	525.11	-185.87	0.00	
7300.00	0.00	359.49	7253.00	-212.16	525.11	-185.87	0.00	
7366.00	0.00	359.49	7319.00	-212.16	525.11	-185.87	0.00	Brushy Canyon
7400.00	0.00	359.49	7353.00	-212.16	525.11	-185.87	0.00	
7500.00	0.00	359.49	7453.00	-212.16	525.11	-185.87	0.00	
7600.00	0.00	359.49	7553.00	-212.16	525.11	-185.87	0.00	
7700.00	0.00	359.49	7653.00	-212.16	525.11	-185.87	0.00	
7800.00	0.00	359.49	7753.00	-212.16	525.11	-185.87	0.00	
7900.00	0.00	359.49	7853.00	-212.16	525.11	-185.87	0.00	
8000.00	0.00	359.49	7953.00	-212.16	525.11	-185.87	0.00	
8100.00	0.00	359.49	8053.00	-212.16	525.11	-185.87	0.00	
8200.00	0.00	359.49	8153.00	-212.16	525.11	-185.87	0.00	
8300.00	0.00	359.49	8253.00	-212.16	525.11	-185.87	0.00	
8400.00	0.00	359.49	8353.00	-212.16	525.11	-185.87	0.00	
8500.00	0.00	359.49	8453.00	-212.16	525.11	-185.87	0.00	
8600.00	0.00	359.49	8553.00	-212.16	525.11	-185.87	0.00	
8700.00	0.00	359.49	8653.00	-212.16	525.11	-185.87	0.00	
8800.00	0.00	359.49	8753.00	-212.16	525.11	-185.87	0.00	
8900.00	0.00	359.49	8853.00	-212.16	525.11	-185.87	0.00	
9000.00	0.00	359.49	8953.00	-212.16	525.11	-185.87	0.00	
9024.05	0.00	359.49	8977.04	-212.16	525.11	-185.87	0.00	KOP
9028.00	0.40	359.49	8981.00	-212.15	525.11	-185.86	10.00	1st Bone Spring Lime / Point of Penetration
9100.00	7.60	359.49	9052.77	-207.13	525.07	-180.85	10.00	
9200.00	17.60	359.49	9150.24	-185.35	524.88	-159.11	10.00	
9300.00	27.60	359.49	9242.45	-146.98	524.53	-120.80	10.00	
9400.00	37.60	359.49	9326.59	-93.18	524.05	-67.09	10.00	
9500.00	47.60	359.49	9400.12	-25.59	523.45	0.39	10.00	
9600.00	57.60	359.49	9460.78	53.74	522.75	79.59	10.00	
9700.00	67.60	359.49	9506.75	142.40	521.96	168.10	10.00	
9800.00	77.60	359.49	9536.62	237.70	521.11	263.24	10.00	
9900.00	87.60	359.49	9549.50	336.74	520.23	362.11	10.00	
9924.05	90.00	359.49	9550.00	360.78	520.01	386.11	10.00	Landing Point
10000.00	90.00	359.49	9550.00	436.73	519.34	461.93	0.00	
10100.00	90.00	359.49	9550.00	536.72	518.45	561.76	0.00	
10200.00	90.00	359.49	9550.00	636.72	517.56	661.59	0.00	
10300.00	90.00	359.49	9550.00	736.72	516.67	761.42	0.00	
10400.00	90.00	359.49	9550.00	836.71	515.78	861.25	0.00	
10500.00	90.00	359.49	9550.00	936.71	514.88	961.08	0.00	
10600.00	90.00	359.49	9550.00	1036.70	513.99	1060.91	0.00	
10700.00	90.00	359.49	9550.00	1136.70	513.10	1160.74	0.00	
10800.00	90.00	359.49	9550.00	1236.70	512.21	1260.56	0.00	
10900.00	90.00	359.49	9550.00	1336.69	511.32	1360.39	0.00	
11000.00	90.00	359.49	9550.00	1436.69	510.43	1460.22	0.00	
11100.00	90.00	359.49	9550.00	1536.68	509.54	1560.05	0.00	
11200.00	90.00	359.49	9550.00	1636.68	508.65	1659.88	0.00	
11300.00	90.00	359.49	9550.00	1736.68	507.76	1759.71	0.00	
11400.00	90.00	359.49	9550.00	1836.67	506.87	1859.54	0.00	
11500.00	90.00	359.49	9550.00	1936.67	505.98	1959.37	0.00	
11600.00	90.00	359.49	9550.00	2036.66	505.09	2059.20	0.00	
11700.00	90.00	359.49	9550.00	2136.66	504.20	2159.03	0.00	
11800.00	90.00	359.49	9550.00	2236.66	503.31	2258.85	0.00	
11900.00	90.00	359.49	9550.00	2336.65	502.42	2358.68	0.00	
12000.00	90.00	359.49	9550.00	2436.65	501.52	2458.51	0.00	
12100.00	90.00	359.49	9550.00	2536.64	500.63	2558.34	0.00	
12200.00	90.00	359.49	9550.00	2636.64	499.74	2658.17	0.00	
12300.00	90.00	359.49	9550.00	2736.64	498.85	2758.00	0.00	
12400.00	90.00	359.49	9550.00	2836.63	497.96	2857.83	0.00	
12500.00	90.00	359.49	9550.00	2936.63	497.07	2957.66	0.00	
12600.00	90.00	359.49	9550.00	3036.62	496.18	3057.49	0.00	
12700.00	90.00	359.49	9550.00	3136.62	495.29	3157.31	0.00	
12800.00	90.00	359.49	9550.00	3236.62	494.40	3257.14	0.00	
12900.00	90.00	359.49	9550.00	3336.61	493.51	3356.97	0.00	

SERPENTINE 35-26 Fed Com 6H



**Well:** SERPENTINE 35-26 Fed Com 6H  
**County:** Lea  
**Wellbore:** Permit Plan  
**Design:** Permit Plan #1

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

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
13000.00	90.00	359.49	9550.00	3436.61	492.62	3456.80	0.00	
13100.00	90.00	359.49	9550.00	3536.60	491.73	3556.63	0.00	
13200.00	90.00	359.49	9550.00	3636.60	490.84	3656.46	0.00	
13300.00	90.00	359.49	9550.00	3736.60	489.95	3756.29	0.00	
13400.00	90.00	359.49	9550.00	3836.59	489.06	3856.12	0.00	
13500.00	90.00	359.49	9550.00	3936.59	488.17	3955.95	0.00	
13600.00	90.00	359.49	9550.00	4036.58	487.27	4055.78	0.00	
13700.00	90.00	359.49	9550.00	4136.58	486.38	4155.60	0.00	
13800.00	90.00	359.49	9550.01	4236.58	485.49	4255.43	0.00	
13900.00	90.00	359.49	9550.01	4336.57	484.60	4355.26	0.00	
14000.00	90.00	359.49	9550.01	4436.57	483.71	4455.09	0.00	
14100.00	90.00	359.49	9550.01	4536.56	482.82	4554.92	0.00	
14200.00	90.00	359.49	9550.01	4636.56	481.93	4654.75	0.00	
14300.00	90.00	359.49	9550.01	4736.56	481.04	4754.58	0.00	
14400.00	90.00	359.49	9550.01	4836.55	480.15	4854.41	0.00	
14500.00	90.00	359.49	9550.01	4936.55	479.26	4954.24	0.00	
14600.00	90.00	359.49	9550.01	5036.54	478.37	5054.07	0.00	
14700.00	90.00	359.49	9550.01	5136.54	477.48	5153.89	0.00	
14800.00	90.00	359.49	9550.01	5236.54	476.59	5253.72	0.00	
14900.00	90.00	359.49	9550.01	5336.53	475.70	5353.55	0.00	
15000.00	90.00	359.49	9550.01	5436.53	474.81	5453.38	0.00	
15100.00	90.00	359.49	9550.01	5536.52	473.92	5553.21	0.00	
15200.00	90.00	359.49	9550.01	5636.52	473.02	5653.04	0.00	
15300.00	90.00	359.49	9550.01	5736.52	472.13	5752.87	0.00	
15400.00	90.00	359.49	9550.01	5836.51	471.24	5852.70	0.00	
15500.00	90.00	359.49	9550.01	5936.51	470.35	5952.53	0.00	
15600.00	90.00	359.49	9550.01	6036.51	469.46	6052.36	0.00	
15700.00	90.00	359.49	9550.01	6136.50	468.57	6152.18	0.00	
15800.00	90.00	359.49	9550.01	6236.50	467.68	6252.01	0.00	
15900.00	90.00	359.49	9550.01	6336.49	466.79	6351.84	0.00	
16000.00	90.00	359.49	9550.01	6436.49	465.90	6451.67	0.00	
16100.00	90.00	359.49	9550.01	6536.49	465.01	6551.50	0.00	
16200.00	90.00	359.49	9550.01	6636.48	464.12	6651.33	0.00	
16300.00	90.00	359.49	9550.01	6736.48	463.23	6751.16	0.00	
16400.00	90.00	359.49	9550.01	6836.47	462.34	6850.99	0.00	
16500.00	90.00	359.49	9550.01	6936.47	461.45	6950.82	0.00	
16600.00	90.00	359.49	9550.01	7036.47	460.56	7050.64	0.00	
16700.00	90.00	359.49	9550.01	7136.46	459.67	7150.47	0.00	
16800.00	90.00	359.49	9550.01	7236.46	458.77	7250.30	0.00	
16900.00	90.00	359.49	9550.01	7336.45	457.88	7350.13	0.00	
17000.00	90.00	359.49	9550.01	7436.45	456.99	7449.96	0.00	
17100.00	90.00	359.49	9550.01	7536.45	456.10	7549.79	0.00	
17200.00	90.00	359.49	9550.01	7636.44	455.21	7649.62	0.00	
17300.00	90.00	359.49	9550.01	7736.44	454.32	7749.45	0.00	
17400.00	90.00	359.49	9550.01	7836.43	453.43	7849.28	0.00	
17500.00	90.00	359.49	9550.01	7936.43	452.54	7949.11	0.00	
17600.00	90.00	359.49	9550.01	8036.43	451.65	8048.93	0.00	
17700.00	90.00	359.49	9550.01	8136.42	450.76	8148.76	0.00	
17800.00	90.00	359.49	9550.01	8236.42	449.87	8248.59	0.00	
17900.00	90.00	359.49	9550.01	8336.41	448.98	8348.42	0.00	
18000.00	90.00	359.49	9550.01	8436.41	448.09	8448.25	0.00	
18100.00	90.00	359.49	9550.01	8536.41	447.20	8548.08	0.00	
18200.00	90.00	359.49	9550.01	8636.40	446.31	8647.91	0.00	
18300.00	90.00	359.49	9550.01	8736.40	445.41	8747.74	0.00	
18400.00	90.00	359.49	9550.01	8836.39	444.52	8847.57	0.00	
18423.26	90.00	359.49	9550.01	8859.65	444.32	8870.79	0.00	exit
18500.00	90.00	359.49	9550.01	8936.39	443.63	8947.40	0.00	
18503.26	90.00	359.49	9550.00	8939.65	443.65	8950.65	0.00	BHL

## SERPENTINE 35-26 Fed Com 6H

**1. Geologic Formations**

TVD of target	9550	Pilot hole depth	N/A
MD at TD:	18503	Deepest expected fresh water	

**Basin**

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	952		
Salt	1233		
Base of Salt	5068		
Delaware	5068		
Cherry Canyon	5918		
Brushy Canyon	7319		
1st Bone Spring Lime	8981		

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

## SERPENTINE 35-26 Fed Com 6H

**2. Casing Program**

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	STC	0	977	0	977
12 1/4	9 5/8	40	J-55	BTC	0	5150	0	5150
8 3/4	5 1/2	17	P110	BTC	0	18503	0	9550

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

## SERPENTINE 35-26 Fed Com 6H

**3. Cementing Program (3-String Primary Design)**

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft <sup>3</sup> /sack)	Slurry Description
Surface	746	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	570	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	4650	13.2	1.4	Tail: Class H / C + additives
Production	373	4650	9.0	3.3	Lead: Class H / C + additives
	1829	9024	13.2	1.4	Tail: Class H / C + additives

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

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



## SERPENTINE 35-26 Fed Com 6H

**4. Pressure Control Equipment (Three String Design)**

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-58"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
			Annular (5M)		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

## SERPENTINE 35-26 Fed Com 6H

**5. Mud Program (Three String Design)**

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

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

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

**6. Logging and Testing Procedures**

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

Additional logs planned		Interval
	Resistivity	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

**7. Drilling Conditions**

Condition	Specify what type and where?
BH pressure at deepest TVD	4469
Abnormal temperature	No

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

Hydrogen Sulfide (H <sub>2</sub> S) monitors will be installed prior to drilling out the surface shoe. If H <sub>2</sub> S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.	
N	H <sub>2</sub> S is present
Y	H <sub>2</sub> S plan attached.

## SERPENTINE 35-26 Fed Com 6H

**8. Other facets of operation**

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
  - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be 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

35-22-33-L 2794607 Serpentine 35-26 Fed Com 6H

## Serpentine 35-26 Fed Com 6H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	48.00		h 40	stc	5.83	1.43	0.62	1,150	3	1.03	2.70	55,200	
"B"				stc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 709				Tail Cmt	does not	circ to sfc.	Totals:	1,150				55,200	
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
17 1/2	0.6946	746	1044	799	31	9.00	1676	2M				1.56	
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Site plot (pipe racks 3 or 4) as per O.C. 1.0, D. 4.1, not found.													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		j 55	btc	3.06	0.91	0.88	5,150	1	1.67	1.53	206,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 518								Totals:	5,150			206,000
The cement volume(s) are intended to achieve a top of								0	ft from surface or a		1150	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
12 1/4	0.3132	724	2097	1686	24	10.50	2364	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :								#VALUE!	#VALUE!			
Class 'C' tail cmt yld > 1.35												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.77, b, c, d All > 0.70, OK.												

5 1/2		casing inside the		9 5/8		Design Factors					Prod 1	
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	17.00		p 110	btc	3.36	1.68	2.38	18,503	2	4.50	3.16	314,551
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,101								Totals:	18,503			314,551
The cement volume(s) are intended to achieve a top of								4950	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
8 3/4	0.2526	2202	3792	3425	11	9.00						1.35
Class 'C' tail cmt yld > 1.35												

#N/A											
0	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
Cmt vol calc below includes this csg, TOC intended							#N/A	ft from surface or a	#N/A		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
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											

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 418353

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418353
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.	5/22/2025
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	5/22/2025
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	5/22/2025