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

Sundry Print Report

12/16/2025

Well Name: STRANGER 33 FED

Well Location: T25S / R34E / SEC 33 / SESE / 32.08106 / -103.46763

County or Parish/State: LEA / NM

Well Number: 101H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM113898

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002555203

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2881758

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/06/2025

Time Sundry Submitted: 03:11

Date proposed operation will begin: 11/06/2025

Procedure Description: Engineering only. Devon Energy Production Company L.P. respectfully requests the following changes to the approved APO: Casing program change: Surface casing depth change. Intermediate and Production casing hole size changes. Intermediate casing size change. Cement volume changes to accommodate casing changes. Please see attached revised drill plan and spec sheet.

NOI Attachments

Procedure Description

STRANGER_33_FED_101H_Permit_Plan_1_r2_660FEL__1980FEL__AVALON_A_20251210142239.pdf

8.625_32lb_J55_GEOCONN_20251106140200.pdf

STRANGER_33_FED_101H_11_06_2025_20251106140158.pdf

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Lease Number: NMNM113898

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002555203

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

Sundry_ID_2881758_20251211090906.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: DEC 10, 2025 02:22 PM

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: 12/11/2025

Signature: Long Vo

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

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

2. Name of Operator

3a. Address

3b. Phone No. *(include area code)*

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE 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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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: SESE / 480 FSL / 401 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.08106 / LONG: -103.46763 (TVD: 0 feet, MD: 0 feet)

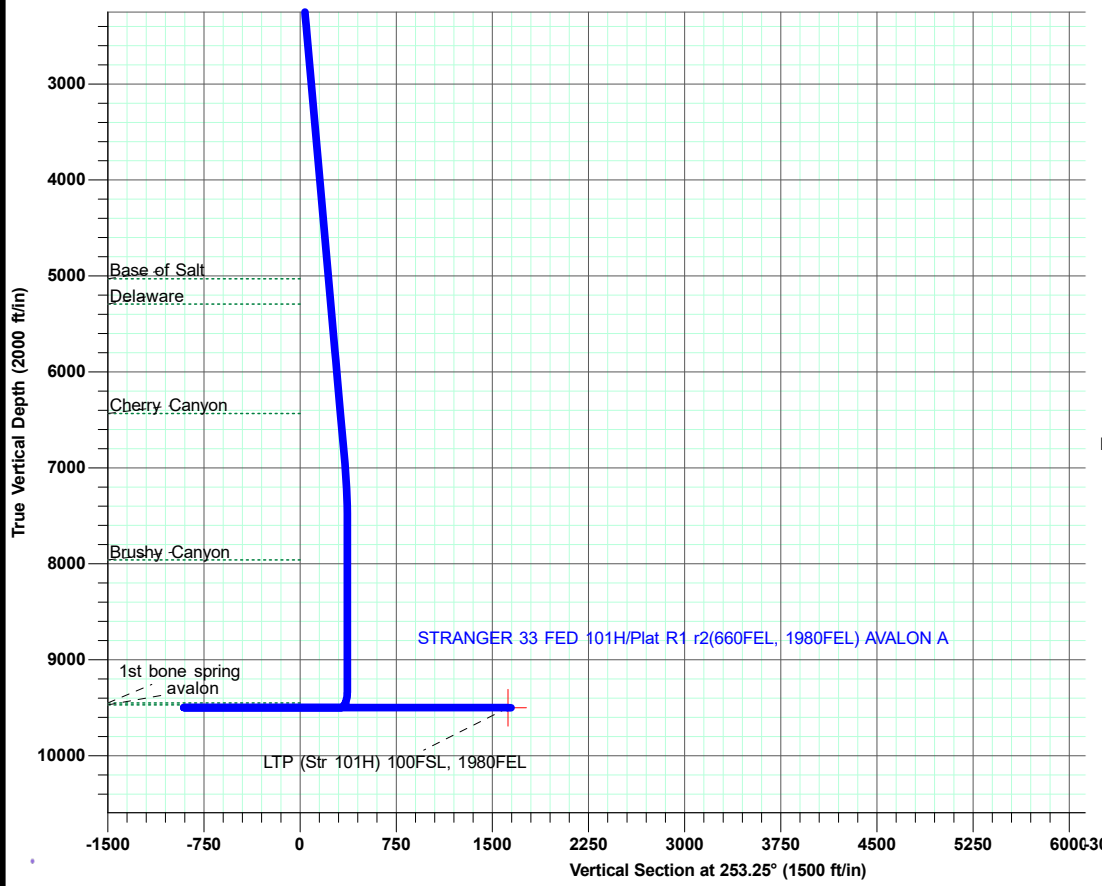
PPP: SESE / 100 FSL / 660 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.080015 / LONG: -103.468465 (TVD: 9161 feet, MD: 9190 feet)

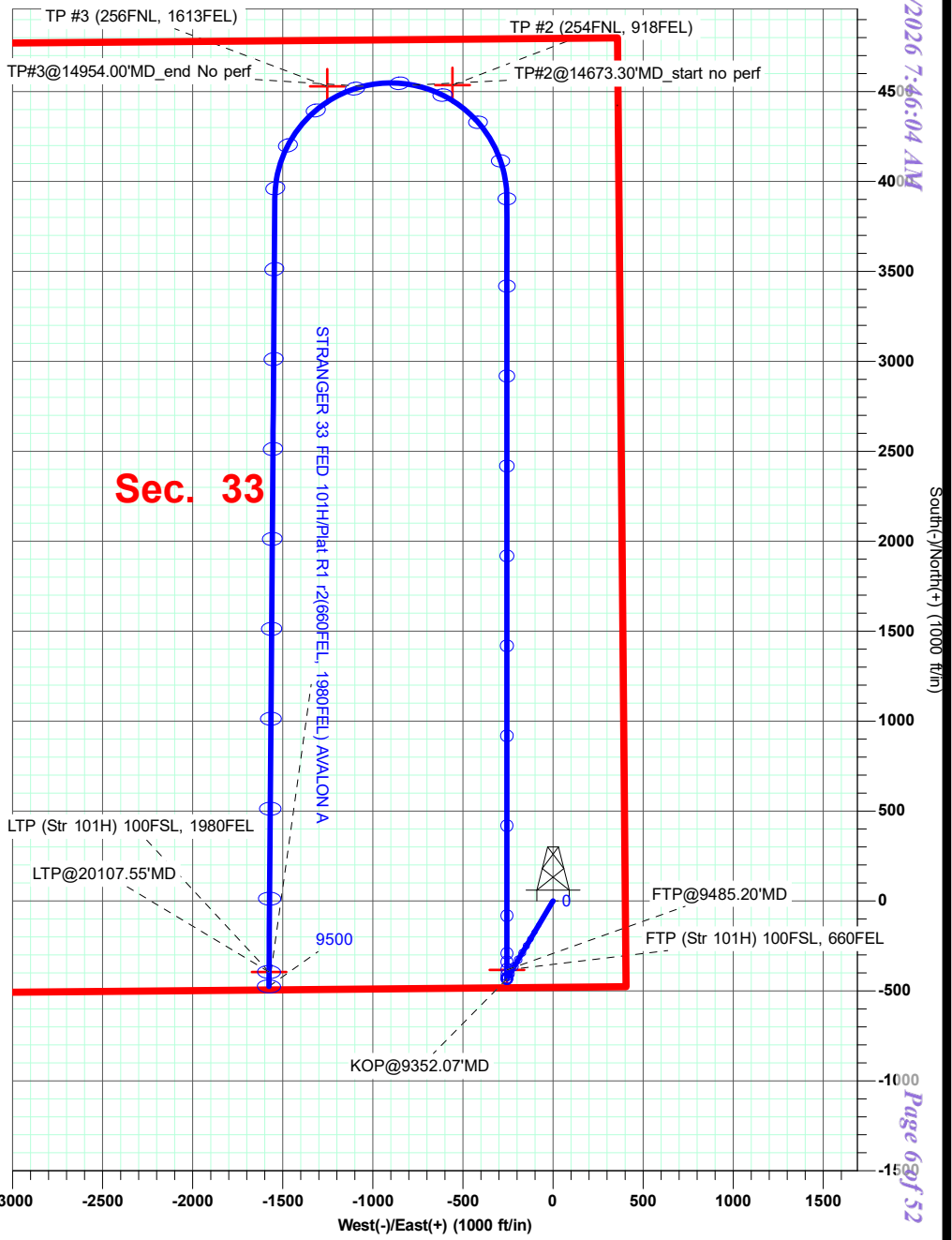
BHL: SWSE / 20 FNL / 1980 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.079791 / LONG: -103.472727 (TVD: 9500 feet, MD: 20187 feet)

SECTION DETAILS
STRANGER 33 FED 101H

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00
1843.25	5.15	210.61	1842.79	-13.26	-7.85	1.50	11.34
7007.12	5.15	210.61	6985.82	-412.10	-243.81	0.00	352.20
7521.99	0.00	0.00	7500.00	-432.00	-255.58	1.00	369.21
9352.07	0.00	0.00	9330.08	-432.00	-255.58	0.00	369.21
9618.97	90.00	0.00	9500.00	-262.08	-255.58	33.72	320.25
3785.52	90.00	0.00	9500.00	3904.47	-255.58	0.00	-880.20
5803.92	90.00	180.43	9500.00	3909.27	-1543.56	8.90	351.78
0107.36	90.00	180.43	9500.00	-394.06	-1575.65	0.00	1622.37
0107.55	90.00	180.41	9500.00	-394.25	-1575.65	8.90	1622.43
0187.55	90.00	180.41	9500.00	-474.25	-1576.23	0.00	1646.03

STRANGER 33 FED 101H
Lea County (NAD83 New Mexico East)
Northing: 394302.65
Easting: 809463.32
Lat: 32.0810600
Long: -103.4676300
Plat R1 r2(660FEL, 1980FEL) AVALON A





Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Project Lea County (NAD83 New Mexico East)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 33-T25S-R34E

Site Position:		**Northing:**	399,056.87 usft	**Latitude:**	32.0942355
From:	Map	**Easting:**	804,533.73 usft	**Longitude:**	-103.4834238
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.20 in		

Well STRANGER 33 FED 101H

Well Position	**+N/-S**	0.00 ft	**Northing:**	394,302.65 usft	**Latitude:**	32.0810600
	+E/-W	0.00 ft	**Easting:**	809,463.32 usft	**Longitude:**	-103.4676300
Position Uncertainty		0.50 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,322.20 ft
Grid Convergence:		0.46 °				

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/14/2024	6.11	59.85	47,130.81725731

Design Plat R1 r2(660FEL, 1980FEL) AVALON A

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	253.25

Plan Survey Tool Program **Date** 5/29/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,187.45	Plat R1 r2(660FEL, 1980FEL) AV	MWD+IFR1+FDIR	
				OWSG MWD + IFR1 + FDIR C	

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Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,843.25	5.15	210.61	1,842.79	-13.26	-7.85	1.50	1.50	0.00	210.61	
7,007.12	5.15	210.61	6,985.82	-412.10	-243.81	0.00	0.00	0.00	0.00	
7,521.99	0.00	0.00	7,500.00	-432.00	-255.58	1.00	-1.00	0.00	180.00	
9,352.07	0.00	0.00	9,330.08	-432.00	-255.58	0.00	0.00	0.00	0.00	
9,618.97	90.00	0.00	9,500.00	-262.08	-255.58	33.72	33.72	0.00	0.00	
13,785.52	90.00	0.00	9,500.00	3,904.47	-255.58	0.00	0.00	0.00	0.00	
15,803.92	90.00	180.43	9,500.00	3,909.27	-1,543.56	8.90	0.00	-8.90	-90.00	
20,107.36	90.00	180.43	9,500.00	-394.06	-1,575.65	0.00	0.00	0.00	0.00	
20,107.55	90.00	180.41	9,500.00	-394.25	-1,575.65	8.90	0.00	-8.90	-90.00	LTP (Str 101H) 100FS
20,187.55	90.00	180.41	9,500.00	-474.25	-1,576.23	0.00	0.00	0.00	0.00	

Planning Report - Geographic

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Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
100.00	0.00	0.00	100.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
200.00	0.00	0.00	200.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
300.00	0.00	0.00	300.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
400.00	0.00	0.00	400.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
500.00	0.00	0.00	500.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
600.00	0.00	0.00	600.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
700.00	0.00	0.00	700.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
800.00	0.00	0.00	800.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
860.00	0.00	0.00	860.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
Rustler									
900.00	0.00	0.00	900.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,000.00	0.00	0.00	1,000.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,100.00	0.00	0.00	1,100.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,200.00	0.00	0.00	1,200.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,210.00	0.00	0.00	1,210.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
Salt									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,400.00	0.00	0.00	1,400.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,500.00	0.00	0.00	1,500.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,600.00	1.50	210.61	1,599.99	-1.13	-0.67	394,301.52	809,462.65	32.0810569	-103.4676322
1,700.00	3.00	210.61	1,699.91	-4.51	-2.67	394,298.14	809,460.65	32.0810477	-103.4676387
1,800.00	4.50	210.61	1,799.69	-10.13	-6.00	394,292.51	809,457.32	32.0810323	-103.4676496
1,843.25	5.15	210.61	1,842.79	-13.26	-7.85	394,289.38	809,455.47	32.0810237	-103.4676557
1,900.00	5.15	210.61	1,899.31	-17.65	-10.44	394,285.00	809,452.88	32.0810117	-103.4676642
2,000.00	5.15	210.61	1,998.91	-25.37	-15.01	394,277.27	809,448.31	32.0809906	-103.4676791
2,100.00	5.15	210.61	2,098.50	-33.10	-19.58	394,269.55	809,443.74	32.0809695	-103.4676941
2,200.00	5.15	210.61	2,198.10	-40.82	-24.15	394,261.83	809,439.17	32.0809484	-103.4677090
2,300.00	5.15	210.61	2,297.70	-48.54	-28.72	394,254.10	809,434.60	32.0809272	-103.4677240
2,400.00	5.15	210.61	2,397.29	-56.27	-33.29	394,246.38	809,430.03	32.0809061	-103.4677389
2,500.00	5.15	210.61	2,496.89	-63.99	-37.86	394,238.66	809,425.46	32.0808850	-103.4677539
2,600.00	5.15	210.61	2,596.48	-71.71	-42.43	394,230.93	809,420.89	32.0808638	-103.4677688
2,700.00	5.15	210.61	2,696.08	-79.44	-47.00	394,223.21	809,416.32	32.0808427	-103.4677838
2,800.00	5.15	210.61	2,795.68	-87.16	-51.57	394,215.49	809,411.75	32.0808216	-103.4677987
2,900.00	5.15	210.61	2,895.27	-94.88	-56.13	394,207.76	809,407.18	32.0808005	-103.4678137
3,000.00	5.15	210.61	2,994.87	-102.61	-60.70	394,200.04	809,402.61	32.0807793	-103.4678286
3,100.00	5.15	210.61	3,094.47	-110.33	-65.27	394,192.31	809,398.04	32.0807582	-103.4678436
3,200.00	5.15	210.61	3,194.06	-118.06	-69.84	394,184.59	809,393.47	32.0807371	-103.4678585
3,300.00	5.15	210.61	3,293.66	-125.78	-74.41	394,176.87	809,388.91	32.0807159	-103.4678735
3,400.00	5.15	210.61	3,393.26	-133.50	-78.98	394,169.14	809,384.34	32.0806948	-103.4678884
3,500.00	5.15	210.61	3,492.85	-141.23	-83.55	394,161.42	809,379.77	32.0806737	-103.4679034
3,600.00	5.15	210.61	3,592.45	-148.95	-88.12	394,153.70	809,375.20	32.0806526	-103.4679183
3,700.00	5.15	210.61	3,692.05	-156.67	-92.69	394,145.97	809,370.63	32.0806314	-103.4679333
3,800.00	5.15	210.61	3,791.64	-164.40	-97.26	394,138.25	809,366.06	32.0806103	-103.4679482
3,900.00	5.15	210.61	3,891.24	-172.12	-101.83	394,130.53	809,361.49	32.0805892	-103.4679632
4,000.00	5.15	210.61	3,990.84	-179.84	-106.40	394,122.80	809,356.92	32.0805680	-103.4679781
4,100.00	5.15	210.61	4,090.43	-187.57	-110.97	394,115.08	809,352.35	32.0805469	-103.4679931
4,200.00	5.15	210.61	4,190.03	-195.29	-115.54	394,107.35	809,347.78	32.0805258	-103.4680080
4,300.00	5.15	210.61	4,289.63	-203.02	-120.11	394,099.63	809,343.21	32.0805047	-103.4680230
4,400.00	5.15	210.61	4,389.22	-210.74	-124.68	394,091.91	809,338.64	32.0804835	-103.4680380
4,500.00	5.15	210.61	4,488.82	-218.46	-129.25	394,084.18	809,334.07	32.0804624	-103.4680529
4,600.00	5.15	210.61	4,588.42	-226.19	-133.82	394,076.46	809,329.50	32.0804413	-103.4680679
4,700.00	5.15	210.61	4,688.01	-233.91	-138.38	394,068.74	809,324.93	32.0804201	-103.4680828
4,800.00	5.15	210.61	4,787.61	-241.63	-142.95	394,061.01	809,320.36	32.0803990	-103.4680978

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,900.00	5.15	210.61	4,887.20	-249.36	-147.52	394,053.29	809,315.79	32.0803779	-103.4681127
5,000.00	5.15	210.61	4,986.80	-257.08	-152.09	394,045.57	809,311.23	32.0803568	-103.4681277
5,043.37	5.15	210.61	5,030.00	-260.43	-154.07	394,042.22	809,309.24	32.0803476	-103.4681341
Base of Salt									
5,100.00	5.15	210.61	5,086.40	-264.80	-156.66	394,037.84	809,306.66	32.0803356	-103.4681426
5,200.00	5.15	210.61	5,185.99	-272.53	-161.23	394,030.12	809,302.09	32.0803145	-103.4681576
5,300.00	5.15	210.61	5,285.59	-280.25	-165.80	394,022.40	809,297.52	32.0802934	-103.4681725
5,309.45	5.15	210.61	5,295.00	-280.98	-166.23	394,021.67	809,297.09	32.0802914	-103.4681739
Delaware									
5,400.00	5.15	210.61	5,385.19	-287.98	-170.37	394,014.67	809,292.95	32.0802722	-103.4681875
5,500.00	5.15	210.61	5,484.78	-295.70	-174.94	394,006.95	809,288.38	32.0802511	-103.4682024
5,600.00	5.15	210.61	5,584.38	-303.42	-179.51	393,999.22	809,283.81	32.0802300	-103.4682174
5,700.00	5.15	210.61	5,683.98	-311.15	-184.08	393,991.50	809,279.24	32.0802089	-103.4682323
5,800.00	5.15	210.61	5,783.57	-318.87	-188.65	393,983.78	809,274.67	32.0801877	-103.4682473
5,900.00	5.15	210.61	5,883.17	-326.59	-193.22	393,976.05	809,270.10	32.0801666	-103.4682622
6,000.00	5.15	210.61	5,982.77	-334.32	-197.79	393,968.33	809,265.53	32.0801455	-103.4682772
6,100.00	5.15	210.61	6,082.36	-342.04	-202.36	393,960.61	809,260.96	32.0801243	-103.4682921
6,200.00	5.15	210.61	6,181.96	-349.76	-206.93	393,952.88	809,256.39	32.0801032	-103.4683071
6,300.00	5.15	210.61	6,281.56	-357.49	-211.50	393,945.16	809,251.82	32.0800821	-103.4683220
6,400.00	5.15	210.61	6,381.15	-365.21	-216.06	393,937.44	809,247.25	32.0800610	-103.4683370
6,454.07	5.15	210.61	6,435.00	-369.39	-218.53	393,933.26	809,244.78	32.0800495	-103.4683451
Cherry Canyon									
6,500.00	5.15	210.61	6,480.75	-372.94	-220.63	393,929.71	809,242.68	32.0800398	-103.4683519
6,600.00	5.15	210.61	6,580.35	-380.66	-225.20	393,921.99	809,238.11	32.0800187	-103.4683669
6,700.00	5.15	210.61	6,679.94	-388.38	-229.77	393,914.26	809,233.55	32.0799976	-103.4683818
6,800.00	5.15	210.61	6,779.54	-396.11	-234.34	393,906.54	809,228.98	32.0799764	-103.4683968
6,900.00	5.15	210.61	6,879.14	-403.83	-238.91	393,898.82	809,224.41	32.0799553	-103.4684117
7,007.12	5.15	210.61	6,985.82	-412.10	-243.81	393,890.54	809,219.51	32.0799327	-103.4684278
7,100.00	4.22	210.61	7,078.39	-418.63	-247.67	393,884.02	809,215.65	32.0799148	-103.4684404
7,200.00	3.22	210.61	7,178.18	-424.22	-250.97	393,878.43	809,212.35	32.0798995	-103.4684512
7,300.00	2.22	210.61	7,278.07	-428.30	-253.39	393,874.35	809,209.93	32.0798884	-103.4684591
7,400.00	1.22	210.61	7,378.02	-430.88	-254.92	393,871.76	809,208.40	32.0798813	-103.4684641
7,500.00	0.22	210.61	7,478.01	-431.96	-255.56	393,870.68	809,207.76	32.0798783	-103.4684662
7,521.99	0.00	0.00	7,500.00	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,600.00	0.00	0.00	7,578.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,700.00	0.00	0.00	7,678.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,800.00	0.00	0.00	7,778.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,900.00	0.00	0.00	7,878.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,981.99	0.00	0.00	7,960.00	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
Brushy Canyon									
8,000.00	0.00	0.00	7,978.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,100.00	0.00	0.00	8,078.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,200.00	0.00	0.00	8,178.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,300.00	0.00	0.00	8,278.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,400.00	0.00	0.00	8,378.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,500.00	0.00	0.00	8,478.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,600.00	0.00	0.00	8,578.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,700.00	0.00	0.00	8,678.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,800.00	0.00	0.00	8,778.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,900.00	0.00	0.00	8,878.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,000.00	0.00	0.00	8,978.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,100.00	0.00	0.00	9,078.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,200.00	0.00	0.00	9,178.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,300.00	0.00	0.00	9,278.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,352.07	0.00	0.00	9,330.08	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
KOP@9352.07'MD									
9,360.00	2.67	0.00	9,338.01	-431.81	-255.58	393,870.83	809,207.74	32.0798788	-103.4684663
9,370.00	6.05	0.00	9,347.98	-431.05	-255.58	393,871.59	809,207.74	32.0798808	-103.4684663
9,380.00	9.42	0.00	9,357.88	-429.71	-255.58	393,872.94	809,207.74	32.0798845	-103.4684662
9,390.00	12.79	0.00	9,367.70	-427.78	-255.58	393,874.86	809,207.74	32.0798898	-103.4684662
9,400.00	16.16	0.00	9,377.38	-425.28	-255.58	393,877.36	809,207.74	32.0798967	-103.4684661
9,410.00	19.53	0.00	9,386.89	-422.22	-255.58	393,880.43	809,207.74	32.0799051	-103.4684660
9,420.00	22.91	0.00	9,396.22	-418.60	-255.58	393,884.05	809,207.74	32.0799151	-103.4684659
9,430.00	26.28	0.00	9,405.31	-414.44	-255.58	393,888.21	809,207.74	32.0799265	-103.4684658
9,440.00	29.65	0.00	9,414.14	-409.75	-255.58	393,892.90	809,207.74	32.0799394	-103.4684657
9,450.00	33.02	0.00	9,422.68	-404.55	-255.58	393,898.09	809,207.74	32.0799537	-103.4684656
9,460.00	36.39	0.00	9,430.90	-398.86	-255.58	393,903.79	809,207.74	32.0799693	-103.4684654
9,470.00	39.77	0.00	9,438.77	-392.69	-255.58	393,909.95	809,207.74	32.0799863	-103.4684653
9,480.00	43.14	0.00	9,446.26	-386.07	-255.58	393,916.57	809,207.74	32.0800045	-103.4684651
9,485.20	44.89	0.00	9,450.00	-382.46	-255.58	393,920.19	809,207.74	32.0800144	-103.4684650
FTP@9485.20'MD - 1st bone spring									
9,490.00	46.51	0.00	9,453.35	-379.02	-255.58	393,923.62	809,207.74	32.0800239	-103.4684649
9,500.00	49.88	0.00	9,460.02	-371.57	-255.58	393,931.08	809,207.74	32.0800443	-103.4684647
9,510.00	53.25	0.00	9,466.23	-363.74	-255.58	393,938.91	809,207.74	32.0800659	-103.4684645
9,516.46	55.43	0.00	9,470.00	-358.49	-255.58	393,944.16	809,207.74	32.0800803	-103.4684644
avalon									
9,520.00	56.63	0.00	9,471.98	-355.56	-255.58	393,947.09	809,207.74	32.0800884	-103.4684643
9,530.00	60.00	0.00	9,477.23	-347.05	-255.58	393,955.60	809,207.74	32.0801117	-103.4684641
9,540.00	63.37	0.00	9,481.97	-338.24	-255.58	393,964.40	809,207.74	32.0801359	-103.4684639
9,550.00	66.74	0.00	9,486.19	-329.18	-255.58	393,973.47	809,207.74	32.0801609	-103.4684636
9,560.00	70.11	0.00	9,489.86	-319.88	-255.58	393,982.77	809,207.74	32.0801864	-103.4684634
9,570.00	73.49	0.00	9,492.99	-310.38	-255.58	393,992.26	809,207.74	32.0802125	-103.4684631
9,580.00	76.86	0.00	9,495.55	-300.72	-255.58	394,001.93	809,207.74	32.0802391	-103.4684629
9,590.00	80.23	0.00	9,497.53	-290.92	-255.58	394,011.73	809,207.74	32.0802660	-103.4684626
9,600.00	83.60	0.00	9,498.94	-281.02	-255.58	394,021.63	809,207.74	32.0802932	-103.4684624
9,610.00	86.97	0.00	9,499.76	-271.05	-255.58	394,031.59	809,207.74	32.0803206	-103.4684621
9,618.97	90.00	0.00	9,500.00	-262.08	-255.58	394,040.56	809,207.74	32.0803453	-103.4684619
9,700.00	90.00	0.00	9,500.00	-181.06	-255.58	394,121.59	809,207.74	32.0805680	-103.4684598
9,800.00	90.00	0.00	9,500.00	-81.06	-255.58	394,221.59	809,207.74	32.0808429	-103.4684572
9,900.00	90.00	0.00	9,500.00	18.94	-255.58	394,321.59	809,207.74	32.0811177	-103.4684546
10,000.00	90.00	0.00	9,500.00	118.94	-255.58	394,421.59	809,207.74	32.0813926	-103.4684520
10,100.00	90.00	0.00	9,500.00	218.94	-255.58	394,521.59	809,207.74	32.0816675	-103.4684494
10,200.00	90.00	0.00	9,500.00	318.94	-255.58	394,621.59	809,207.74	32.0819423	-103.4684468
10,300.00	90.00	0.00	9,500.00	418.94	-255.58	394,721.59	809,207.74	32.0822172	-103.4684443
10,400.00	90.00	0.00	9,500.00	518.94	-255.58	394,821.59	809,207.74	32.0824921	-103.4684417
10,500.00	90.00	0.00	9,500.00	618.94	-255.58	394,921.59	809,207.74	32.0827669	-103.4684391
10,600.00	90.00	0.00	9,500.00	718.94	-255.58	395,021.59	809,207.74	32.0830418	-103.4684365
10,700.00	90.00	0.00	9,500.00	818.94	-255.58	395,121.59	809,207.74	32.0833166	-103.4684339
10,800.00	90.00	0.00	9,500.00	918.94	-255.58	395,221.59	809,207.74	32.0835915	-103.4684313
10,900.00	90.00	0.00	9,500.00	1,018.94	-255.58	395,321.59	809,207.74	32.0838664	-103.4684287
11,000.00	90.00	0.00	9,500.00	1,118.94	-255.58	395,421.59	809,207.74	32.0841412	-103.4684261
11,100.00	90.00	0.00	9,500.00	1,218.94	-255.58	395,521.59	809,207.74	32.0844161	-103.4684235
11,200.00	90.00	0.00	9,500.00	1,318.94	-255.58	395,621.59	809,207.74	32.0846910	-103.4684210
11,300.00	90.00	0.00	9,500.00	1,418.94	-255.58	395,721.59	809,207.74	32.0849658	-103.4684184
11,400.00	90.00	0.00	9,500.00	1,518.94	-255.58	395,821.59	809,207.74	32.0852407	-103.4684158
11,500.00	90.00	0.00	9,500.00	1,618.94	-255.58	395,921.59	809,207.74	32.0855156	-103.4684132
11,600.00	90.00	0.00	9,500.00	1,718.94	-255.58	396,021.58	809,207.74	32.0857904	-103.4684106
11,700.00	90.00	0.00	9,500.00	1,818.94	-255.58	396,121.58	809,207.74	32.0860653	-103.4684080

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,800.00	90.00	0.00	9,500.00	1,918.94	-255.58	396,221.58	809,207.74	32.0863402	-103.4684054
11,900.00	90.00	0.00	9,500.00	2,018.94	-255.58	396,321.58	809,207.74	32.0866150	-103.4684028
12,000.00	90.00	0.00	9,500.00	2,118.94	-255.58	396,421.58	809,207.74	32.0868899	-103.4684002
12,100.00	90.00	0.00	9,500.00	2,218.94	-255.58	396,521.58	809,207.74	32.0871648	-103.4683977
12,200.00	90.00	0.00	9,500.00	2,318.94	-255.58	396,621.58	809,207.74	32.0874396	-103.4683951
12,300.00	90.00	0.00	9,500.00	2,418.94	-255.58	396,721.58	809,207.74	32.0877145	-103.4683925
12,400.00	90.00	0.00	9,500.00	2,518.94	-255.58	396,821.58	809,207.74	32.0879893	-103.4683899
12,500.00	90.00	0.00	9,500.00	2,618.94	-255.58	396,921.58	809,207.74	32.0882642	-103.4683873
12,600.00	90.00	0.00	9,500.00	2,718.94	-255.58	397,021.58	809,207.74	32.0885391	-103.4683847
12,700.00	90.00	0.00	9,500.00	2,818.94	-255.58	397,121.58	809,207.74	32.0888139	-103.4683821
12,800.00	90.00	0.00	9,500.00	2,918.94	-255.58	397,221.58	809,207.74	32.0890888	-103.4683795
12,900.00	90.00	0.00	9,500.00	3,018.94	-255.58	397,321.58	809,207.74	32.0893637	-103.4683769
13,000.00	90.00	0.00	9,500.00	3,118.94	-255.58	397,421.58	809,207.74	32.0896385	-103.4683743
13,100.00	90.00	0.00	9,500.00	3,218.94	-255.58	397,521.58	809,207.74	32.0899134	-103.4683718
13,200.00	90.00	0.00	9,500.00	3,318.94	-255.58	397,621.58	809,207.74	32.0901883	-103.4683692
13,300.00	90.00	0.00	9,500.00	3,418.94	-255.58	397,721.58	809,207.74	32.0904631	-103.4683666
13,400.00	90.00	0.00	9,500.00	3,518.94	-255.58	397,821.58	809,207.74	32.0907380	-103.4683640
13,500.00	90.00	0.00	9,500.00	3,618.94	-255.58	397,921.58	809,207.74	32.0910129	-103.4683614
13,600.00	90.00	0.00	9,500.00	3,718.94	-255.58	398,021.58	809,207.74	32.0912877	-103.4683588
13,700.00	90.00	0.00	9,500.00	3,818.94	-255.58	398,121.58	809,207.74	32.0915626	-103.4683562
13,785.52	90.00	0.00	9,500.00	3,904.47	-255.58	398,207.10	809,207.74	32.0917977	-103.4683540
13,800.00	90.00	358.71	9,500.00	3,918.94	-255.74	398,221.58	809,207.58	32.0918374	-103.4683542
13,850.00	90.00	354.26	9,500.00	3,968.83	-258.80	398,271.47	809,204.52	32.0919747	-103.4683627
13,900.00	90.00	349.82	9,500.00	4,018.34	-265.73	398,320.98	809,197.59	32.0921109	-103.4683838
13,950.00	90.00	345.37	9,500.00	4,067.16	-276.47	398,369.80	809,186.85	32.0922453	-103.4684172
14,000.00	90.00	340.92	9,500.00	4,115.00	-290.96	398,417.64	809,172.36	32.0923771	-103.4684628
14,050.00	90.00	336.47	9,500.00	4,161.57	-309.13	398,464.21	809,154.19	32.0925055	-103.4685202
14,100.00	90.00	332.02	9,500.00	4,206.59	-330.85	398,509.23	809,132.47	32.0926298	-103.4685892
14,150.00	90.00	327.57	9,500.00	4,249.79	-355.99	398,552.43	809,107.33	32.0927491	-103.4686693
14,200.00	90.00	323.12	9,500.00	4,290.92	-384.41	398,593.55	809,078.90	32.0928627	-103.4687600
14,250.00	90.00	318.68	9,500.00	4,329.71	-415.94	398,632.35	809,047.38	32.0929700	-103.4688608
14,300.00	90.00	314.23	9,500.00	4,365.94	-450.38	398,668.58	809,012.94	32.0930704	-103.4689710
14,350.00	90.00	309.78	9,500.00	4,399.39	-487.52	398,702.03	808,975.79	32.0931631	-103.4690901
14,400.00	90.00	305.33	9,500.00	4,429.86	-527.15	398,732.50	808,936.17	32.0932478	-103.4692173
14,450.00	90.00	300.88	9,500.00	4,457.16	-569.02	398,759.80	808,894.29	32.0933237	-103.4693518
14,500.00	90.00	296.43	9,500.00	4,481.14	-612.89	398,783.77	808,850.43	32.0933906	-103.4694928
14,550.00	90.00	291.99	9,500.00	4,501.63	-658.48	398,804.27	808,804.84	32.0934479	-103.4696394
14,600.00	90.00	287.54	9,500.00	4,518.54	-705.52	398,821.17	808,757.80	32.0934954	-103.4697909
14,650.00	90.00	283.09	9,500.00	4,531.74	-753.74	398,834.37	808,709.58	32.0935328	-103.4699462
14,673.30	90.00	281.02	9,500.00	4,536.60	-776.52	398,839.24	808,686.80	32.0935467	-103.4700197
TP#2@14673.30'MD_start no perf									
14,700.00	90.00	278.64	9,500.00	4,541.16	-802.83	398,843.80	808,660.49	32.0935598	-103.4701045
14,750.00	90.00	274.19	9,500.00	4,546.75	-852.50	398,849.38	808,610.82	32.0935762	-103.4702647
14,800.00	90.00	269.74	9,500.00	4,548.46	-902.46	398,851.10	808,560.86	32.0935820	-103.4704260
14,850.00	90.00	265.30	9,500.00	4,546.30	-952.40	398,848.94	808,510.92	32.0935772	-103.4705873
14,900.00	90.00	260.85	9,500.00	4,540.27	-1,002.02	398,842.91	808,461.30	32.0935617	-103.4707477
14,950.00	90.00	256.40	9,500.00	4,530.41	-1,051.03	398,833.05	808,412.29	32.0935357	-103.4709062
14,954.00	90.00	256.04	9,500.00	4,529.46	-1,054.91	398,832.09	808,408.41	32.0935331	-103.4709187
TP#3@14954.00'MD_end No perf									
15,000.00	90.00	251.95	9,500.00	4,516.78	-1,099.12	398,819.41	808,364.20	32.0934993	-103.4710618
15,050.00	90.00	247.50	9,500.00	4,499.46	-1,146.01	398,802.09	808,317.31	32.0934527	-103.4712137
15,100.00	90.00	243.05	9,500.00	4,478.55	-1,191.42	398,781.19	808,271.90	32.0933962	-103.4713608
15,150.00	90.00	238.60	9,500.00	4,454.18	-1,235.06	398,756.82	808,228.26	32.0933302	-103.4715024
15,200.00	90.00	234.16	9,500.00	4,426.51	-1,276.69	398,729.15	808,186.63	32.0932550	-103.4716375

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,250.00	90.00	229.71	9,500.00	4,395.69	-1,316.04	398,698.32	808,147.28	32.0931712	-103.4717653
15,300.00	90.00	225.26	9,500.00	4,361.90	-1,352.89	398,664.54	808,110.43	32.0930791	-103.4718852
15,350.00	90.00	220.81	9,500.00	4,325.37	-1,387.00	398,628.00	808,076.32	32.0929795	-103.4719963
15,400.00	90.00	216.36	9,500.00	4,286.29	-1,418.18	398,588.93	808,045.14	32.0928727	-103.4720979
15,450.00	90.00	211.91	9,500.00	4,244.92	-1,446.23	398,547.56	808,017.09	32.0927596	-103.4721896
15,500.00	90.00	207.47	9,500.00	4,201.50	-1,470.99	398,504.13	807,992.33	32.0926408	-103.4722707
15,550.00	90.00	203.02	9,500.00	4,156.28	-1,492.31	398,458.92	807,971.01	32.0925170	-103.4723406
15,600.00	90.00	198.57	9,500.00	4,109.55	-1,510.06	398,412.19	807,953.27	32.0923890	-103.4723991
15,650.00	90.00	194.12	9,500.00	4,061.58	-1,524.12	398,364.22	807,939.20	32.0922574	-103.4724458
15,700.00	90.00	189.67	9,500.00	4,012.67	-1,534.43	398,315.31	807,928.89	32.0921232	-103.4724803
15,750.00	90.00	185.22	9,500.00	3,963.10	-1,540.91	398,265.74	807,922.41	32.0919871	-103.4725025
15,803.92	90.00	180.43	9,500.00	3,909.27	-1,543.56	398,211.91	807,919.76	32.0918392	-103.4725125
15,900.00	90.00	180.43	9,500.00	3,813.19	-1,544.28	398,115.83	807,919.04	32.0915751	-103.4725173
16,000.00	90.00	180.43	9,500.00	3,713.19	-1,545.03	398,015.83	807,918.29	32.0913003	-103.4725223
16,100.00	90.00	180.43	9,500.00	3,613.19	-1,545.77	397,915.83	807,917.55	32.0910254	-103.4725273
16,200.00	90.00	180.43	9,500.00	3,513.20	-1,546.52	397,815.83	807,916.80	32.0907506	-103.4725322
16,300.00	90.00	180.43	9,500.00	3,413.20	-1,547.26	397,715.84	807,916.06	32.0904757	-103.4725372
16,400.00	90.00	180.43	9,500.00	3,313.20	-1,548.01	397,615.84	807,915.31	32.0902009	-103.4725422
16,500.00	90.00	180.43	9,500.00	3,213.20	-1,548.75	397,515.84	807,914.57	32.0899261	-103.4725472
16,600.00	90.00	180.43	9,500.00	3,113.21	-1,549.50	397,415.85	807,913.82	32.0896512	-103.4725522
16,700.00	90.00	180.43	9,500.00	3,013.21	-1,550.25	397,315.85	807,913.07	32.0893764	-103.4725572
16,800.00	90.00	180.43	9,500.00	2,913.21	-1,550.99	397,215.85	807,912.33	32.0891015	-103.4725622
16,900.00	90.00	180.43	9,500.00	2,813.21	-1,551.74	397,115.86	807,911.58	32.0888267	-103.4725671
17,000.00	90.00	180.43	9,500.00	2,713.22	-1,552.48	397,015.86	807,910.84	32.0885519	-103.4725721
17,100.00	90.00	180.43	9,500.00	2,613.22	-1,553.23	396,915.86	807,910.09	32.0882770	-103.4725771
17,200.00	90.00	180.43	9,500.00	2,513.22	-1,553.97	396,815.86	807,909.35	32.0880022	-103.4725821
17,300.00	90.00	180.43	9,500.00	2,413.23	-1,554.72	396,715.87	807,908.60	32.0877273	-103.4725871
17,400.00	90.00	180.43	9,500.00	2,313.23	-1,555.47	396,615.87	807,907.86	32.0874525	-103.4725921
17,500.00	90.00	180.43	9,500.00	2,213.23	-1,556.21	396,515.87	807,907.11	32.0871777	-103.4725970
17,600.00	90.00	180.43	9,500.00	2,113.23	-1,556.96	396,415.88	807,906.36	32.0869028	-103.4726020
17,700.00	90.00	180.43	9,500.00	2,013.24	-1,557.70	396,315.88	807,905.62	32.0866280	-103.4726070
17,800.00	90.00	180.43	9,500.00	1,913.24	-1,558.45	396,215.88	807,904.87	32.0863531	-103.4726120
17,900.00	90.00	180.43	9,500.00	1,813.24	-1,559.19	396,115.88	807,904.13	32.0860783	-103.4726170
18,000.00	90.00	180.43	9,500.00	1,713.25	-1,559.94	396,015.89	807,903.38	32.0858034	-103.4726220
18,100.00	90.00	180.43	9,500.00	1,613.25	-1,560.69	395,915.89	807,902.64	32.0855286	-103.4726269
18,200.00	90.00	180.43	9,500.00	1,513.25	-1,561.43	395,815.89	807,901.89	32.0852538	-103.4726319
18,300.00	90.00	180.43	9,500.00	1,413.25	-1,562.18	395,715.90	807,901.14	32.0849789	-103.4726369
18,400.00	90.00	180.43	9,500.00	1,313.26	-1,562.92	395,615.90	807,900.40	32.0847041	-103.4726419
18,500.00	90.00	180.43	9,500.00	1,213.26	-1,563.67	395,515.90	807,899.65	32.0844292	-103.4726469
18,600.00	90.00	180.43	9,500.00	1,113.26	-1,564.41	395,415.91	807,898.91	32.0841544	-103.4726519
18,700.00	90.00	180.43	9,500.00	1,013.26	-1,565.16	395,315.91	807,898.16	32.0838796	-103.4726569
18,800.00	90.00	180.43	9,500.00	913.27	-1,565.90	395,215.91	807,897.42	32.0836047	-103.4726618
18,900.00	90.00	180.43	9,500.00	813.27	-1,566.65	395,115.91	807,896.67	32.0833299	-103.4726668
19,000.00	90.00	180.43	9,500.00	713.27	-1,567.40	395,015.92	807,895.92	32.0830550	-103.4726718
19,100.00	90.00	180.43	9,500.00	613.28	-1,568.14	394,915.92	807,895.18	32.0827802	-103.4726768
19,200.00	90.00	180.43	9,500.00	513.28	-1,568.89	394,815.92	807,894.43	32.0825054	-103.4726818
19,300.00	90.00	180.43	9,500.00	413.28	-1,569.63	394,715.93	807,893.69	32.0822305	-103.4726868
19,400.00	90.00	180.43	9,500.00	313.28	-1,570.38	394,615.93	807,892.94	32.0819557	-103.4726917
19,500.00	90.00	180.43	9,500.00	213.29	-1,571.12	394,515.93	807,892.20	32.0816808	-103.4726967
19,600.00	90.00	180.43	9,500.00	113.29	-1,571.87	394,415.94	807,891.45	32.0814060	-103.4727017
19,700.00	90.00	180.43	9,500.00	13.29	-1,572.62	394,315.94	807,890.70	32.0811312	-103.4727067
19,800.00	90.00	180.43	9,500.00	-86.70	-1,573.36	394,215.94	807,889.96	32.0808563	-103.4727117
19,900.00	90.00	180.43	9,500.00	-186.70	-1,574.11	394,115.94	807,889.21	32.0805815	-103.4727166
20,000.00	90.00	180.43	9,500.00	-286.70	-1,574.85	394,015.95	807,888.47	32.0803066	-103.4727216
20,107.36	90.00	180.43	9,500.00	-394.06	-1,575.65	393,908.59	807,887.67	32.0800116	-103.4727270

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
20,107.55	90.00	180.43	9,500.00	-394.25	-1,575.65	393,908.40	807,887.67	32.0800110	-103.4727270
LTP@20107.55'MD									
20,187.55	90.00	180.41	9,500.00	-474.25	-1,576.23	393,828.40	807,887.09	32.0797912	-103.4727309

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TP #3 (256FNL, 1613FE - plan misses target center by 4699.31ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	4,529.46	-1,252.01	398,832.10	808,211.31	32.0935375	-103.4715551
TP #2 (254FNL, 918FEL - plan misses target center by 4570.73ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	4,536.60	-557.51	398,839.24	808,905.81	32.0935418	-103.4693125
FTP (Str 101H) 100FSL, - plan misses target center by 459.81ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-382.24	-255.58	393,920.41	809,207.74	32.0800150	-103.4684650
LTP (Str 101H) 100FSL, - plan hits target center - Point	0.00	0.00	9,500.00	-394.25	-1,575.65	393,908.40	807,887.67	32.0800110	-103.4727270

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
860.00	860.00	Rustler			
1,210.00	1,210.00	Salt			
5,043.37	5,030.00	Base of Salt			
5,309.45	5,295.00	Delaware			
6,454.07	6,435.00	Cherry Canyon			
7,981.99	7,960.00	Brushy Canyon			
9,485.20	9,450.00	1st bone spring			
9,516.46	9,470.00	avalon			

Plan Annotations

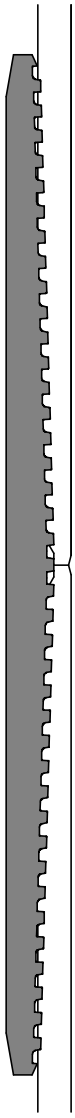
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
9,352.07	9,330.08	-432.00	-255.58	KOP@9352.07'MD
9,485.20	9,450.00	-382.46	-255.58	FTP@9485.20'MD
14,673.30	9,500.00	4,536.60	-776.52	TP#2@14673.30'MD_start no perf
14,954.00	9,500.00	4,529.46	-1,054.91	TP#3@14954.00'MD_end No perf
20,107.55	9,500.00	-394.25	-1,575.65	LTP@20107.55'MD

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

Metal One Tubular Connection

Special Clearance Coupling with Special bevel (20°)
Thread Taper 1 / 16 TAPER (0.750 inch per foot) 5 T.P.I.
Special Drift

Created at: Mon, Sep 29, 2025 13:54:49 CT



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

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

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

Notes:
1. Operational Maximum Torque can be applied for high torque application
2. Option of Resiliance Ring is available for GEOCONN
3. Interchangable with API BC

STRANGER 33 FED 101H

1. Geologic Formations

TVD of target	9500	Pilot hole depth	N/A
MD at TD:	20187	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	860		
Salt	1210		
Base of Salt	5030		
Delaware	5295		
Cherry Canyon	6435		
Brushy Canyon	7960		
1st bone spring	9450		
avalon	9470		

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

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	54 1/2	J-55	BTC	0	930	0	930
9 7/8	8 5/8	32	J-55	GEOCONN	0	5395	0	5395
7 7/8	5 1/2	20	P110	DWC / C-IS+	0	20187	0	9500

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

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	711	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	330	Surf	9.0	3.3	Lead: Class C Cement + additives
	67	4895	13.2	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	429	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	330	Surf	9.0	3.3	Lead: Class C Cement + additives
	67	4895	13.2	1.4	Tail: Class H / C + additives
Production	330	4895	9.0	3.3	Lead: Class H /C + additives
	1446	9265	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%

STRANGER 33 FED 101H

4. Pressure Control Equipment (Three String Design)

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

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 sbumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

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

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4446
Abnormal temperature	No

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

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

8. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

1 Spudder rig will move in and batch drill surface hole.
    a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
    a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

X Directional Plan

_____ Other, describe

Well Name: STRANGER 33 FED

Well Location: T25S / R34E / SEC 33 / SESE / 32.08106 / -103.46763

County or Parish/State: LEA / NM

Well Number: 101H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM113898

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002555203

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2881758

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/06/2025

Time Sundry Submitted: 03:11

Date proposed operation will begin: 11/06/2025

Procedure Description: Engineering only. Devon Energy Production Company L.P. respectfully requests the following changes to the approved APO: Casing program change: Surface casing depth change. Intermediate and Production casing hole size changes. Intermediate casing size change. Cement volume changes to accommodate casing changes. Please see attached revised drill plan and spec sheet.

NOI Attachments

Procedure Description

STRANGER_33_FED_101H_Permit_Plan_1_r2_660FEL__1980FEL__AVALON_A_20251210142239.pdf

8.625_32lb_J55_GEOCONN_20251106140200.pdf

STRANGER_33_FED_101H_11_06_2025_20251106140158.pdf

Well Name: STRANGER 33 FED

Well Location: T25S / R34E / SEC 33 / SESE / 32.08106 / -103.46763

County or Parish/State: LEA / NM

Well Number: 101H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM113898

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002555203

Operator: 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: DEC 10, 2025 02:22 PM

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: In-Reviews

Disposition Date: 12/10/2025

Signature: Long Vo

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon Energy Production Company LP**
LOCATION:	Section 33, T.25 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	**Stranger 33 Fed 101H**
ATS/API ID:	**3002555203**
APD ID:	**10400101119**
Sundry ID:	**2881758**

COA

H2S	No		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☑ Flex Hose	☐ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef: None	☐ WIPP
Other	Pilot Hole: None	☐ Open Annulus	
Cementing	Contingency Squeeze: Int 1	Echo-Meter: None	Primary Cement Squeeze: None
Special Requirements	☐ Water Disposal/Injection	☐ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention: Waste MP	
Special Requirements Variance	☑ BOPE Break Testing ☑ Offline BOPE Testing	☑ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S 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 **950 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 **8-5/8** inch intermediate casing is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.**

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

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

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

C. PRESSURE CONTROL

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

2.

Option 1:

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

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **8-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

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

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

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 BOPE Testing

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

The BOPE offline testing shall be stationary during pressure testing.

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

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

Offline Cementing

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

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

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

GENERAL REQUIREMENTS

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

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

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

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

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. 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) 12/11/2025

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE 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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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: SESE / 480 FSL / 401 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.08106 / LONG: -103.46763 (TVD: 0 feet, MD: 0 feet)

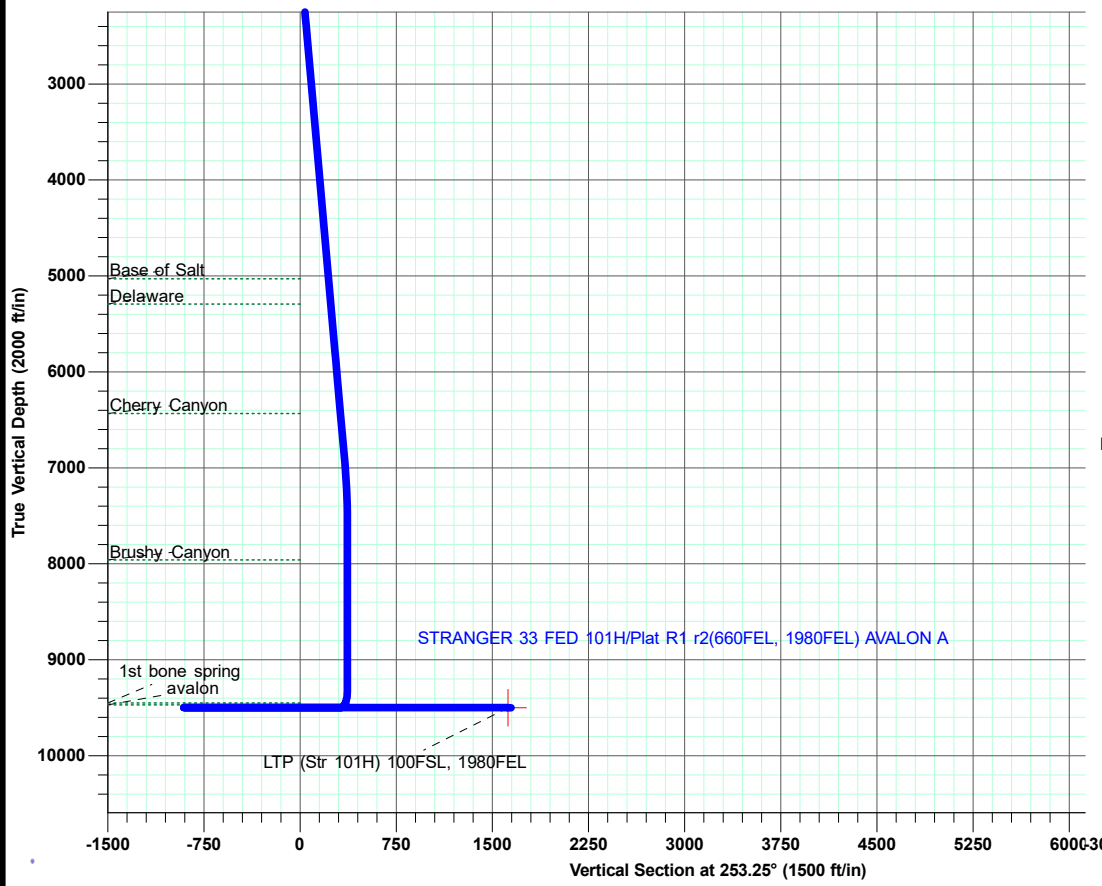
PPP: SESE / 100 FSL / 660 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.080015 / LONG: -103.468465 (TVD: 9161 feet, MD: 9190 feet)

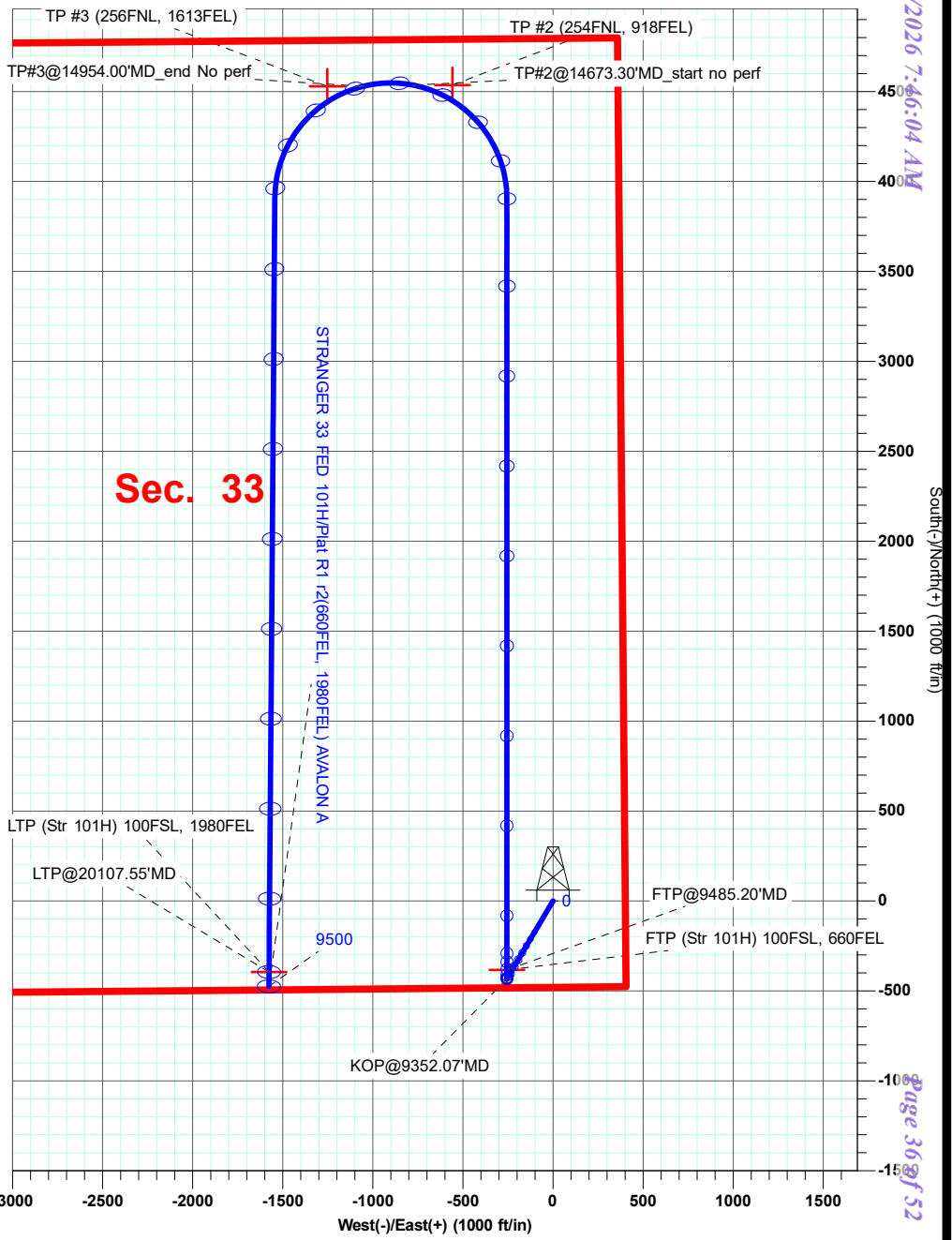
BHL: SWSE / 20 FNL / 1980 FEL / TWSP: 25S / RANGE: 34E / SECTION: 33 / LAT: 32.079791 / LONG: -103.472727 (TVD: 9500 feet, MD: 20187 feet)

SECTION DETAILS
STRANGER 33 FED 101H

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00
1843.25	5.15	210.61	1842.79	-13.26	-7.85	1.50	11.34
7007.12	5.15	210.61	6985.82	-412.10	-243.81	0.00	352.20
7521.99	0.00	0.00	7500.00	-432.00	-255.58	1.00	369.21
9352.07	0.00	0.00	9330.08	-432.00	-255.58	0.00	369.21
9618.97	90.00	0.00	9500.00	-262.08	-255.58	33.72	320.25
3785.52	90.00	0.00	9500.00	3904.47	-255.58	0.00	-880.20
5803.92	90.00	180.43	9500.00	3909.27	-1543.56	8.90	351.78
0107.36	90.00	180.43	9500.00	-394.06	-1575.65	0.00	1622.37
0107.55	90.00	180.41	9500.00	-394.25	-1575.65	8.90	1622.43
0187.55	90.00	180.41	9500.00	-474.25	-1576.23	0.00	1646.03

STRANGER 33 FED 101H
Lea County (NAD83 New Mexico East)
Northing: 394302.65
Easting: 809463.32
Lat: 32.0810600
Long: -103.4676300
Plat R1 r2(660FEL, 1980FEL) AVALON A





Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Project Lea County (NAD83 New Mexico East)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 33-T25S-R34E

Site Position:		**Northing:**	399,056.87 usft	**Latitude:**	32.0942355
From:	Map	**Easting:**	804,533.73 usft	**Longitude:**	-103.4834238
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.20 in		

Well STRANGER 33 FED 101H

Well Position	**+N/-S**	0.00 ft	**Northing:**	394,302.65 usft	**Latitude:**	32.0810600
	+E/-W	0.00 ft	**Easting:**	809,463.32 usft	**Longitude:**	-103.4676300
Position Uncertainty		0.50 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,322.20 ft
Grid Convergence:		0.46 °				

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/14/2024	6.11	59.85	47,130.81725731

Design Plat R1 r2(660FEL, 1980FEL) AVALON A

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	253.25

Plan Survey Tool Program **Date** 5/29/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,187.45	Plat R1 r2(660FEL, 1980FEL) AV	MWD+IFR1+FDIR OWSG MWD + IFR1 + FDIR C	

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,843.25	5.15	210.61	1,842.79	-13.26	-7.85	1.50	1.50	0.00	210.61	
7,007.12	5.15	210.61	6,985.82	-412.10	-243.81	0.00	0.00	0.00	0.00	
7,521.99	0.00	0.00	7,500.00	-432.00	-255.58	1.00	-1.00	0.00	180.00	
9,352.07	0.00	0.00	9,330.08	-432.00	-255.58	0.00	0.00	0.00	0.00	
9,618.97	90.00	0.00	9,500.00	-262.08	-255.58	33.72	33.72	0.00	0.00	
13,785.52	90.00	0.00	9,500.00	3,904.47	-255.58	0.00	0.00	0.00	0.00	
15,803.92	90.00	180.43	9,500.00	3,909.27	-1,543.56	8.90	0.00	-8.90	-90.00	
20,107.36	90.00	180.43	9,500.00	-394.06	-1,575.65	0.00	0.00	0.00	0.00	
20,107.55	90.00	180.41	9,500.00	-394.25	-1,575.65	8.90	0.00	-8.90	-90.00	LTP (Str 101H) 100FS
20,187.55	90.00	180.41	9,500.00	-474.25	-1,576.23	0.00	0.00	0.00	0.00	

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
100.00	0.00	0.00	100.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
200.00	0.00	0.00	200.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
300.00	0.00	0.00	300.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
400.00	0.00	0.00	400.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
500.00	0.00	0.00	500.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
600.00	0.00	0.00	600.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
700.00	0.00	0.00	700.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
800.00	0.00	0.00	800.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
860.00	0.00	0.00	860.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
Rustler									
900.00	0.00	0.00	900.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,000.00	0.00	0.00	1,000.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,100.00	0.00	0.00	1,100.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,200.00	0.00	0.00	1,200.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,210.00	0.00	0.00	1,210.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
Salt									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,400.00	0.00	0.00	1,400.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,500.00	0.00	0.00	1,500.00	0.00	0.00	394,302.65	809,463.32	32.0810600	-103.4676300
1,600.00	1.50	210.61	1,599.99	-1.13	-0.67	394,301.52	809,462.65	32.0810569	-103.4676322
1,700.00	3.00	210.61	1,699.91	-4.51	-2.67	394,298.14	809,460.65	32.0810477	-103.4676387
1,800.00	4.50	210.61	1,799.69	-10.13	-6.00	394,292.51	809,457.32	32.0810323	-103.4676496
1,843.25	5.15	210.61	1,842.79	-13.26	-7.85	394,289.38	809,455.47	32.0810237	-103.4676557
1,900.00	5.15	210.61	1,899.31	-17.65	-10.44	394,285.00	809,452.88	32.0810117	-103.4676642
2,000.00	5.15	210.61	1,998.91	-25.37	-15.01	394,277.27	809,448.31	32.0809906	-103.4676791
2,100.00	5.15	210.61	2,098.50	-33.10	-19.58	394,269.55	809,443.74	32.0809695	-103.4676941
2,200.00	5.15	210.61	2,198.10	-40.82	-24.15	394,261.83	809,439.17	32.0809484	-103.4677090
2,300.00	5.15	210.61	2,297.70	-48.54	-28.72	394,254.10	809,434.60	32.0809272	-103.4677240
2,400.00	5.15	210.61	2,397.29	-56.27	-33.29	394,246.38	809,430.03	32.0809061	-103.4677389
2,500.00	5.15	210.61	2,496.89	-63.99	-37.86	394,238.66	809,425.46	32.0808850	-103.4677539
2,600.00	5.15	210.61	2,596.48	-71.71	-42.43	394,230.93	809,420.89	32.0808638	-103.4677688
2,700.00	5.15	210.61	2,696.08	-79.44	-47.00	394,223.21	809,416.32	32.0808427	-103.4677838
2,800.00	5.15	210.61	2,795.68	-87.16	-51.57	394,215.49	809,411.75	32.0808216	-103.4677987
2,900.00	5.15	210.61	2,895.27	-94.88	-56.13	394,207.76	809,407.18	32.0808005	-103.4678137
3,000.00	5.15	210.61	2,994.87	-102.61	-60.70	394,200.04	809,402.61	32.0807793	-103.4678286
3,100.00	5.15	210.61	3,094.47	-110.33	-65.27	394,192.31	809,398.04	32.0807582	-103.4678436
3,200.00	5.15	210.61	3,194.06	-118.06	-69.84	394,184.59	809,393.47	32.0807371	-103.4678585
3,300.00	5.15	210.61	3,293.66	-125.78	-74.41	394,176.87	809,388.91	32.0807159	-103.4678735
3,400.00	5.15	210.61	3,393.26	-133.50	-78.98	394,169.14	809,384.34	32.0806948	-103.4678884
3,500.00	5.15	210.61	3,492.85	-141.23	-83.55	394,161.42	809,379.77	32.0806737	-103.4679034
3,600.00	5.15	210.61	3,592.45	-148.95	-88.12	394,153.70	809,375.20	32.0806526	-103.4679183
3,700.00	5.15	210.61	3,692.05	-156.67	-92.69	394,145.97	809,370.63	32.0806314	-103.4679333
3,800.00	5.15	210.61	3,791.64	-164.40	-97.26	394,138.25	809,366.06	32.0806103	-103.4679482
3,900.00	5.15	210.61	3,891.24	-172.12	-101.83	394,130.53	809,361.49	32.0805892	-103.4679632
4,000.00	5.15	210.61	3,990.84	-179.84	-106.40	394,122.80	809,356.92	32.0805680	-103.4679781
4,100.00	5.15	210.61	4,090.43	-187.57	-110.97	394,115.08	809,352.35	32.0805469	-103.4679931
4,200.00	5.15	210.61	4,190.03	-195.29	-115.54	394,107.35	809,347.78	32.0805258	-103.4680080
4,300.00	5.15	210.61	4,289.63	-203.02	-120.11	394,099.63	809,343.21	32.0805047	-103.4680230
4,400.00	5.15	210.61	4,389.22	-210.74	-124.68	394,091.91	809,338.64	32.0804835	-103.4680380
4,500.00	5.15	210.61	4,488.82	-218.46	-129.25	394,084.18	809,334.07	32.0804624	-103.4680529
4,600.00	5.15	210.61	4,588.42	-226.19	-133.82	394,076.46	809,329.50	32.0804413	-103.4680679
4,700.00	5.15	210.61	4,688.01	-233.91	-138.38	394,068.74	809,324.93	32.0804201	-103.4680828
4,800.00	5.15	210.61	4,787.61	-241.63	-142.95	394,061.01	809,320.36	32.0803990	-103.4680978

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,900.00	5.15	210.61	4,887.20	-249.36	-147.52	394,053.29	809,315.79	32.0803779	-103.4681127
5,000.00	5.15	210.61	4,986.80	-257.08	-152.09	394,045.57	809,311.23	32.0803568	-103.4681277
5,043.37	5.15	210.61	5,030.00	-260.43	-154.07	394,042.22	809,309.24	32.0803476	-103.4681341
Base of Salt									
5,100.00	5.15	210.61	5,086.40	-264.80	-156.66	394,037.84	809,306.66	32.0803356	-103.4681426
5,200.00	5.15	210.61	5,185.99	-272.53	-161.23	394,030.12	809,302.09	32.0803145	-103.4681576
5,300.00	5.15	210.61	5,285.59	-280.25	-165.80	394,022.40	809,297.52	32.0802934	-103.4681725
5,309.45	5.15	210.61	5,295.00	-280.98	-166.23	394,021.67	809,297.09	32.0802914	-103.4681739
Delaware									
5,400.00	5.15	210.61	5,385.19	-287.98	-170.37	394,014.67	809,292.95	32.0802722	-103.4681875
5,500.00	5.15	210.61	5,484.78	-295.70	-174.94	394,006.95	809,288.38	32.0802511	-103.4682024
5,600.00	5.15	210.61	5,584.38	-303.42	-179.51	393,999.22	809,283.81	32.0802300	-103.4682174
5,700.00	5.15	210.61	5,683.98	-311.15	-184.08	393,991.50	809,279.24	32.0802089	-103.4682323
5,800.00	5.15	210.61	5,783.57	-318.87	-188.65	393,983.78	809,274.67	32.0801877	-103.4682473
5,900.00	5.15	210.61	5,883.17	-326.59	-193.22	393,976.05	809,270.10	32.0801666	-103.4682622
6,000.00	5.15	210.61	5,982.77	-334.32	-197.79	393,968.33	809,265.53	32.0801455	-103.4682772
6,100.00	5.15	210.61	6,082.36	-342.04	-202.36	393,960.61	809,260.96	32.0801243	-103.4682921
6,200.00	5.15	210.61	6,181.96	-349.76	-206.93	393,952.88	809,256.39	32.0801032	-103.4683071
6,300.00	5.15	210.61	6,281.56	-357.49	-211.50	393,945.16	809,251.82	32.0800821	-103.4683220
6,400.00	5.15	210.61	6,381.15	-365.21	-216.06	393,937.44	809,247.25	32.0800610	-103.4683370
6,454.07	5.15	210.61	6,435.00	-369.39	-218.53	393,933.26	809,244.78	32.0800495	-103.4683451
Cherry Canyon									
6,500.00	5.15	210.61	6,480.75	-372.94	-220.63	393,929.71	809,242.68	32.0800398	-103.4683519
6,600.00	5.15	210.61	6,580.35	-380.66	-225.20	393,921.99	809,238.11	32.0800187	-103.4683669
6,700.00	5.15	210.61	6,679.94	-388.38	-229.77	393,914.26	809,233.55	32.0799976	-103.4683818
6,800.00	5.15	210.61	6,779.54	-396.11	-234.34	393,906.54	809,228.98	32.0799764	-103.4683968
6,900.00	5.15	210.61	6,879.14	-403.83	-238.91	393,898.82	809,224.41	32.0799553	-103.4684117
7,007.12	5.15	210.61	6,985.82	-412.10	-243.81	393,890.54	809,219.51	32.0799327	-103.4684278
7,100.00	4.22	210.61	7,078.39	-418.63	-247.67	393,884.02	809,215.65	32.0799148	-103.4684404
7,200.00	3.22	210.61	7,178.18	-424.22	-250.97	393,878.43	809,212.35	32.0798995	-103.4684512
7,300.00	2.22	210.61	7,278.07	-428.30	-253.39	393,874.35	809,209.93	32.0798884	-103.4684591
7,400.00	1.22	210.61	7,378.02	-430.88	-254.92	393,871.76	809,208.40	32.0798813	-103.4684641
7,500.00	0.22	210.61	7,478.01	-431.96	-255.56	393,870.68	809,207.76	32.0798783	-103.4684662
7,521.99	0.00	0.00	7,500.00	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,600.00	0.00	0.00	7,578.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,700.00	0.00	0.00	7,678.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,800.00	0.00	0.00	7,778.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,900.00	0.00	0.00	7,878.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
7,981.99	0.00	0.00	7,960.00	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
Brushy Canyon									
8,000.00	0.00	0.00	7,978.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,100.00	0.00	0.00	8,078.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,200.00	0.00	0.00	8,178.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,300.00	0.00	0.00	8,278.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,400.00	0.00	0.00	8,378.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,500.00	0.00	0.00	8,478.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,600.00	0.00	0.00	8,578.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,700.00	0.00	0.00	8,678.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,800.00	0.00	0.00	8,778.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
8,900.00	0.00	0.00	8,878.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,000.00	0.00	0.00	8,978.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,100.00	0.00	0.00	9,078.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,200.00	0.00	0.00	9,178.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
9,300.00	0.00	0.00	9,278.01	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,352.07	0.00	0.00	9,330.08	-432.00	-255.58	393,870.65	809,207.74	32.0798782	-103.4684663
KOP@9352.07'MD									
9,360.00	2.67	0.00	9,338.01	-431.81	-255.58	393,870.83	809,207.74	32.0798788	-103.4684663
9,370.00	6.05	0.00	9,347.98	-431.05	-255.58	393,871.59	809,207.74	32.0798808	-103.4684663
9,380.00	9.42	0.00	9,357.88	-429.71	-255.58	393,872.94	809,207.74	32.0798845	-103.4684662
9,390.00	12.79	0.00	9,367.70	-427.78	-255.58	393,874.86	809,207.74	32.0798898	-103.4684662
9,400.00	16.16	0.00	9,377.38	-425.28	-255.58	393,877.36	809,207.74	32.0798967	-103.4684661
9,410.00	19.53	0.00	9,386.89	-422.22	-255.58	393,880.43	809,207.74	32.0799051	-103.4684660
9,420.00	22.91	0.00	9,396.22	-418.60	-255.58	393,884.05	809,207.74	32.0799151	-103.4684659
9,430.00	26.28	0.00	9,405.31	-414.44	-255.58	393,888.21	809,207.74	32.0799265	-103.4684658
9,440.00	29.65	0.00	9,414.14	-409.75	-255.58	393,892.90	809,207.74	32.0799394	-103.4684657
9,450.00	33.02	0.00	9,422.68	-404.55	-255.58	393,898.09	809,207.74	32.0799537	-103.4684656
9,460.00	36.39	0.00	9,430.90	-398.86	-255.58	393,903.79	809,207.74	32.0799693	-103.4684654
9,470.00	39.77	0.00	9,438.77	-392.69	-255.58	393,909.95	809,207.74	32.0799863	-103.4684653
9,480.00	43.14	0.00	9,446.26	-386.07	-255.58	393,916.57	809,207.74	32.0800045	-103.4684651
9,485.20	44.89	0.00	9,450.00	-382.46	-255.58	393,920.19	809,207.74	32.0800144	-103.4684650
FTP@9485.20'MD - 1st bone spring									
9,490.00	46.51	0.00	9,453.35	-379.02	-255.58	393,923.62	809,207.74	32.0800239	-103.4684649
9,500.00	49.88	0.00	9,460.02	-371.57	-255.58	393,931.08	809,207.74	32.0800443	-103.4684647
9,510.00	53.25	0.00	9,466.23	-363.74	-255.58	393,938.91	809,207.74	32.0800659	-103.4684645
9,516.46	55.43	0.00	9,470.00	-358.49	-255.58	393,944.16	809,207.74	32.0800803	-103.4684644
avalon									
9,520.00	56.63	0.00	9,471.98	-355.56	-255.58	393,947.09	809,207.74	32.0800884	-103.4684643
9,530.00	60.00	0.00	9,477.23	-347.05	-255.58	393,955.60	809,207.74	32.0801117	-103.4684641
9,540.00	63.37	0.00	9,481.97	-338.24	-255.58	393,964.40	809,207.74	32.0801359	-103.4684639
9,550.00	66.74	0.00	9,486.19	-329.18	-255.58	393,973.47	809,207.74	32.0801609	-103.4684636
9,560.00	70.11	0.00	9,489.86	-319.88	-255.58	393,982.77	809,207.74	32.0801864	-103.4684634
9,570.00	73.49	0.00	9,492.99	-310.38	-255.58	393,992.26	809,207.74	32.0802125	-103.4684631
9,580.00	76.86	0.00	9,495.55	-300.72	-255.58	394,001.93	809,207.74	32.0802391	-103.4684629
9,590.00	80.23	0.00	9,497.53	-290.92	-255.58	394,011.73	809,207.74	32.0802660	-103.4684626
9,600.00	83.60	0.00	9,498.94	-281.02	-255.58	394,021.63	809,207.74	32.0802932	-103.4684624
9,610.00	86.97	0.00	9,499.76	-271.05	-255.58	394,031.59	809,207.74	32.0803206	-103.4684621
9,618.97	90.00	0.00	9,500.00	-262.08	-255.58	394,040.56	809,207.74	32.0803453	-103.4684619
9,700.00	90.00	0.00	9,500.00	-181.06	-255.58	394,121.59	809,207.74	32.0805680	-103.4684598
9,800.00	90.00	0.00	9,500.00	-81.06	-255.58	394,221.59	809,207.74	32.0808429	-103.4684572
9,900.00	90.00	0.00	9,500.00	18.94	-255.58	394,321.59	809,207.74	32.0811177	-103.4684546
10,000.00	90.00	0.00	9,500.00	118.94	-255.58	394,421.59	809,207.74	32.0813926	-103.4684520
10,100.00	90.00	0.00	9,500.00	218.94	-255.58	394,521.59	809,207.74	32.0816675	-103.4684494
10,200.00	90.00	0.00	9,500.00	318.94	-255.58	394,621.59	809,207.74	32.0819423	-103.4684468
10,300.00	90.00	0.00	9,500.00	418.94	-255.58	394,721.59	809,207.74	32.0822172	-103.4684443
10,400.00	90.00	0.00	9,500.00	518.94	-255.58	394,821.59	809,207.74	32.0824921	-103.4684417
10,500.00	90.00	0.00	9,500.00	618.94	-255.58	394,921.59	809,207.74	32.0827669	-103.4684391
10,600.00	90.00	0.00	9,500.00	718.94	-255.58	395,021.59	809,207.74	32.0830418	-103.4684365
10,700.00	90.00	0.00	9,500.00	818.94	-255.58	395,121.59	809,207.74	32.0833166	-103.4684339
10,800.00	90.00	0.00	9,500.00	918.94	-255.58	395,221.59	809,207.74	32.0835915	-103.4684313
10,900.00	90.00	0.00	9,500.00	1,018.94	-255.58	395,321.59	809,207.74	32.0838664	-103.4684287
11,000.00	90.00	0.00	9,500.00	1,118.94	-255.58	395,421.59	809,207.74	32.0841412	-103.4684261
11,100.00	90.00	0.00	9,500.00	1,218.94	-255.58	395,521.59	809,207.74	32.0844161	-103.4684235
11,200.00	90.00	0.00	9,500.00	1,318.94	-255.58	395,621.59	809,207.74	32.0846910	-103.4684210
11,300.00	90.00	0.00	9,500.00	1,418.94	-255.58	395,721.59	809,207.74	32.0849658	-103.4684184
11,400.00	90.00	0.00	9,500.00	1,518.94	-255.58	395,821.59	809,207.74	32.0852407	-103.4684158
11,500.00	90.00	0.00	9,500.00	1,618.94	-255.58	395,921.59	809,207.74	32.0855156	-103.4684132
11,600.00	90.00	0.00	9,500.00	1,718.94	-255.58	396,021.58	809,207.74	32.0857904	-103.4684106
11,700.00	90.00	0.00	9,500.00	1,818.94	-255.58	396,121.58	809,207.74	32.0860653	-103.4684080

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,800.00	90.00	0.00	9,500.00	1,918.94	-255.58	396,221.58	809,207.74	32.0863402	-103.4684054
11,900.00	90.00	0.00	9,500.00	2,018.94	-255.58	396,321.58	809,207.74	32.0866150	-103.4684028
12,000.00	90.00	0.00	9,500.00	2,118.94	-255.58	396,421.58	809,207.74	32.0868899	-103.4684002
12,100.00	90.00	0.00	9,500.00	2,218.94	-255.58	396,521.58	809,207.74	32.0871648	-103.4683977
12,200.00	90.00	0.00	9,500.00	2,318.94	-255.58	396,621.58	809,207.74	32.0874396	-103.4683951
12,300.00	90.00	0.00	9,500.00	2,418.94	-255.58	396,721.58	809,207.74	32.0877145	-103.4683925
12,400.00	90.00	0.00	9,500.00	2,518.94	-255.58	396,821.58	809,207.74	32.0879893	-103.4683899
12,500.00	90.00	0.00	9,500.00	2,618.94	-255.58	396,921.58	809,207.74	32.0882642	-103.4683873
12,600.00	90.00	0.00	9,500.00	2,718.94	-255.58	397,021.58	809,207.74	32.0885391	-103.4683847
12,700.00	90.00	0.00	9,500.00	2,818.94	-255.58	397,121.58	809,207.74	32.0888139	-103.4683821
12,800.00	90.00	0.00	9,500.00	2,918.94	-255.58	397,221.58	809,207.74	32.0890888	-103.4683795
12,900.00	90.00	0.00	9,500.00	3,018.94	-255.58	397,321.58	809,207.74	32.0893637	-103.4683769
13,000.00	90.00	0.00	9,500.00	3,118.94	-255.58	397,421.58	809,207.74	32.0896385	-103.4683743
13,100.00	90.00	0.00	9,500.00	3,218.94	-255.58	397,521.58	809,207.74	32.0899134	-103.4683718
13,200.00	90.00	0.00	9,500.00	3,318.94	-255.58	397,621.58	809,207.74	32.0901883	-103.4683692
13,300.00	90.00	0.00	9,500.00	3,418.94	-255.58	397,721.58	809,207.74	32.0904631	-103.4683666
13,400.00	90.00	0.00	9,500.00	3,518.94	-255.58	397,821.58	809,207.74	32.0907380	-103.4683640
13,500.00	90.00	0.00	9,500.00	3,618.94	-255.58	397,921.58	809,207.74	32.0910129	-103.4683614
13,600.00	90.00	0.00	9,500.00	3,718.94	-255.58	398,021.58	809,207.74	32.0912877	-103.4683588
13,700.00	90.00	0.00	9,500.00	3,818.94	-255.58	398,121.58	809,207.74	32.0915626	-103.4683562
13,785.52	90.00	0.00	9,500.00	3,904.47	-255.58	398,207.10	809,207.74	32.0917977	-103.4683540
13,800.00	90.00	358.71	9,500.00	3,918.94	-255.74	398,221.58	809,207.58	32.0918374	-103.4683542
13,850.00	90.00	354.26	9,500.00	3,968.83	-258.80	398,271.47	809,204.52	32.0919747	-103.4683627
13,900.00	90.00	349.82	9,500.00	4,018.34	-265.73	398,320.98	809,197.59	32.0921109	-103.4683838
13,950.00	90.00	345.37	9,500.00	4,067.16	-276.47	398,369.80	809,186.85	32.0922453	-103.4684172
14,000.00	90.00	340.92	9,500.00	4,115.00	-290.96	398,417.64	809,172.36	32.0923771	-103.4684628
14,050.00	90.00	336.47	9,500.00	4,161.57	-309.13	398,464.21	809,154.19	32.0925055	-103.4685202
14,100.00	90.00	332.02	9,500.00	4,206.59	-330.85	398,509.23	809,132.47	32.0926298	-103.4685892
14,150.00	90.00	327.57	9,500.00	4,249.79	-355.99	398,552.43	809,107.33	32.0927491	-103.4686693
14,200.00	90.00	323.12	9,500.00	4,290.92	-384.41	398,593.55	809,078.90	32.0928627	-103.4687600
14,250.00	90.00	318.68	9,500.00	4,329.71	-415.94	398,632.35	809,047.38	32.0929700	-103.4688608
14,300.00	90.00	314.23	9,500.00	4,365.94	-450.38	398,668.58	809,012.94	32.0930704	-103.4689710
14,350.00	90.00	309.78	9,500.00	4,399.39	-487.52	398,702.03	808,975.79	32.0931631	-103.4690901
14,400.00	90.00	305.33	9,500.00	4,429.86	-527.15	398,732.50	808,936.17	32.0932478	-103.4692173
14,450.00	90.00	300.88	9,500.00	4,457.16	-569.02	398,759.80	808,894.29	32.0933237	-103.4693518
14,500.00	90.00	296.43	9,500.00	4,481.14	-612.89	398,783.77	808,850.43	32.0933906	-103.4694928
14,550.00	90.00	291.99	9,500.00	4,501.63	-658.48	398,804.27	808,804.84	32.0934479	-103.4696394
14,600.00	90.00	287.54	9,500.00	4,518.54	-705.52	398,821.17	808,757.80	32.0934954	-103.4697909
14,650.00	90.00	283.09	9,500.00	4,531.74	-753.74	398,834.37	808,709.58	32.0935328	-103.4699462
14,673.30	90.00	281.02	9,500.00	4,536.60	-776.52	398,839.24	808,686.80	32.0935467	-103.4700197
TP#2@14673.30'MD_start no perf									
14,700.00	90.00	278.64	9,500.00	4,541.16	-802.83	398,843.80	808,660.49	32.0935598	-103.4701045
14,750.00	90.00	274.19	9,500.00	4,546.75	-852.50	398,849.38	808,610.82	32.0935762	-103.4702647
14,800.00	90.00	269.74	9,500.00	4,548.46	-902.46	398,851.10	808,560.86	32.0935820	-103.4704260
14,850.00	90.00	265.30	9,500.00	4,546.30	-952.40	398,848.94	808,510.92	32.0935772	-103.4705873
14,900.00	90.00	260.85	9,500.00	4,540.27	-1,002.02	398,842.91	808,461.30	32.0935617	-103.4707477
14,950.00	90.00	256.40	9,500.00	4,530.41	-1,051.03	398,833.05	808,412.29	32.0935357	-103.4709062
14,954.00	90.00	256.04	9,500.00	4,529.46	-1,054.91	398,832.09	808,408.41	32.0935331	-103.4709187
TP#3@14954.00'MD_end No perf									
15,000.00	90.00	251.95	9,500.00	4,516.78	-1,099.12	398,819.41	808,364.20	32.0934993	-103.4710618
15,050.00	90.00	247.50	9,500.00	4,499.46	-1,146.01	398,802.09	808,317.31	32.0934527	-103.4712137
15,100.00	90.00	243.05	9,500.00	4,478.55	-1,191.42	398,781.19	808,271.90	32.0933962	-103.4713608
15,150.00	90.00	238.60	9,500.00	4,454.18	-1,235.06	398,756.82	808,228.26	32.0933302	-103.4715024
15,200.00	90.00	234.16	9,500.00	4,426.51	-1,276.69	398,729.15	808,186.63	32.0932550	-103.4716375

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,250.00	90.00	229.71	9,500.00	4,395.69	-1,316.04	398,698.32	808,147.28	32.0931712	-103.4717653
15,300.00	90.00	225.26	9,500.00	4,361.90	-1,352.89	398,664.54	808,110.43	32.0930791	-103.4718852
15,350.00	90.00	220.81	9,500.00	4,325.37	-1,387.00	398,628.00	808,076.32	32.0929795	-103.4719963
15,400.00	90.00	216.36	9,500.00	4,286.29	-1,418.18	398,588.93	808,045.14	32.0928727	-103.4720979
15,450.00	90.00	211.91	9,500.00	4,244.92	-1,446.23	398,547.56	808,017.09	32.0927596	-103.4721896
15,500.00	90.00	207.47	9,500.00	4,201.50	-1,470.99	398,504.13	807,992.33	32.0926408	-103.4722707
15,550.00	90.00	203.02	9,500.00	4,156.28	-1,492.31	398,458.92	807,971.01	32.0925170	-103.4723406
15,600.00	90.00	198.57	9,500.00	4,109.55	-1,510.06	398,412.19	807,953.27	32.0923890	-103.4723991
15,650.00	90.00	194.12	9,500.00	4,061.58	-1,524.12	398,364.22	807,939.20	32.0922574	-103.4724458
15,700.00	90.00	189.67	9,500.00	4,012.67	-1,534.43	398,315.31	807,928.89	32.0921232	-103.4724803
15,750.00	90.00	185.22	9,500.00	3,963.10	-1,540.91	398,265.74	807,922.41	32.0919871	-103.4725025
15,803.92	90.00	180.43	9,500.00	3,909.27	-1,543.56	398,211.91	807,919.76	32.0918392	-103.4725125
15,900.00	90.00	180.43	9,500.00	3,813.19	-1,544.28	398,115.83	807,919.04	32.0915751	-103.4725173
16,000.00	90.00	180.43	9,500.00	3,713.19	-1,545.03	398,015.83	807,918.29	32.0913003	-103.4725223
16,100.00	90.00	180.43	9,500.00	3,613.19	-1,545.77	397,915.83	807,917.55	32.0910254	-103.4725273
16,200.00	90.00	180.43	9,500.00	3,513.20	-1,546.52	397,815.83	807,916.80	32.0907506	-103.4725322
16,300.00	90.00	180.43	9,500.00	3,413.20	-1,547.26	397,715.84	807,916.06	32.0904757	-103.4725372
16,400.00	90.00	180.43	9,500.00	3,313.20	-1,548.01	397,615.84	807,915.31	32.0902009	-103.4725422
16,500.00	90.00	180.43	9,500.00	3,213.20	-1,548.75	397,515.84	807,914.57	32.0899261	-103.4725472
16,600.00	90.00	180.43	9,500.00	3,113.21	-1,549.50	397,415.85	807,913.82	32.0896512	-103.4725522
16,700.00	90.00	180.43	9,500.00	3,013.21	-1,550.25	397,315.85	807,913.07	32.0893764	-103.4725572
16,800.00	90.00	180.43	9,500.00	2,913.21	-1,550.99	397,215.85	807,912.33	32.0891015	-103.4725622
16,900.00	90.00	180.43	9,500.00	2,813.21	-1,551.74	397,115.86	807,911.58	32.0888267	-103.4725671
17,000.00	90.00	180.43	9,500.00	2,713.22	-1,552.48	397,015.86	807,910.84	32.0885519	-103.4725721
17,100.00	90.00	180.43	9,500.00	2,613.22	-1,553.23	396,915.86	807,910.09	32.0882770	-103.4725771
17,200.00	90.00	180.43	9,500.00	2,513.22	-1,553.97	396,815.86	807,909.35	32.0880022	-103.4725821
17,300.00	90.00	180.43	9,500.00	2,413.23	-1,554.72	396,715.87	807,908.60	32.0877273	-103.4725871
17,400.00	90.00	180.43	9,500.00	2,313.23	-1,555.47	396,615.87	807,907.86	32.0874525	-103.4725921
17,500.00	90.00	180.43	9,500.00	2,213.23	-1,556.21	396,515.87	807,907.11	32.0871777	-103.4725970
17,600.00	90.00	180.43	9,500.00	2,113.23	-1,556.96	396,415.88	807,906.36	32.0869028	-103.4726020
17,700.00	90.00	180.43	9,500.00	2,013.24	-1,557.70	396,315.88	807,905.62	32.0866280	-103.4726070
17,800.00	90.00	180.43	9,500.00	1,913.24	-1,558.45	396,215.88	807,904.87	32.0863531	-103.4726120
17,900.00	90.00	180.43	9,500.00	1,813.24	-1,559.19	396,115.88	807,904.13	32.0860783	-103.4726170
18,000.00	90.00	180.43	9,500.00	1,713.25	-1,559.94	396,015.89	807,903.38	32.0858034	-103.4726220
18,100.00	90.00	180.43	9,500.00	1,613.25	-1,560.69	395,915.89	807,902.64	32.0855286	-103.4726269
18,200.00	90.00	180.43	9,500.00	1,513.25	-1,561.43	395,815.89	807,901.89	32.0852538	-103.4726319
18,300.00	90.00	180.43	9,500.00	1,413.25	-1,562.18	395,715.90	807,901.14	32.0849789	-103.4726369
18,400.00	90.00	180.43	9,500.00	1,313.26	-1,562.92	395,615.90	807,900.40	32.0847041	-103.4726419
18,500.00	90.00	180.43	9,500.00	1,213.26	-1,563.67	395,515.90	807,899.65	32.0844292	-103.4726469
18,600.00	90.00	180.43	9,500.00	1,113.26	-1,564.41	395,415.91	807,898.91	32.0841544	-103.4726519
18,700.00	90.00	180.43	9,500.00	1,013.26	-1,565.16	395,315.91	807,898.16	32.0838796	-103.4726569
18,800.00	90.00	180.43	9,500.00	913.27	-1,565.90	395,215.91	807,897.42	32.0836047	-103.4726618
18,900.00	90.00	180.43	9,500.00	813.27	-1,566.65	395,115.91	807,896.67	32.0833299	-103.4726668
19,000.00	90.00	180.43	9,500.00	713.27	-1,567.40	395,015.92	807,895.92	32.0830550	-103.4726718
19,100.00	90.00	180.43	9,500.00	613.28	-1,568.14	394,915.92	807,895.18	32.0827802	-103.4726768
19,200.00	90.00	180.43	9,500.00	513.28	-1,568.89	394,815.92	807,894.43	32.0825054	-103.4726818
19,300.00	90.00	180.43	9,500.00	413.28	-1,569.63	394,715.93	807,893.69	32.0822305	-103.4726868
19,400.00	90.00	180.43	9,500.00	313.28	-1,570.38	394,615.93	807,892.94	32.0819557	-103.4726917
19,500.00	90.00	180.43	9,500.00	213.29	-1,571.12	394,515.93	807,892.20	32.0816808	-103.4726967
19,600.00	90.00	180.43	9,500.00	113.29	-1,571.87	394,415.94	807,891.45	32.0814060	-103.4727017
19,700.00	90.00	180.43	9,500.00	13.29	-1,572.62	394,315.94	807,890.70	32.0811312	-103.4727067
19,800.00	90.00	180.43	9,500.00	-86.70	-1,573.36	394,215.94	807,889.96	32.0808563	-103.4727117
19,900.00	90.00	180.43	9,500.00	-186.70	-1,574.11	394,115.94	807,889.21	32.0805815	-103.4727166
20,000.00	90.00	180.43	9,500.00	-286.70	-1,574.85	394,015.95	807,888.47	32.0803066	-103.4727216
20,107.36	90.00	180.43	9,500.00	-394.06	-1,575.65	393,908.59	807,887.67	32.0800116	-103.4727270

Planning Report - Geographic

Database:	EDM_5000.17	**Local Co-ordinate Reference:**	Well STRANGER 33 FED 101H
Company:	WCDSC Permian NM	**TVD Reference:**	GL:3322.20+26ft @ 3348.20ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	GL:3322.20+26ft @ 3348.20ft
Site:	Sec 33-T25S-R34E	**North Reference:**	Grid
Well:	STRANGER 33 FED 101H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat R1 r2(660FEL, 1980FEL) AVALON A		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
20,107.55	90.00	180.43	9,500.00	-394.25	-1,575.65	393,908.40	807,887.67	32.0800110	-103.4727270
LTP@20107.55'MD									
20,187.55	90.00	180.41	9,500.00	-474.25	-1,576.23	393,828.40	807,887.09	32.0797912	-103.4727309

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TP #3 (256FNL, 1613FE - plan misses target center by 4699.31ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	4,529.46	-1,252.01	398,832.10	808,211.31	32.0935375	-103.4715551
TP #2 (254FNL, 918FEL - plan misses target center by 4570.73ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	4,536.60	-557.51	398,839.24	808,905.81	32.0935418	-103.4693125
FTP (Str 101H) 100FSL, - plan misses target center by 459.81ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-382.24	-255.58	393,920.41	809,207.74	32.0800150	-103.4684650
LTP (Str 101H) 100FSL, - plan hits target center - Point	0.00	0.00	9,500.00	-394.25	-1,575.65	393,908.40	807,887.67	32.0800110	-103.4727270

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
860.00	860.00	Rustler			
1,210.00	1,210.00	Salt			
5,043.37	5,030.00	Base of Salt			
5,309.45	5,295.00	Delaware			
6,454.07	6,435.00	Cherry Canyon			
7,981.99	7,960.00	Brushy Canyon			
9,485.20	9,450.00	1st bone spring			
9,516.46	9,470.00	avalon			

Plan Annotations

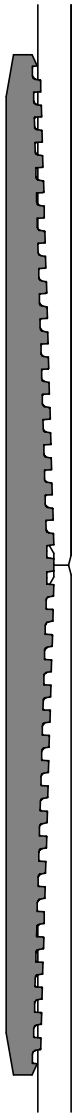
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
9,352.07	9,330.08	-432.00	-255.58	KOP@9352.07'MD
9,485.20	9,450.00	-382.46	-255.58	FTP@9485.20'MD
14,673.30	9,500.00	4,536.60	-776.52	TP#2@14673.30'MD_start no perf
14,954.00	9,500.00	4,529.46	-1,054.91	TP#3@14954.00'MD_end No perf
20,107.55	9,500.00	-394.25	-1,575.65	LTP@20107.55'MD

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

Metal One Tubular Connection

Special Clearance Coupling with Special bevel (20°)
Thread Taper 1 / 16 TAPER (0.750 inch per foot) 5 T.P.I.
Special Drift

Created at: Mon, Sep 29, 2025 13:54:49 CT



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

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

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

Notes:
1. Operational Maximum Torque can be applied for high torque application
2. Option of Resiliance Ring is available for GEOCONN
3. Interchangable with API BC

STRANGER 33 FED 101H

1. Geologic Formations

TVD of target	9500	Pilot hole depth	N/A
MD at TD:	20187	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	860		
Salt	1210		
Base of Salt	5030		
Delaware	5295		
Cherry Canyon	6435		
Brushy Canyon	7960		
1st bone spring	9450		
avalon	9470		

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

STRANGER 33 FED 101H

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	54 1/2	J-55	BTC	0	930	0	930
9 7/8	8 5/8	32	J-55	GEOCONN	0	5395	0	5395
7 7/8	5 1/2	20	P110	DWC / C-IS+	0	20187	0	9500

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

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	711	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	330	Surf	9.0	3.3	Lead: Class C Cement + additives
	67	4895	13.2	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	429	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	330	Surf	9.0	3.3	Lead: Class C Cement + additives
	67	4895	13.2	1.4	Tail: Class H / C + additives
Production	330	4895	9.0	3.3	Lead: Class H /C + additives
	1446	9265	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%

STRANGER 33 FED 101H

4. Pressure Control Equipment (Three String Design)

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

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 sbumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

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

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4446
Abnormal temperature	No

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

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

8. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

1 Spudder rig will move in and batch drill surface hole.
    a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
    a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

X Directional Plan

_____ Other, describe

33-25-34-P Sundry ID 2881758 Stranger 33 Fed 101H Lea NM113898 DEVON ENERGY PRODUCTION COMPANY LP 13-22g 2-27-2024 LV.xlsm

Stranger 33 Fed 101H

13 3/8	surface csg in a	17 1/2	inch hole.		Design Factors			Surface				
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	j 55	btc	16.48	2.54	0.93	950	7	1.55	4.81	51,775
"B"			btc				0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	1,496	Tail Cmt	does not	circ to sfc.	Totals:	950				51,775

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	711	995	660	51	9.00	1756	2M	1.56

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.

8 5/8	casing inside the	13 3/8			Design Factors			Int 1				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	32.00	j 55	geoconn	2.39	0.86	0.88	5,395	1	1.67	1.44	172,640
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig:	397				Totals:	5,395				172,640
	The cement volume(s) are intended to achieve a top of			0	ft from surface or a		950				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
9 7/8	0.1261	397	1183	1000	18	10.50	2352	3M	0.44
D V Tool(s):							sum of sx	Σ CuFt	Σ%excess
by stage % :		#VALUE!	#VALUE!				397	1183	18

Class 'C' tail cmt yld > 1.35

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.73, b, c, d All > 0.70, OK.

5 1/2	casing inside the	8 5/8			Design Factors			Prod 1				
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	p 110	dwc/c is+	3.84	2.89	3.23	8,949	3	6.11	5.46	178,980
"B"	20.00	p 110	dwc/c is+	3.49	3.49	2.41	5,014	3	6.11	5.14	100,287
"C"	20.00	p 110	dwc/c is+	4.16	4.16	2.43	4,984	3	6.11	5.14	99,684
"D"	20.00	p 110	dwc/c is+	11.89	11.89	2.44	4,948	3	6.11	5.14	98,969
	w/8.4#/g mud, 30min Sfc Csg Test psig:	1,969				Totals:	23,896				477,920
	The cement volume(s) are intended to achieve a top of			5195	ft from surface or a		200				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
7 7/8	0.1733	1776	3113	2598	20	9.00			0.79

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 539819
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USIT log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	1/23/2026
matthew.gomez	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/23/2026
matthew.gomez	All previous COA's still apply.	1/23/2026