

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
EAGLE 33	8H	3001549714	NMNM056122	NMNM056122	RILEY PERMIAN
EAGLE 33	7H	3001549713	NMNM056122	NMNM056122	RILEY PERMIAN

**Notice of Intent**

**Sundry ID:** 2894305

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 02/04/2026

**Time Sundry Submitted:** 09:48

**Date proposed operation will begin:** 03/01/2026

**Procedure Description:** Riley Permian Operating Company, LLC respectfully requests to change the laterals of the Eagle 33 Federal Com 7H and 8H wells. Attached are new well plats and drilling/directional information. The SHLs will remain the same. The casing and cementing programs will remain the same as originally approved. This change will shift each lateral approximately 100ft to better drain the section and prevent waste. We have these wells currently planned to spud in early March. We believe this change will more efficiently drain the section and is in the best interest of the BLM and the public.

**NOI Attachments**

**Procedure Description**

- Eagle\_33\_Federal\_Com\_7H\_and\_8H\_Lateral\_Changes\_20260204094728.pdf
- Eagle\_33\_Fed\_Com\_8H\_Final\_Geoprogram\_20260204093140.pdf
- Eagle\_33\_Fed\_Com\_7H\_Final\_Geoprogram\_20260204093131.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_8H\_OH\_p1\_20260204093038.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_8H\_OH\_p1\_PlanRpt\_20260204093032.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_8H\_OH\_p1\_AC\_20260204093027.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_7H\_OH\_p1\_20260204092957.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_7H\_OH\_p1\_PlanRpt\_20260204092945.pdf
- Riley\_\_\_Eagle\_33\_Federal\_Com\_7H\_OH\_p1\_AC\_20260204092940.pdf
- 0\_EAGLE\_33\_FED\_COM\_C102\_8H\_20260204092900.pdf
- 0\_EAGLE\_33\_FED\_COM\_C102\_7H\_20260204092848.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:** ALEX RIZZO

**Signed on:** FEB 04, 2026 09:33 AM

**Name:** RILEY PERMIAN OPERATING COMPANY LLC

**Title:** Senior Regulatory Specialist

**Street Address:** 29 E RENO AVE

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

**Phone:** (405) 415-8667

**Email address:** ALEXRIZZO@RILEYPERMIAN.COM

**Field**

**Representative Name:**

**Street Address:**

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

**Phone:**

**Email address:**

**BLM Point of Contact**

**BLM POC Name:** CHRISTOPHER WALLS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234

**BLM POC Email Address:** CWALLS@BLM.GOV

**Disposition:** Approved

**Disposition Date:** 02/04/2026

**Signature:** Chris Walls

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.**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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

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

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

Title

Signature

Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Batch Well Data

EAGLE 33 FEDERAL COM 8H, US Well Number: 3001549714, Case Number: NMNM056122, Lease Number: NMNM056122,  
Operator:RILEY PERMIAN OPERATING COMPANY LLC

EAGLE 33 FEDERAL COM 7H, US Well Number: 3001549713, Case Number: NMNM056122, Lease Number: NMNM056122,  
Operator:RILEY PERMIAN OPERATING COMPANY LLC

CONFIDENTIAL

<b>Well name</b>	<b>Point</b>	<b>Original Permit footages</b>	<b>New Request footages</b>
Eagle 33 Federal Com 7H			
	FTP	1750' FNL, 100' FEL	1650' FNL, 100'FEL
	LTP	1750' FNL, 100' FWL	1650' FNL, 100'FWL
	BHL	1750' FNL, 1' FWL	1650' FNL, 10'FWL
Eagle 33 Federal Com 8H			
	FTP	2160' FNL, 100' FEL	2310' FNL, 100'FEL
	LTP	2160' FNL, 100'FWL	2310' FNL, 100'FWL
	BHL	2160' FNL, 1' FWL	2310' FNL, 10' FWL

**Geological Prognosis**

Last Update 4-Feb-26

Riley Permian Operating Co.

Author Doug Standart

Well Name Eagle 33 Federal Com 8H

County, State Eddy, New Mexico

API 3001549714

Rig Akita ##



Ground Elevation (ft) <b>Est</b>	<b>3526.5</b>
Rig KB (ft)	<b>19.5</b>
Reference Datum (ft)	<b>3546</b>

Rec Permit Depth TVD	3,604
Rec Permit Depth MD	8,923
Estimated MD TD	8,286
Completed Lateral Length	5,080

Coordinate System: NMSP East (ft)

**Section**

SHL Lat	32.7929292	34
SHL Long	-104.2727898	34
SHL N	652205.32	34
SHL E	559941.96	34
Lease Line Callouts (SHL)	1836 FNL & 688 FWL	
Township & Range	17S 27E	
Lateral Orientation (azimuth)	90	
Lateral Inclination	90.65	

Typelog:	<b>Eagle 33 I Federal 17</b>
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<u>Top</u>	<u>TC Thickness</u>	<u>Subsea</u>	<u>Top from KB</u>	<u>Lithology</u>	<u>Comments</u>
Seven Rivers	423	3,091	<b>455</b>		
Queen	365	2,668	<b>878</b>	ANHY/Dolomite	
Grayburg	283	2,303	<b>1,243</b>	ANHY/Dolomite	
San Andres	1340	2,020	<b>1,526</b>	ANHY/Dolomite	Surface Casing
Glorieta	79	680	<b>2,866</b>	ANHY/Dolomite	Top of Pay
Paddock	171	601	<b>2,945</b>	ANHY/Dolomite	
Lower Paddock	90	430	<b>3,116</b>	ANHY/Dolomite	
Target	10	340	<b>3,206</b>		
Base of Target		330	<b>3,216</b>		

<b>Target @ 0' VS</b>	<u>TVD</u>	<u>INC</u>
	<b>3,206</b>	<b>90.65</b>

**Geological Prognosis**

Last Update 4-Feb-26

Riley Permian Operating Co.

Author Doug Standart

Well Name Eagle 33 Federal Com 7H

County, State Eddy, New Mexico

API 3001549713

Rig Akita ##



Ground Elevation (ft) Est	3525.9
Rig KB (ft)	19.5
Reference Datum (ft)	3545.4

Rec Permit Depth TVD	3,604
Rec Permit Depth MD	8,923
Estimated MD TD	8,662
Completed Lateral Length	5,080

Coordinate System: NMSP East (ft)

		Section
SHL Lat	32.929841	34
SHL Long	-104.2727898	34
SHL N	652225.29	34
SHL E	559941.94	34
Lease Line Callouts (SHL)	1816 FNL & 688 FWL	
Township & Range	17S 27E	
Lateral Orientation (azimuth)	90	
Lateral Inclination	90.65	

Typelog:	Eagle 33 I Federal 17
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Top	TC Thickness	Subsea	Top from KB	Lithology	Comments
Seven Rivers	423	3,086	459		
Queen	365	2,663	882	ANHY/Dolomite	
Grayburg	283	2,298	1,247	ANHY/Dolomite	
San Andres	1340	2,015	1,530	ANHY/Dolomite	Surface Casing
Glorieta	79	675	2,870	ANHY/Dolomite	Top of Pay
Paddock	171	596	2,949	ANHY/Dolomite	
Lower Paddock	184	425	3,120	ANHY/Dolomite	
Upper Blinbry (L5)	278	241	3,304	ANHY/Dolomite	
Target	10	-37	3,582		
Base of Target		-47	3,592		

Target @ 0' VS	TVD	INC
	3,582	90.65

# RILEY PERMIAN OPERATING CO., LLC PRELIMINARY PLAN

Project: Eddy County, NM (NAD83) NMEZ Grid  
 Site: Eagle 33 Federal Com  
 Well: Eagle 33 Federal Com 8H  
 Wellbore: 8H  
 Design: Plan #1

3526+23 @ 3549.00usft (gl+kb Akita)  
 GL+KB

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	D/leg	T/Face	V/Sect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	Start 1223.75 hold at 1203.96 MD
3	1203.96	14.08	173.54	1196.90	-85.51	43.18	0.00	173.54	-9.80	KOP Start DLS 8.00 TFO 104.18
4	2427.71	14.08	173.54	2383.89	-381.31	43.18	0.00	0.00	-43.71	60DEG Start 200.00 hold at 3209.58 MD
5	3209.58	60.00	270.08	3023.35	-485.94	-321.65	8.00	104.18	320.97	Start DLS 10.00 TFO 0.00
6	3409.58	60.00	270.08	3123.35	-485.70	-494.85	0.00	0.00	494.18	FTP Start 4954.58 hold at 3716.08 MD
7	3716.08	90.65	270.08	3200.07	-485.29	-787.83	10.00	0.00	787.15	LTP Start 90.06 hold at 8670.65 MD
8	8670.65	90.65	270.08	3143.87	-478.37	-5742.09	0.00	0.00	5741.41	PBHL TD at 8760.72
9	8760.72	90.65	270.08	3142.85	-478.24	-5832.15	0.00	0.00	5831.47	

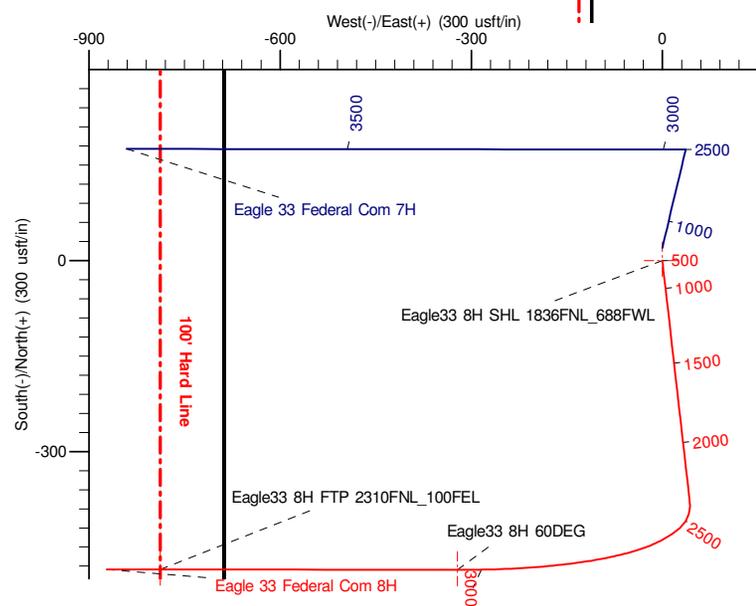
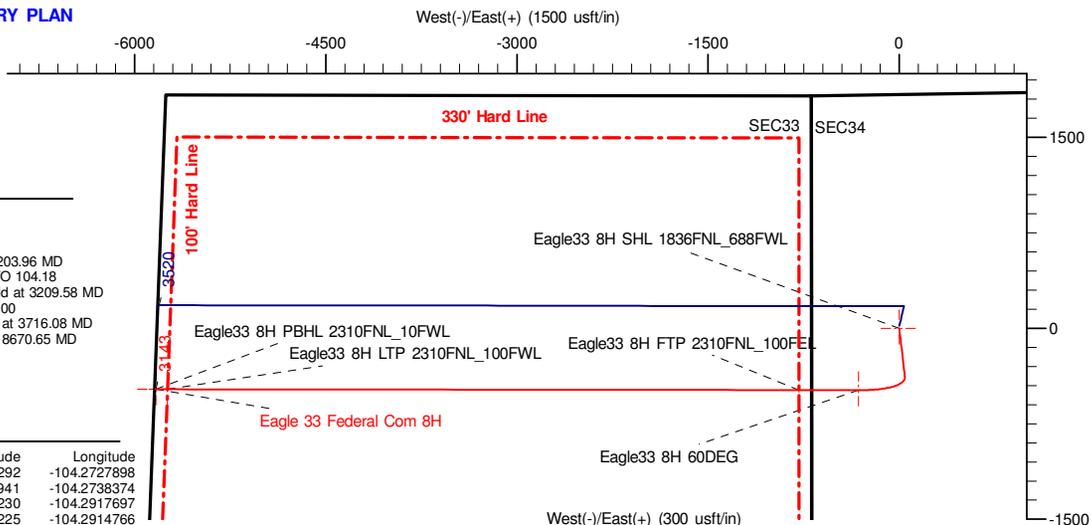
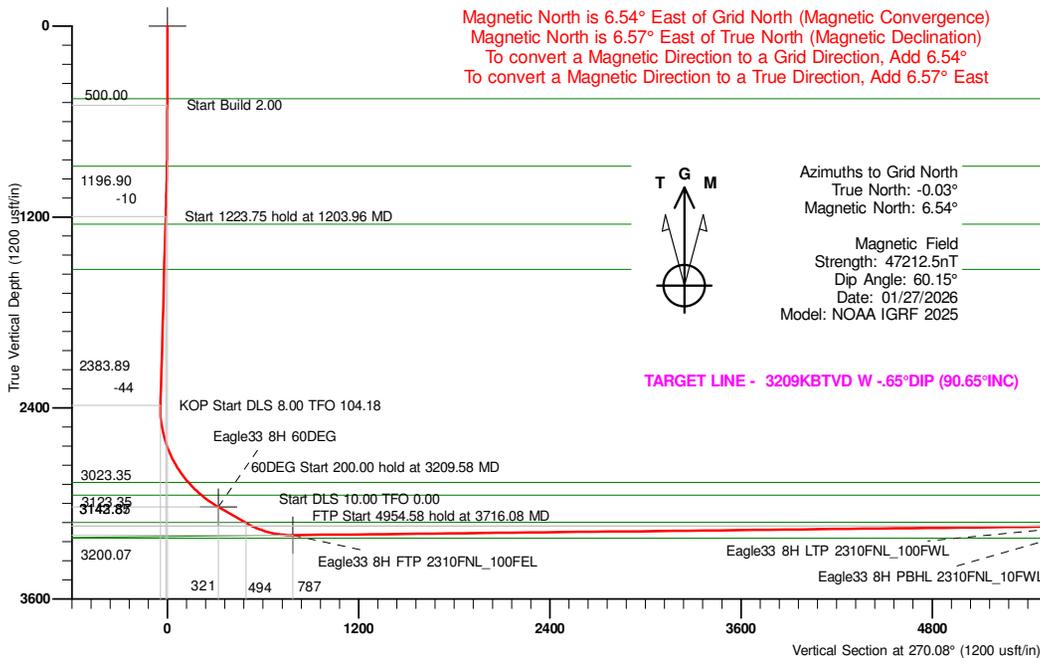
DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Eagle33 8H SHL 1836FNL_688FWL	0.00	0.00	0.00	652205.32	559941.96	32.7929292	-104.2727898
Eagle33 8H 60DEG	3023.35	-485.94	-321.65	651719.38	559620.31	32.7915941	-104.2738374
Eagle33 8H PBHL 2310FNL_10FWL	3142.85	-478.05	-5832.15	651727.27	554109.81	32.7916230	-104.2917697
Eagle33 8H LTP 2310FNL_100FWL	3143.87	-478.17	-5742.09	651727.15	554199.87	32.7916225	-104.2914766
Eagle33 8H FTP 2310FNL_100FEL	3200.07	-485.28	-787.91	651720.04	559154.05	32.7915966	-104.2753548

Magnetic North is 6.54° East of Grid North (Magnetic Convergence)  
 Magnetic North is 6.57° East of True North (Magnetic Declination)  
 To convert a Magnetic Direction to a Grid Direction, Add 6.54°  
 To convert a Magnetic Direction to a True Direction, Add 6.57° East



Azimuths to Grid North  
 True North: -0.03°  
 Magnetic North: 6.54°  
 Magnetic Field  
 Strength: 47212.5nT  
 Dip Angle: 60.15°  
 Date: 01/27/2026  
 Model: NOAA IGRF 2025

TARGET LINE - 3209KBTVD W -.65°DIP (90.65°INC)



# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid  
Eagle 33 Federal Com  
Eagle 33 Federal Com 8H**

**8H**

**Plan: Plan #1**

## **Standard Planning Report**

**27 January, 2026**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

<b>Project</b>	Eddy County, NM (NAD83) NMEZ Grid		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Eagle 33 Federal Com				
<b>Site Position:</b>		<b>Northing:</b>	652,205.32 usft	<b>Latitude:</b>	32.7929293
<b>From:</b>	Map	<b>Easting:</b>	559,941.96 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b>	0.03 °

<b>Well</b>	Eagle 33 Federal Com 8H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	652,205.32 usft	<b>Latitude:</b>	32.7929293
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	559,941.96 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,526.00 usft

<b>Wellbore</b>	8H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	01/27/26	6.57	60.15	47,212.50000000

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.08

<b>Plan Survey Tool Program</b>	<b>Date</b>	01/27/26			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	8,760.49 Plan #1 (8H)	MWD		
			OWSG MWD - Standard		

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,203.96	14.08	173.54	1,196.90	-85.51	9.68	2.00	2.00	0.00	173.54	
2,427.71	14.08	173.54	2,383.89	-381.31	43.18	0.00	0.00	0.00	0.00	
3,209.58	60.00	270.08	3,023.35	-485.94	-321.65	8.00	5.87	12.35	104.18	
3,409.58	60.00	270.08	3,123.35	-485.70	-494.85	0.00	0.00	0.00	0.00	
3,716.08	90.65	270.08	3,200.07	-485.29	-787.83	10.00	10.00	0.00	0.00	
8,670.65	90.65	270.08	3,143.87	-478.37	-5,742.09	0.00	0.00	0.00	0.00	Eagle33 8H LTP 231C
8,760.72	90.65	270.08	3,142.85	-478.24	-5,832.15	0.00	0.00	0.00	0.00	Eagle33 8H PBHL 23

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
458.00	0.00	0.00	458.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Seven Rivers</b>									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
600.00	2.00	173.54	599.98	-1.73	0.20	-0.20	2.00	2.00	0.00
700.00	4.00	173.54	699.84	-6.93	0.79	-0.79	2.00	2.00	0.00
800.00	6.00	173.54	799.45	-15.59	1.77	-1.79	2.00	2.00	0.00
882.13	7.64	173.54	881.00	-25.29	2.86	-2.90	2.00	2.00	0.00
<b>Queen</b>									
900.00	8.00	173.54	898.70	-27.70	3.14	-3.18	2.00	2.00	0.00
1,000.00	10.00	173.54	997.47	-43.25	4.90	-4.96	2.00	2.00	0.00
1,100.00	12.00	173.54	1,095.62	-62.21	7.04	-7.13	2.00	2.00	0.00
1,203.96	14.08	173.54	1,196.90	-85.51	9.68	-9.80	2.00	2.00	0.00
<b>Start 1223.75 hold at 1203.96 MD</b>									
1,254.58	14.08	173.54	1,246.00	-97.75	11.07	-11.21	0.00	0.00	0.00
<b>Grayburg</b>									
1,300.00	14.08	173.54	1,290.05	-108.73	12.31	-12.46	0.00	0.00	0.00
1,400.00	14.08	173.54	1,387.05	-132.90	15.05	-15.24	0.00	0.00	0.00
1,500.00	14.08	173.54	1,484.04	-157.07	17.79	-18.01	0.00	0.00	0.00
1,546.35	14.08	173.54	1,529.00	-168.27	19.06	-19.29	0.00	0.00	0.00
<b>San Andres</b>									
1,600.00	14.08	173.54	1,581.04	-181.24	20.52	-20.78	0.00	0.00	0.00
1,700.00	14.08	173.54	1,678.04	-205.41	23.26	-23.55	0.00	0.00	0.00
1,800.00	14.08	173.54	1,775.03	-229.58	26.00	-26.32	0.00	0.00	0.00
1,900.00	14.08	173.54	1,872.03	-253.76	28.74	-29.09	0.00	0.00	0.00
2,000.00	14.08	173.54	1,969.02	-277.93	31.47	-31.86	0.00	0.00	0.00
2,100.00	14.08	173.54	2,066.02	-302.10	34.21	-34.63	0.00	0.00	0.00
2,200.00	14.08	173.54	2,163.02	-326.27	36.95	-37.40	0.00	0.00	0.00
2,300.00	14.08	173.54	2,260.01	-350.44	39.69	-40.18	0.00	0.00	0.00
2,400.00	14.08	173.54	2,357.01	-374.62	42.42	-42.95	0.00	0.00	0.00
2,427.71	14.08	173.54	2,383.89	-381.31	43.18	-43.71	0.00	0.00	0.00
<b>KOP Start DLS 8.00 TFO 104.18</b>									
2,450.00	13.75	180.83	2,405.52	-386.66	43.45	-43.99	8.00	-1.48	32.72
2,500.00	13.83	197.67	2,454.10	-398.29	41.55	-42.10	8.00	0.15	33.68
2,550.00	14.99	213.11	2,502.55	-409.41	36.20	-36.77	8.00	2.33	30.88
2,600.00	17.02	225.66	2,550.62	-419.94	27.43	-28.02	8.00	4.06	25.11
2,650.00	19.64	235.29	2,598.09	-429.84	15.29	-15.89	8.00	5.25	19.26
2,700.00	22.66	242.59	2,644.73	-439.07	-0.18	-0.43	8.00	6.04	14.60
2,750.00	25.93	248.19	2,690.30	-447.56	-18.89	18.26	8.00	6.55	11.21
2,800.00	29.37	252.59	2,734.58	-455.30	-40.75	40.11	8.00	6.88	8.80
2,850.00	32.93	256.13	2,777.37	-462.23	-65.65	65.01	8.00	7.12	7.07
2,900.00	36.57	259.04	2,818.45	-468.32	-93.49	92.83	8.00	7.28	5.82
2,950.00	40.27	261.49	2,857.61	-473.54	-124.11	123.44	8.00	7.40	4.90
2,965.05	41.40	262.15	2,869.00	-474.94	-133.85	133.18	8.00	7.46	4.41
<b>Glorieta</b>									
3,000.00	44.02	263.59	2,894.68	-477.88	-157.37	156.70	8.00	7.50	4.11
3,050.00	47.80	265.42	2,929.47	-481.30	-193.10	192.43	8.00	7.56	3.66
3,078.17	49.94	266.36	2,948.00	-482.82	-214.27	213.59	8.00	7.60	3.33

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
<b>Paddock</b>									
3,100.00	51.60	267.04	2,961.80	-483.79	-231.15	230.47	8.00	7.62	3.15
3,150.00	55.42	268.51	2,991.53	-485.34	-271.30	270.63	8.00	7.65	2.92
3,200.00	59.26	269.84	3,018.51	-485.93	-313.39	312.71	8.00	7.68	2.66
3,209.58	60.00	270.08	3,023.35	-485.94	-321.65	320.97	8.00	7.70	2.53
<b>60DEG Start 200.00 hold at 3209.58 MD</b>									
3,300.00	60.00	270.08	3,068.56	-485.83	-399.96	399.28	0.00	0.00	0.00
3,400.88	60.00	270.08	3,119.00	-485.71	-487.32	486.64	0.00	0.00	0.00
<b>Lower Paddock</b>									
3,409.58	60.00	270.08	3,123.35	-485.70	-494.85	494.18	0.00	0.00	0.00
<b>Start DLS 10.00 TFO 0.00</b>									
3,450.00	64.04	270.08	3,142.31	-485.65	-530.55	529.87	10.00	10.00	0.00
3,500.00	69.04	270.08	3,162.21	-485.58	-576.40	575.72	10.00	10.00	0.00
3,550.00	74.04	270.08	3,178.03	-485.52	-623.81	623.13	10.00	10.00	0.00
3,600.00	79.04	270.08	3,189.67	-485.45	-672.42	671.75	10.00	10.00	0.00
3,650.00	84.04	270.08	3,197.02	-485.38	-721.86	721.19	10.00	10.00	0.00
3,700.00	89.04	270.08	3,200.03	-485.31	-771.76	771.08	10.00	10.00	0.00
3,713.65	90.41	270.08	3,200.10	-485.29	-785.41	784.73	10.00	10.00	0.00
<b>Target</b>									
3,716.08	90.65	270.08	3,200.07	-485.29	-787.83	787.15	10.00	10.00	0.00
<b>FTP Start 4954.58 hold at 3716.08 MD</b>									
3,800.00	90.65	270.08	3,199.12	-485.17	-871.75	871.07	0.00	0.00	0.00
3,900.00	90.65	270.08	3,197.99	-485.03	-971.74	971.07	0.00	0.00	0.00
4,000.00	90.65	270.08	3,196.85	-484.89	-1,071.74	1,071.06	0.00	0.00	0.00
4,100.00	90.65	270.08	3,195.72	-484.75	-1,171.73	1,171.05	0.00	0.00	0.00
4,200.00	90.65	270.08	3,194.59	-484.61	-1,271.72	1,271.05	0.00	0.00	0.00
4,300.00	90.65	270.08	3,193.45	-484.47	-1,371.72	1,371.04	0.00	0.00	0.00
4,400.00	90.65	270.08	3,192.32	-484.33	-1,471.71	1,471.03	0.00	0.00	0.00
4,500.00	90.65	270.08	3,191.18	-484.19	-1,571.71	1,571.03	0.00	0.00	0.00
4,600.00	90.65	270.08	3,190.05	-484.05	-1,671.70	1,671.02	0.00	0.00	0.00
4,700.00	90.65	270.08	3,188.91	-483.92	-1,771.69	1,771.01	0.00	0.00	0.00
4,800.00	90.65	270.08	3,187.78	-483.78	-1,871.69	1,871.01	0.00	0.00	0.00
4,900.00	90.65	270.08	3,186.64	-483.64	-1,971.68	1,971.00	0.00	0.00	0.00
5,000.00	90.65	270.08	3,185.51	-483.50	-2,071.67	2,071.00	0.00	0.00	0.00
5,100.00	90.65	270.08	3,184.38	-483.36	-2,171.67	2,170.99	0.00	0.00	0.00
5,200.00	90.65	270.08	3,183.24	-483.22	-2,271.66	2,270.98	0.00	0.00	0.00
5,300.00	90.65	270.08	3,182.11	-483.08	-2,371.65	2,370.98	0.00	0.00	0.00
5,400.00	90.65	270.08	3,180.97	-482.94	-2,471.65	2,470.97	0.00	0.00	0.00
5,500.00	90.65	270.08	3,179.84	-482.80	-2,571.64	2,570.96	0.00	0.00	0.00
5,600.00	90.65	270.08	3,178.70	-482.66	-2,671.63	2,670.96	0.00	0.00	0.00
5,700.00	90.65	270.08	3,177.57	-482.52	-2,771.63	2,770.95	0.00	0.00	0.00
5,800.00	90.65	270.08	3,176.43	-482.38	-2,871.62	2,870.94	0.00	0.00	0.00
5,900.00	90.65	270.08	3,175.30	-482.24	-2,971.61	2,970.94	0.00	0.00	0.00
6,000.00	90.65	270.08	3,174.17	-482.10	-3,071.61	3,070.93	0.00	0.00	0.00
6,100.00	90.65	270.08	3,173.03	-481.96	-3,171.60	3,170.92	0.00	0.00	0.00
6,200.00	90.65	270.08	3,171.90	-481.82	-3,271.59	3,270.92	0.00	0.00	0.00
6,300.00	90.65	270.08	3,170.76	-481.68	-3,371.59	3,370.91	0.00	0.00	0.00
6,400.00	90.65	270.08	3,169.63	-481.54	-3,471.58	3,470.91	0.00	0.00	0.00
6,500.00	90.65	270.08	3,168.49	-481.40	-3,571.57	3,570.90	0.00	0.00	0.00
6,600.00	90.65	270.08	3,167.36	-481.26	-3,671.57	3,670.89	0.00	0.00	0.00
6,700.00	90.65	270.08	3,166.22	-481.12	-3,771.56	3,770.89	0.00	0.00	0.00
6,800.00	90.65	270.08	3,165.09	-480.98	-3,871.56	3,870.88	0.00	0.00	0.00
6,900.00	90.65	270.08	3,163.96	-480.84	-3,971.55	3,970.87	0.00	0.00	0.00

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
7,000.00	90.65	270.08	3,162.82	-480.70	-4,071.54	4,070.87	0.00	0.00	0.00	
7,100.00	90.65	270.08	3,161.69	-480.56	-4,171.54	4,170.86	0.00	0.00	0.00	
7,200.00	90.65	270.08	3,160.55	-480.42	-4,271.53	4,270.85	0.00	0.00	0.00	
7,300.00	90.65	270.08	3,159.42	-480.28	-4,371.52	4,370.85	0.00	0.00	0.00	
7,400.00	90.65	270.08	3,158.28	-480.14	-4,471.52	4,470.84	0.00	0.00	0.00	
7,500.00	90.65	270.08	3,157.15	-480.01	-4,571.51	4,570.83	0.00	0.00	0.00	
7,600.00	90.65	270.08	3,156.02	-479.87	-4,671.50	4,670.83	0.00	0.00	0.00	
7,700.00	90.65	270.08	3,154.88	-479.73	-4,771.50	4,770.82	0.00	0.00	0.00	
7,800.00	90.65	270.08	3,153.75	-479.59	-4,871.49	4,870.82	0.00	0.00	0.00	
7,900.00	90.65	270.08	3,152.61	-479.45	-4,971.48	4,970.81	0.00	0.00	0.00	
8,000.00	90.65	270.08	3,151.48	-479.31	-5,071.48	5,070.80	0.00	0.00	0.00	
8,100.00	90.65	270.08	3,150.34	-479.17	-5,171.47	5,170.80	0.00	0.00	0.00	
8,200.00	90.65	270.08	3,149.21	-479.03	-5,271.46	5,270.79	0.00	0.00	0.00	
8,300.00	90.65	270.08	3,148.07	-478.89	-5,371.46	5,370.78	0.00	0.00	0.00	
8,400.00	90.65	270.08	3,146.94	-478.75	-5,471.45	5,470.78	0.00	0.00	0.00	
8,500.00	90.65	270.08	3,145.81	-478.61	-5,571.44	5,570.77	0.00	0.00	0.00	
8,600.00	90.65	270.08	3,144.67	-478.47	-5,671.44	5,670.76	0.00	0.00	0.00	
8,670.65	90.65	270.08	3,143.87	-478.37	-5,742.09	5,741.41	0.00	0.00	0.00	
<b>LTP Start 90.06 hold at 8670.65 MD</b>										
8,700.00	90.65	270.08	3,143.54	-478.33	-5,771.43	5,770.76	0.00	0.00	0.00	
8,760.72	90.65	270.08	3,142.85	-478.24	-5,832.15	5,831.47	0.00	0.00	0.00	
<b>PBHL TD at 8760.72</b>										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Eagle33 8H SHL 1836F1 - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	652,205.32	559,941.96	32.7929293	-104.2727898	
Eagle33 8H 60DEG - plan hits target center - Point	0.00	0.00	3,023.35	-485.94	-321.65	651,719.38	559,620.31	32.7915941	-104.2738374	
Eagle33 8H PBHL 2310I - plan misses target center by 0.19usft at 8760.72usft MD (3142.85 TVD, -478.24 N, -5832.15 E) - Point	0.00	0.00	3,142.85	-478.05	-5,832.15	651,727.27	554,109.82	32.7916230	-104.2917696	
Eagle33 8H LTP 2310F1 - plan misses target center by 0.20usft at 8670.65usft MD (3143.87 TVD, -478.37 N, -5742.09 E) - Point	0.00	0.00	3,143.87	-478.17	-5,742.09	651,727.15	554,199.88	32.7916226	-104.2914766	
Eagle33 8H FTP 2310F1 - plan misses target center by 0.01usft at 3716.16usft MD (3200.07 TVD, -485.29 N, -787.92 E) - Point	0.00	0.00	3,200.07	-485.28	-787.92	651,720.04	559,154.05	32.7915966	-104.2753547	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
458.00	458.00	Seven Rivers		0.00		
882.13	881.00	Queen		0.00		
1,254.58	1,246.00	Grayburg		0.00		
1,546.35	1,529.00	San Andres		0.00		
2,965.05	2,869.00	Glorieta		0.00		
3,078.17	2,948.00	Paddock		0.00		
3,400.88	3,119.00	Lower Paddock		0.00		
3,713.65	3,200.10	Target		-0.65	270.08	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.00	500.00	0.00	0.00	Start Build 2.00	
1,203.96	1,196.90	-85.51	9.68	Start 1223.75 hold at 1203.96 MD	
2,427.71	2,383.89	-381.31	43.18	KOP Start DLS 8.00 TFO 104.18	
3,209.58	3,023.35	-485.94	-321.65	60DEG Start 200.00 hold at 3209.58 MD	
3,409.58	3,123.35	-485.70	-494.85	Start DLS 10.00 TFO 0.00	
3,716.08	3,200.07	-485.29	-787.83	FTP Start 4954.58 hold at 3716.08 MD	
8,670.65	3,143.87	-478.37	-5,742.09	LTP Start 90.06 hold at 8670.65 MD	
8,760.72	3,142.85	-478.24	-5,832.15	PBHL TD at 8760.72	

# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid**

**Eagle 33 Federal Com**

**Eagle 33 Federal Com 8H**

**8H**

**Plan #1**

## **Anticollision Report**

**27 January, 2026**

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 50.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Unknown AC limit!	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	Date	01/27/26		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,760.49	Plan #1 (8H)	MWD	OWSG MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (usft)</b>	<b>Offset Measured Depth (usft)</b>	<b>Distance Between Centres (usft)</b>	<b>Distance Between Ellipses (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
Offset Well - Wellbore - Design						
Eagle 33 Federal Com						
Eagle 33 Federal Com 7H - 7H - Plan #1	500.00	500.00	19.97	16.04	5.077	CC, ES
Eagle 33 Federal Com 7H - 7H - Plan #1	8,750.00	9,066.53	760.36	509.24	3.028	SF

<b>Offset Design</b>													<b>Offset Site Error:</b>	0.00 usft	
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1													<b>Offset Well Error:</b>	0.00 usft	
Survey Program: 0-MWD															
Reference				Offset				Semi Major Axis				Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	-0.06	19.97	-0.02	19.97						
50.00	50.00	50.00	50.00	0.10	0.14	-0.06	19.97	-0.02	19.97	19.78	0.19	104.212			
100.00	100.00	100.00	100.00	0.29	0.29	-0.06	19.97	-0.02	19.97	19.52	0.45	44.324			
150.00	150.00	150.00	150.00	0.61	0.61	-0.06	19.97	-0.02	19.97	19.00	0.97	20.501			
200.00	200.00	200.00	200.00	0.94	0.94	-0.06	19.97	-0.02	19.97	18.47	1.50	13.334			
250.00	250.00	250.00	250.00	1.19	1.19	-0.06	19.97	-0.02	19.97	18.04	1.93	10.323			
300.00	300.00	300.00	300.00	1.44	1.44	-0.06	19.97	-0.02	19.97	17.60	2.37	8.421			
350.00	350.00	350.00	350.00	1.66	1.66	-0.06	19.97	-0.02	19.97	17.20	2.77	7.211			
400.00	400.00	400.00	400.00	1.88	1.88	-0.06	19.97	-0.02	19.97	16.80	3.17	6.305			
450.00	450.00	450.00	450.00	2.09	2.09	-0.06	19.97	-0.02	19.97	16.42	3.55	5.625			
500.00	500.00	500.00	500.00	2.30	2.30	-0.06	19.97	-0.02	19.97	16.04	3.93	5.077	CC, ES		
550.00	550.00	549.65	549.65	2.45	2.65	-173.45	20.39	0.08	20.83	16.33	4.50	4.629			
600.00	599.98	599.21	599.19	2.61	3.00	-173.09	21.64	0.37	23.39	18.32	5.07	4.613			
650.00	649.93	648.60	648.53	3.12	3.50	-172.63	23.72	0.87	27.66	21.51	6.15	4.501			
700.00	699.84	697.73	697.57	3.68	4.01	-172.18	26.61	1.55	33.63	26.41	7.22	4.658			
750.00	749.68	746.51	746.21	4.12	4.43	-171.79	30.29	2.42	41.28	33.22	8.07	5.118			
800.00	799.45	794.87	794.35	4.57	4.83	-171.47	34.73	3.46	50.61	41.71	8.90	5.687			
850.00	849.13	842.73	841.92	4.96	5.19	-171.21	39.90	4.69	61.58	51.97	9.61	6.405			
900.00	898.70	890.02	888.81	5.34	5.54	-171.00	45.77	6.07	74.19	63.88	10.31	7.193			
950.00	948.15	937.01	935.32	5.69	5.71	-170.83	52.32	7.62	88.38	77.58	10.80	8.182			
1,000.00	997.47	984.64	982.42	6.04	5.82	-170.74	59.17	9.24	103.61	92.36	11.25	9.211			
1,050.00	1,046.63	1,031.99	1,029.26	6.36	5.93	-170.73	65.98	10.84	119.65	107.98	11.67	10.254			
1,100.00	1,095.62	1,079.06	1,075.81	6.67	6.05	-170.77	72.75	12.44	136.51	124.42	12.09	11.293			
1,150.00	1,144.44	1,125.84	1,122.07	6.99	6.17	-170.84	79.48	14.03	154.18	141.67	12.50	12.332			
1,200.00	1,193.06	1,172.30	1,168.02	7.30	6.30	-170.93	86.16	15.61	172.65	159.73	12.92	13.364			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft		
Survey Program: 0-MWD													Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
1,203.96	1,196.90	1,175.96	1,171.65	7.33	6.31	-170.94	86.69	15.73	174.14	161.19	12.95	13.446				
1,250.00	1,241.55	1,218.57	1,213.79	7.50	6.43	-171.07	92.81	17.18	191.58	178.36	13.22	14.492				
1,300.00	1,290.05	1,264.85	1,259.56	7.68	6.56	-171.19	99.47	18.75	210.52	197.00	13.52	15.576				
1,350.00	1,338.55	1,311.12	1,305.32	7.81	6.70	-171.30	106.12	20.32	229.45	215.69	13.76	16.678				
1,400.00	1,387.05	1,357.39	1,351.09	7.94	6.83	-171.38	112.78	21.89	248.39	234.38	14.00	17.736				
1,450.00	1,435.55	1,403.67	1,396.85	8.07	6.97	-171.46	119.43	23.47	267.33	253.07	14.26	18.749				
1,500.00	1,484.04	1,449.94	1,442.62	8.21	7.11	-171.52	126.09	25.04	286.26	271.75	14.52	19.721				
1,550.00	1,532.54	1,496.21	1,488.39	8.35	7.26	-171.58	132.74	26.61	305.20	290.42	14.78	20.652				
1,600.00	1,581.04	1,542.49	1,534.15	8.49	7.39	-171.63	139.40	28.18	324.14	309.10	15.04	21.551				
1,650.00	1,629.54	1,590.94	1,582.08	8.64	7.53	-171.67	146.31	29.81	343.03	327.70	15.33	22.376				
1,700.00	1,678.04	1,643.87	1,634.55	8.79	7.74	-171.75	153.12	31.42	361.25	345.54	15.71	22.990				
1,750.00	1,726.53	1,697.53	1,687.86	8.94	7.97	-171.85	159.06	32.82	378.63	362.51	16.11	23.500				
1,800.00	1,775.03	1,751.91	1,741.99	9.10	8.29	-171.97	164.08	34.01	395.13	378.54	16.59	23.812				
1,850.00	1,823.53	1,806.97	1,796.89	9.26	8.63	-172.12	168.15	34.97	410.76	393.68	17.08	24.047				
1,900.00	1,872.03	1,862.69	1,852.51	9.42	8.95	-172.29	171.23	35.69	425.49	407.93	17.55	24.239				
1,950.00	1,920.53	1,919.03	1,908.82	9.59	9.27	-172.47	173.26	36.17	439.30	421.28	18.02	24.372				
2,000.00	1,969.02	1,975.97	1,965.75	9.76	9.57	-172.68	174.22	36.40	452.19	433.70	18.49	24.459				
2,050.00	2,017.52	2,027.74	2,017.52	9.93	9.77	-172.89	174.30	36.42	464.33	445.49	18.83	24.654				
2,100.00	2,066.02	2,076.24	2,066.02	10.11	9.90	-173.07	174.30	36.42	476.41	457.29	19.11	24.928				
2,150.00	2,114.52	2,124.74	2,114.52	10.29	10.03	-173.24	174.30	36.42	488.49	469.09	19.40	25.183				
2,200.00	2,163.02	2,173.24	2,163.02	10.48	10.18	-173.40	174.30	36.42	500.57	480.88	19.69	25.425				
2,250.00	2,211.51	2,221.73	2,211.51	10.67	10.32	-173.56	174.30	36.42	512.66	492.68	19.98	25.655				
2,300.00	2,260.01	2,270.23	2,260.01	10.87	10.47	-173.71	174.30	36.42	524.75	504.48	20.28	25.877				
2,350.00	2,308.51	2,318.73	2,308.51	11.07	10.61	-173.85	174.30	36.42	536.85	516.27	20.58	26.089				
2,400.00	2,357.01	2,367.23	2,357.01	11.27	10.76	-173.99	174.30	36.42	548.95	528.07	20.88	26.292				
2,427.71	2,383.89	2,394.11	2,383.89	11.38	10.84	-174.06	174.30	36.42	555.65	534.61	21.04	26.407				
2,450.00	2,405.52	2,415.74	2,405.52	11.47	10.91	178.40	174.30	36.42	561.00	539.83	21.17	26.494				
2,500.00	2,454.10	2,464.32	2,454.10	11.70	11.06	161.31	174.30	36.42	572.62	551.13	21.49	26.650				
2,550.00	2,502.55	2,512.77	2,502.55	11.95	11.21	146.00	174.30	36.42	583.71	561.88	21.83	26.740				
2,600.00	2,550.62	2,560.84	2,550.62	12.23	11.36	133.92	174.30	36.42	594.31	572.13	22.18	26.791				
2,650.00	2,598.09	2,608.31	2,598.09	12.54	11.50	125.08	174.30	36.42	604.51	581.97	22.54	26.822				
2,700.00	2,644.73	2,654.95	2,644.73	12.87	11.65	118.84	174.30	36.42	614.46	591.56	22.89	26.842				
2,750.00	2,690.30	2,700.52	2,690.30	13.21	11.79	114.51	174.30	36.42	624.32	601.08	23.24	26.863				
2,800.00	2,734.58	2,744.80	2,734.58	13.55	11.93	111.56	174.30	36.42	634.31	610.72	23.59	26.894				
2,850.00	2,777.37	2,787.59	2,777.37	13.88	12.06	109.59	174.30	36.42	644.66	620.73	23.93	26.943				
2,900.00	2,818.45	2,837.05	2,826.80	14.20	12.22	108.62	174.30	34.89	655.37	631.08	24.29	26.983				
2,950.00	2,857.61	2,889.46	2,878.93	14.51	12.42	108.17	174.31	29.56	666.17	641.50	24.67	27.007				
3,000.00	2,894.68	2,944.74	2,933.33	14.83	12.66	108.14	174.32	19.82	676.94	651.88	25.07	27.007				
3,050.00	2,929.47	3,003.28	2,989.93	15.14	12.92	108.44	174.34	4.96	687.57	662.08	25.49	26.975				
3,100.00	2,961.80	3,065.49	3,048.54	15.46	13.22	109.01	174.37	-15.83	697.89	671.95	25.94	26.901				
3,150.00	2,991.53	3,131.83	3,108.80	15.80	13.54	109.82	174.40	-43.52	707.74	681.31	26.43	26.775				
3,200.00	3,018.51	3,202.73	3,170.08	16.17	13.89	110.83	174.45	-79.13	716.91	689.94	26.97	26.584				
3,209.58	3,023.35	3,216.87	3,181.86	16.24	13.96	111.04	174.46	-86.95	718.57	691.49	27.08	26.536				
3,250.00	3,043.56	3,279.33	3,231.96	16.55	14.26	112.89	174.51	-124.20	725.03	697.44	27.59	26.279				
3,300.00	3,068.56	3,362.63	3,293.39	16.97	14.66	114.71	174.58	-180.41	731.37	703.09	28.28	25.865				
3,350.00	3,093.56	3,451.13	3,351.02	17.47	15.12	115.87	174.67	-247.49	735.39	706.22	29.17	25.214				
3,400.00	3,118.56	3,542.43	3,401.35	18.01	15.71	116.26	174.77	-323.59	736.72	706.47	30.26	24.349				
3,403.24	3,120.18	3,548.38	3,404.28	18.05	15.76	116.25	174.78	-328.77	736.71	706.38	30.33	24.287				
3,409.58	3,123.35	3,551.00	3,405.63	18.12	15.78	116.26	174.78	-331.01	736.72	706.27	30.45	24.192				
3,409.66	3,123.39	3,551.09	3,405.68	18.12	15.78	116.26	174.78	-331.09	736.72	706.27	30.45	24.191				
3,450.00	3,142.31	3,591.39	3,425.83	18.62	16.12	116.30	174.83	-365.99	737.35	706.02	31.33	23.537				
3,500.00	3,162.21	3,641.05	3,450.66	19.30	16.62	116.47	174.88	-409.00	739.89	707.40	32.49	22.772				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1														
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,550.00	3,178.03	3,690.02	3,475.14	20.06	17.15	116.74	174.94	-451.41	744.45	710.79	33.66	22.117		
3,600.00	3,189.67	3,737.94	3,499.10	20.87	17.73	117.08	174.99	-492.91	751.11	716.28	34.82	21.569		
3,650.00	3,197.02	3,839.64	3,541.92	21.72	19.16	118.39	175.11	-584.99	757.59	720.99	36.60	20.700		
3,700.00	3,200.03	4,009.66	3,576.19	22.62	22.05	119.67	175.33	-750.81	760.51	720.78	39.73	19.140		
3,712.48	3,200.10	4,046.12	3,576.98	22.85	22.73	119.70	175.38	-787.26	760.61	720.08	40.53	18.768		
3,716.08	3,200.07	4,034.74	3,576.62	22.91	22.52	119.67	175.36	-775.89	760.52	720.10	40.42	18.816		
3,750.00	3,199.69	4,084.03	3,576.54	23.55	23.45	119.70	175.43	-825.17	760.60	718.79	41.81	18.192		
3,800.00	3,199.12	4,134.03	3,575.98	24.50	24.43	119.70	175.49	-875.17	760.60	717.07	43.53	17.473		
3,850.00	3,198.56	4,184.03	3,575.41	25.49	25.42	119.70	175.56	-925.17	760.59	715.30	45.29	16.793		
3,900.00	3,197.99	4,234.03	3,574.84	26.49	26.44	119.70	175.62	-975.16	760.59	713.51	47.08	16.155		
3,950.00	3,197.42	4,284.03	3,574.27	27.52	27.47	119.70	175.69	-1,025.16	760.58	711.67	48.91	15.551		
4,000.00	3,196.85	4,334.03	3,573.71	28.56	28.52	119.70	175.75	-1,075.16	760.58	709.82	50.76	14.985		
4,050.00	3,196.29	4,384.03	3,573.14	29.62	29.59	119.70	175.82	-1,125.15	760.57	707.94	52.64	14.449		
4,100.00	3,195.72	4,434.03	3,572.57	30.69	30.67	119.70	175.88	-1,175.15	760.57	706.04	54.53	13.947		
4,150.00	3,195.15	4,484.03	3,572.00	31.78	31.75	119.70	175.95	-1,225.15	760.57	704.11	56.46	13.472		
4,200.00	3,194.59	4,534.03	3,571.44	32.87	32.86	119.70	176.01	-1,275.14	760.56	702.17	58.39	13.026		
4,250.00	3,194.02	4,584.03	3,570.87	33.98	33.96	119.70	176.08	-1,325.14	760.56	700.21	60.35	12.603		
4,300.00	3,193.45	4,634.03	3,570.30	35.09	35.08	119.70	176.14	-1,375.14	760.55	698.24	62.31	12.206		
4,350.00	3,192.88	4,684.03	3,569.73	36.22	36.21	119.70	176.21	-1,425.13	760.55	696.25	64.30	11.829		
4,400.00	3,192.32	4,734.03	3,569.16	37.34	37.34	119.70	176.27	-1,475.13	760.54	694.26	66.29	11.473		
4,450.00	3,191.75	4,784.03	3,568.60	38.48	38.48	119.70	176.34	-1,525.13	760.54	692.24	68.29	11.136		
4,500.00	3,191.18	4,834.03	3,568.03	39.62	39.63	119.71	176.40	-1,575.12	760.53	690.23	70.31	10.817		
4,550.00	3,190.61	4,884.03	3,567.46	40.77	40.78	119.71	176.47	-1,625.12	760.53	688.20	72.33	10.514		
4,600.00	3,190.05	4,934.03	3,566.89	41.92	41.93	119.71	176.53	-1,675.12	760.53	686.16	74.37	10.227		
4,650.00	3,189.48	4,984.03	3,566.33	43.08	43.09	119.71	176.60	-1,725.12	760.52	684.11	76.41	9.953		
4,700.00	3,188.91	5,034.03	3,565.76	44.24	44.25	119.71	176.66	-1,775.11	760.52	682.06	78.46	9.693		
4,750.00	3,188.35	5,084.03	3,565.19	45.40	45.42	119.71	176.73	-1,825.11	760.51	680.00	80.51	9.446		
4,800.00	3,187.78	5,134.03	3,564.62	46.57	46.59	119.71	176.79	-1,875.11	760.51	677.93	82.57	9.210		
4,850.00	3,187.21	5,184.03	3,564.05	47.75	47.76	119.71	176.86	-1,925.10	760.50	675.86	84.64	8.985		
4,900.00	3,186.64	5,234.03	3,563.49	48.92	48.94	119.71	176.92	-1,975.10	760.50	673.79	86.71	8.770		
4,950.00	3,186.08	5,284.03	3,562.92	50.10	50.12	119.71	176.99	-2,025.10	760.50	671.70	88.79	8.565		
5,000.00	3,185.51	5,334.03	3,562.35	51.28	51.30	119.71	177.05	-2,075.09	760.49	669.62	90.87	8.369		
5,050.00	3,184.94	5,384.03	3,561.78	52.46	52.49	119.71	177.12	-2,125.09	760.49	667.53	92.96	8.181		
5,100.00	3,184.38	5,434.03	3,561.22	53.65	53.68	119.71	177.18	-2,175.09	760.48	665.43	95.05	8.001		
5,150.00	3,183.81	5,484.03	3,560.65	54.84	54.86	119.71	177.25	-2,225.08	760.48	663.33	97.14	7.828		
5,200.00	3,183.24	5,534.03	3,560.08	56.02	56.06	119.71	177.31	-2,275.08	760.47	661.23	99.24	7.663		
5,250.00	3,182.67	5,584.03	3,559.51	57.22	57.25	119.71	177.38	-2,325.08	760.47	659.13	101.34	7.504		
5,300.00	3,182.11	5,634.03	3,558.95	58.41	58.44	119.71	177.44	-2,375.07	760.46	657.02	103.45	7.351		
5,350.00	3,181.54	5,684.03	3,558.38	59.60	59.64	119.71	177.51	-2,425.07	760.46	654.91	105.55	7.204		
5,400.00	3,180.97	5,734.03	3,557.81	60.80	60.84	119.71	177.57	-2,475.07	760.46	652.79	107.66	7.063		
5,450.00	3,180.40	5,784.03	3,557.24	62.00	62.04	119.71	177.64	-2,525.06	760.45	650.67	109.78	6.927		
5,500.00	3,179.84	5,834.03	3,556.67	63.20	63.24	119.71	177.70	-2,575.06	760.45	648.56	111.89	6.796		
5,550.00	3,179.27	5,884.03	3,556.11	64.40	64.44	119.71	177.77	-2,625.06	760.44	646.43	114.01	6.670		
5,600.00	3,178.70	5,934.03	3,555.54	65.60	65.64	119.71	177.83	-2,675.05	760.44	644.31	116.13	6.548		
5,650.00	3,178.14	5,984.03	3,554.97	66.81	66.84	119.71	177.90	-2,725.05	760.43	642.18	118.25	6.431		
5,700.00	3,177.57	6,034.03	3,554.40	68.01	68.05	119.71	177.96	-2,775.05	760.43	640.06	120.37	6.317		
5,750.00	3,177.00	6,084.03	3,553.84	69.21	69.26	119.71	178.03	-2,825.04	760.43	637.93	122.50	6.208		
5,800.00	3,176.43	6,134.03	3,553.27	70.42	70.46	119.71	178.09	-2,875.04	760.42	635.79	124.63	6.102		
5,850.00	3,175.87	6,184.03	3,552.70	71.63	71.67	119.71	178.16	-2,925.04	760.42	633.66	126.75	5.999		
5,900.00	3,175.30	6,234.03	3,552.13	72.84	72.88	119.71	178.22	-2,975.03	760.41	631.53	128.89	5.900		
5,950.00	3,174.73	6,284.03	3,551.56	74.05	74.09	119.71	178.29	-3,025.03	760.41	629.39	131.02	5.804		
6,000.00	3,174.17	6,334.03	3,551.00	75.26	75.30	119.71	178.35	-3,075.03	760.40	627.25	133.15	5.711		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,050.00	3,173.60	6,384.03	3,550.43	76.47	76.51	119.71	178.42	-3,125.02	760.40	625.11	135.28	5.621		
6,100.00	3,173.03	6,434.03	3,549.86	77.68	77.72	119.71	178.48	-3,175.02	760.39	622.97	137.42	5.533		
6,150.00	3,172.46	6,484.03	3,549.29	78.89	78.94	119.71	178.55	-3,225.02	760.39	620.83	139.56	5.449		
6,200.00	3,171.90	6,534.03	3,548.73	80.10	80.15	119.71	178.61	-3,275.01	760.39	618.69	141.70	5.366		
6,250.00	3,171.33	6,584.03	3,548.16	81.32	81.36	119.71	178.68	-3,325.01	760.38	616.55	143.84	5.286		
6,300.00	3,170.76	6,634.03	3,547.59	82.53	82.58	119.71	178.74	-3,375.01	760.38	614.40	145.98	5.209		
6,350.00	3,170.20	6,684.03	3,547.02	83.75	83.79	119.71	178.81	-3,425.00	760.37	612.25	148.12	5.134		
6,400.00	3,169.63	6,734.03	3,546.45	84.96	85.01	119.71	178.87	-3,475.00	760.37	610.11	150.26	5.060		
6,450.00	3,169.06	6,784.03	3,545.89	86.18	86.23	119.71	178.94	-3,525.00	760.36	607.96	152.40	4.989		
6,500.00	3,168.49	6,834.03	3,545.32	87.39	87.44	119.71	179.00	-3,574.99	760.36	605.81	154.55	4.920		
6,550.00	3,167.93	6,884.03	3,544.75	88.61	88.66	119.71	179.07	-3,624.99	760.35	603.66	156.69	4.852		
6,600.00	3,167.36	6,934.03	3,544.18	89.83	89.88	119.71	179.14	-3,674.99	760.35	601.51	158.84	4.787		
6,650.00	3,166.79	6,984.03	3,543.62	91.04	91.10	119.71	179.20	-3,724.98	760.35	599.36	160.99	4.723		
6,700.00	3,166.22	7,034.03	3,543.05	92.26	92.31	119.71	179.27	-3,774.98	760.34	597.21	163.13	4.661		
6,750.00	3,165.66	7,084.03	3,542.48	93.48	93.53	119.71	179.33	-3,824.98	760.34	595.05	165.28	4.600		
6,800.00	3,165.09	7,134.03	3,541.91	94.70	94.75	119.71	179.40	-3,874.97	760.33	592.90	167.43	4.541		
6,850.00	3,164.52	7,184.03	3,541.35	95.92	95.97	119.71	179.46	-3,924.97	760.33	590.75	169.58	4.484		
6,900.00	3,163.96	7,234.03	3,540.78	97.14	97.19	119.71	179.53	-3,974.97	760.32	588.59	171.73	4.427		
6,950.00	3,163.39	7,284.03	3,540.21	98.36	98.41	119.71	179.59	-4,024.97	760.32	586.44	173.88	4.373		
7,000.00	3,162.82	7,334.03	3,539.64	99.58	99.63	119.71	179.66	-4,074.96	760.32	584.28	176.04	4.319		
7,050.00	3,162.25	7,384.03	3,539.07	100.80	100.85	119.71	179.72	-4,124.96	760.31	582.12	178.19	4.267		
7,100.00	3,161.69	7,434.03	3,538.51	102.02	102.08	119.71	179.79	-4,174.96	760.31	579.97	180.34	4.216		
7,150.00	3,161.12	7,484.03	3,537.94	103.24	103.30	119.71	179.85	-4,224.95	760.30	577.81	182.49	4.166		
7,200.00	3,160.55	7,534.03	3,537.37	104.47	104.52	119.71	179.92	-4,274.95	760.30	575.65	184.65	4.118		
7,250.00	3,159.99	7,584.03	3,536.80	105.69	105.74	119.71	179.98	-4,324.95	760.29	573.49	186.80	4.070		
7,300.00	3,159.42	7,634.03	3,536.24	106.91	106.96	119.71	180.05	-4,374.94	760.29	571.33	188.96	4.024		
7,350.00	3,158.85	7,684.03	3,535.67	108.13	108.19	119.71	180.11	-4,424.94	760.28	569.17	191.11	3.978		
7,400.00	3,158.28	7,734.03	3,535.10	109.36	109.41	119.71	180.18	-4,474.94	760.28	567.01	193.27	3.934		
7,450.00	3,157.72	7,784.03	3,534.53	110.58	110.63	119.71	180.24	-4,524.93	760.28	564.85	195.43	3.890		
7,500.00	3,157.15	7,834.03	3,533.96	111.80	111.86	119.71	180.31	-4,574.93	760.27	562.69	197.58	3.848		
7,550.00	3,156.58	7,884.03	3,533.40	113.03	113.08	119.71	180.37	-4,624.93	760.27	560.53	199.74	3.806		
7,600.00	3,156.02	7,934.03	3,532.83	114.25	114.31	119.71	180.44	-4,674.92	760.26	558.36	201.90	3.766		
7,650.00	3,155.45	7,984.03	3,532.26	115.47	115.53	119.71	180.50	-4,724.92	760.26	556.20	204.06	3.726		
7,700.00	3,154.88	8,034.03	3,531.69	116.70	116.75	119.71	180.57	-4,774.92	760.25	554.04	206.21	3.687		
7,750.00	3,154.31	8,084.03	3,531.13	117.92	117.98	119.71	180.63	-4,824.91	760.25	551.88	208.37	3.648		
7,800.00	3,153.75	8,134.03	3,530.56	119.15	119.20	119.71	180.70	-4,874.91	760.24	549.71	210.53	3.611		
7,850.00	3,153.18	8,184.03	3,529.99	120.37	120.43	119.71	180.76	-4,924.91	760.24	547.55	212.69	3.574		
7,900.00	3,152.61	8,234.03	3,529.42	121.60	121.65	119.71	180.83	-4,974.90	760.24	545.38	214.85	3.538		
7,950.00	3,152.04	8,284.03	3,528.86	122.82	122.88	119.71	180.89	-5,024.90	760.23	543.22	217.01	3.503		
8,000.00	3,151.48	8,334.03	3,528.29	124.05	124.10	119.72	180.96	-5,074.90	760.23	541.06	219.17	3.469		
8,050.00	3,150.91	8,384.03	3,527.72	125.27	125.33	119.72	181.02	-5,124.89	760.22	538.89	221.33	3.435		
8,100.00	3,150.34	8,434.03	3,527.15	126.50	126.56	119.72	181.09	-5,174.89	760.22	536.72	223.49	3.402		
8,150.00	3,149.78	8,484.03	3,526.58	127.72	127.78	119.72	181.15	-5,224.89	760.21	534.56	225.66	3.369		
8,200.00	3,149.21	8,534.03	3,526.02	128.95	129.01	119.72	181.22	-5,274.88	760.21	532.39	227.82	3.337		
8,250.00	3,148.64	8,584.03	3,525.45	130.18	130.24	119.72	181.28	-5,324.88	760.21	530.23	229.98	3.306		
8,300.00	3,148.07	8,634.03	3,524.88	131.40	131.46	119.72	181.35	-5,374.88	760.20	528.06	232.14	3.275		
8,350.00	3,147.51	8,684.03	3,524.31	132.63	132.69	119.72	181.41	-5,424.87	760.20	525.89	234.30	3.245		
8,400.00	3,146.94	8,734.03	3,523.75	133.86	133.92	119.72	181.48	-5,474.87	760.19	523.73	236.47	3.215		
8,450.00	3,146.37	8,784.03	3,523.18	135.08	135.14	119.72	181.54	-5,524.87	760.19	521.56	238.63	3.186		
8,500.00	3,145.81	8,834.03	3,522.61	136.31	136.37	119.72	181.61	-5,574.86	760.18	519.39	240.79	3.157		
8,550.00	3,145.24	8,884.03	3,522.04	137.54	137.60	119.72	181.67	-5,624.86	760.18	517.22	242.95	3.129		
8,600.00	3,144.67	8,934.03	3,521.47	138.76	138.82	119.72	181.74	-5,674.86	760.17	515.06	245.12	3.101		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

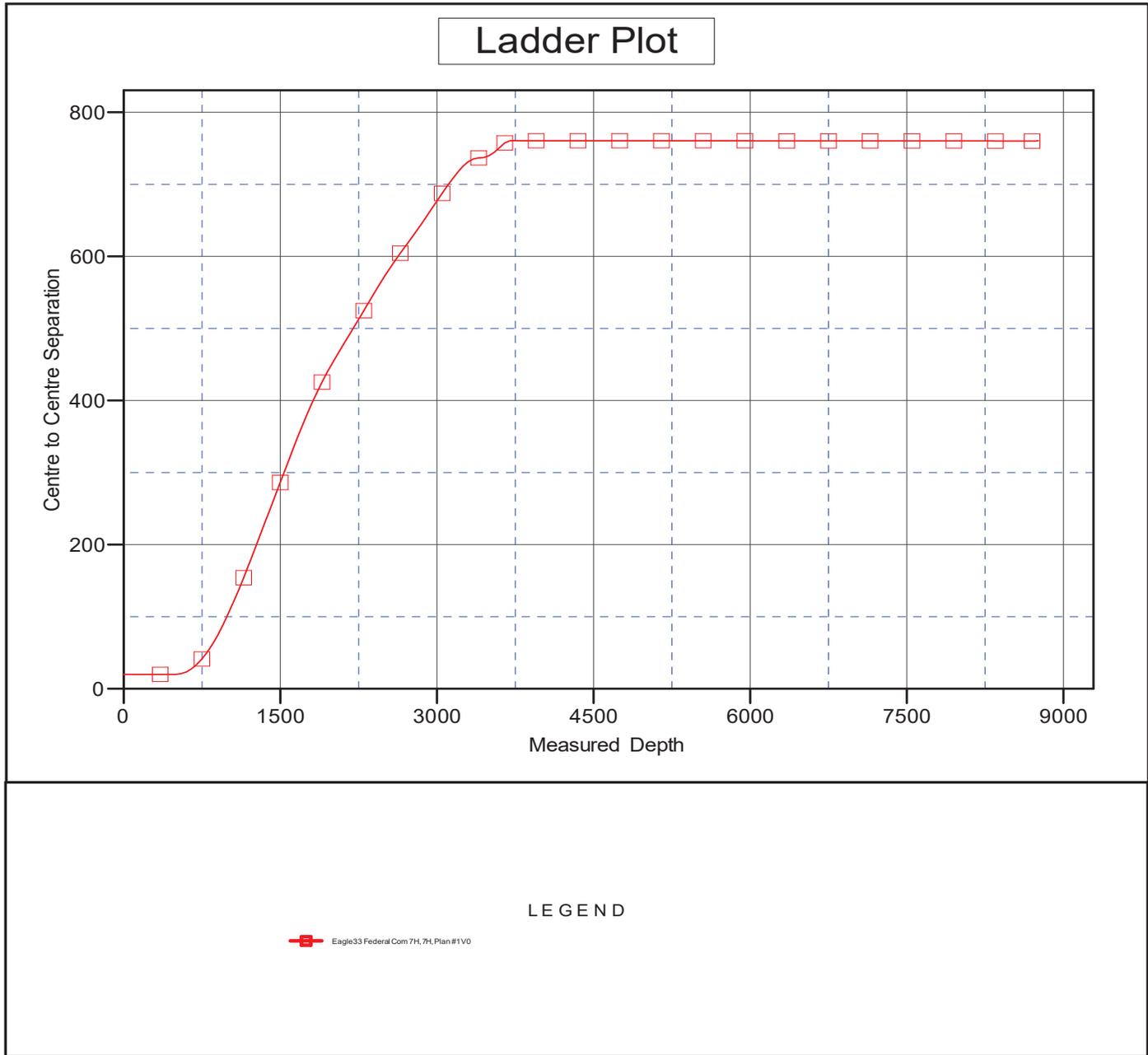
Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
8,650.00	3,144.10	8,984.03	3,520.91	139.99	140.05	119.72	181.80	-5,724.85	760.17	512.89	247.28	3.074	
8,670.65	3,143.87	9,004.69	3,520.67	140.50	140.56	119.72	181.83	-5,745.51	760.17	511.99	248.18	3.063	
8,700.00	3,143.54	9,034.03	3,520.34	141.22	141.28	119.72	181.87	-5,774.85	760.17	510.72	249.44	3.047	
8,731.55	3,143.18	9,065.58	3,519.98	141.99	142.05	119.72	181.91	-5,806.40	760.16	509.35	250.81	3.031	
8,750.00	3,142.97	9,066.53	3,519.97	142.44	142.07	119.72	181.91	-5,807.34	760.36	509.24	251.12	3.028 SF	
8,760.72	3,142.85	9,066.53	3,519.97	142.71	142.07	119.72	181.91	-5,807.34	760.68	509.47	251.22	3.028	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)      Coordinates are relative to: Eagle 33 Federal Com 8H  
 Offset Depths are relative to Offset Datum      Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Central Meridian is -104.3333333      Grid Convergence at Surface is: 0.03°



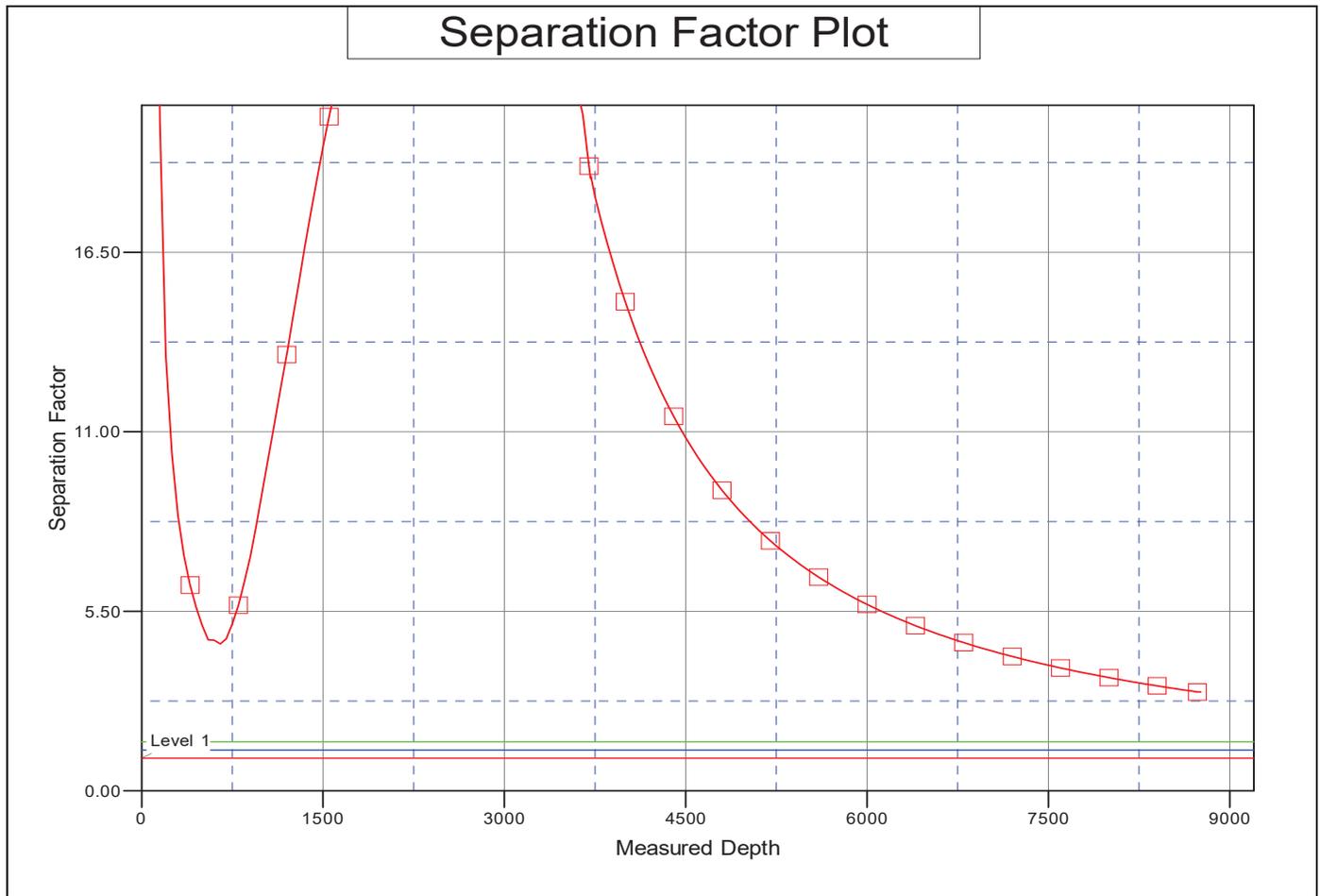
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -104.333333

Coordinates are relative to: Eagle 33 Federal Com 8H  
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Grid Convergence at Surface is: 0.03°



**LEGEND**

 Eagle33 Federal Com 7H,7H,Plan #1V0

# RILEY PERMIAN OPERATING CO., LLC

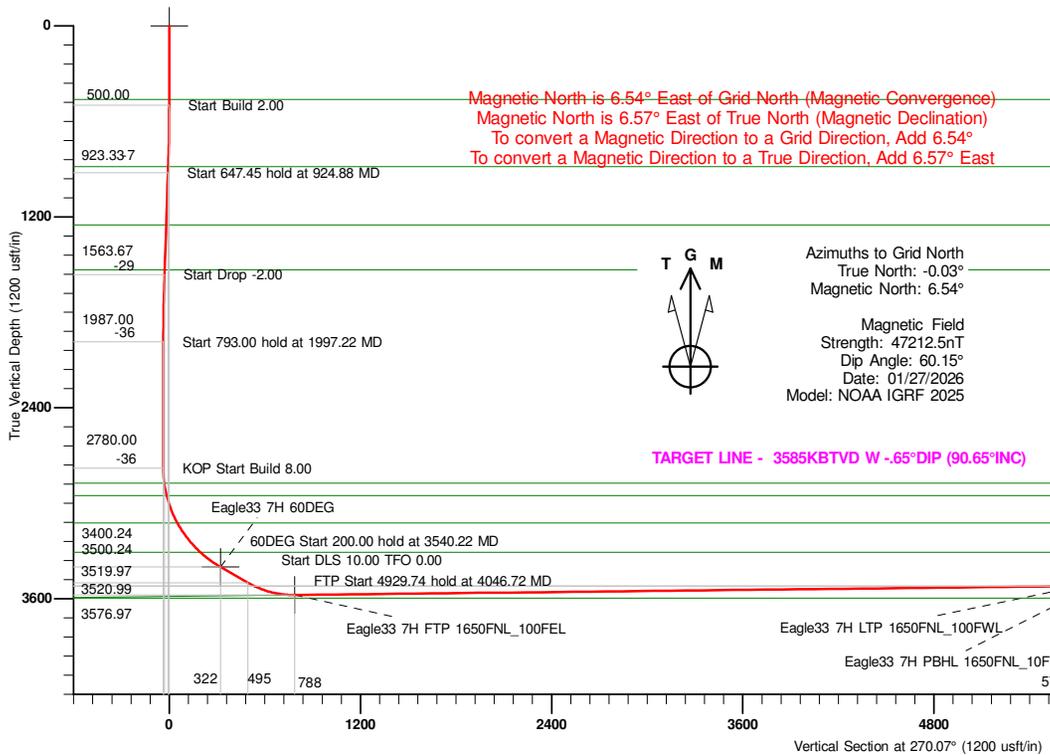
PRELIMINARY PLAN

Project: Eddy County, NM (NAD83) NMEZ Grid  
 Site: Eagle 33 Federal Com  
 Wellbore: Eagle 33 Federal Com 7H  
 Design: Plan #1

3526+23 @ 3549.00usft (gl+kb Akita)  
 GL+KB

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
3	924.88	8.50	13.29	923.33	30.61	7.23	2.00	13.29	-7.19	Start 647.45 hold at 924.88 MD
4	1572.34	8.50	13.29	1563.67	123.72	29.21	0.00	0.00	-29.06	Start Drop -2.00
5	1997.22	0.00	0.00	1987.00	154.33	36.44	2.00	180.00	-36.25	Start 793.00 hold at 1997.22 MD
6	2790.22	0.00	0.00	2780.00	154.33	36.44	0.00	0.00	-36.25	KOP Start Build 8.00
7	3540.22	60.00	270.07	3400.24	154.80	-321.66	8.00	270.07	321.85	60DEG Start 200.00 hold at 3540.22 MD
8	3740.22	60.00	270.07	3500.24	155.03	-494.86	0.00	0.00	495.05	Start DLS 10.00 TFO 0.00
9	4046.72	90.65	270.07	3576.97	155.41	-787.85	10.00	0.00	788.04	FTP Start 4929.74 hold at 4046.72 MD
10	8976.47	90.65	270.07	3520.99	161.82	-5717.27	0.00	0.00	5717.46	LTP Start 90.06 hold at 8976.47 MD
11	9066.53	90.65	270.07	3519.97	161.94	-5807.32	0.00	0.00	5807.51	PBHL TD at 9066.53

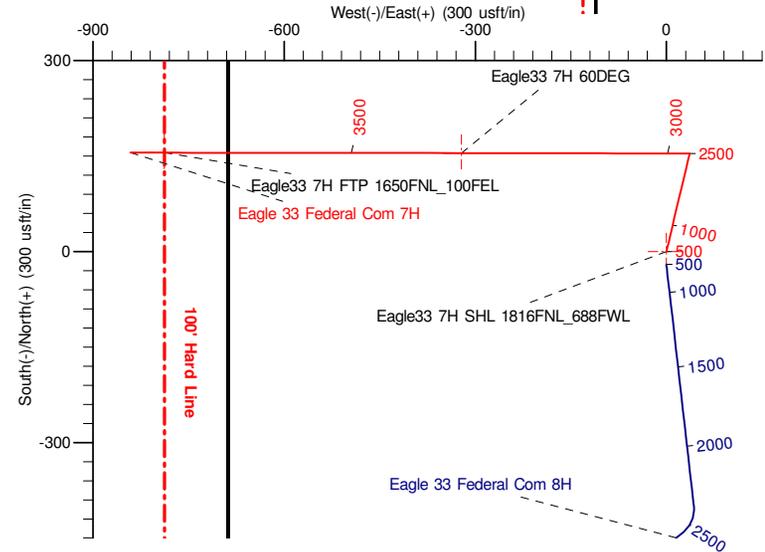
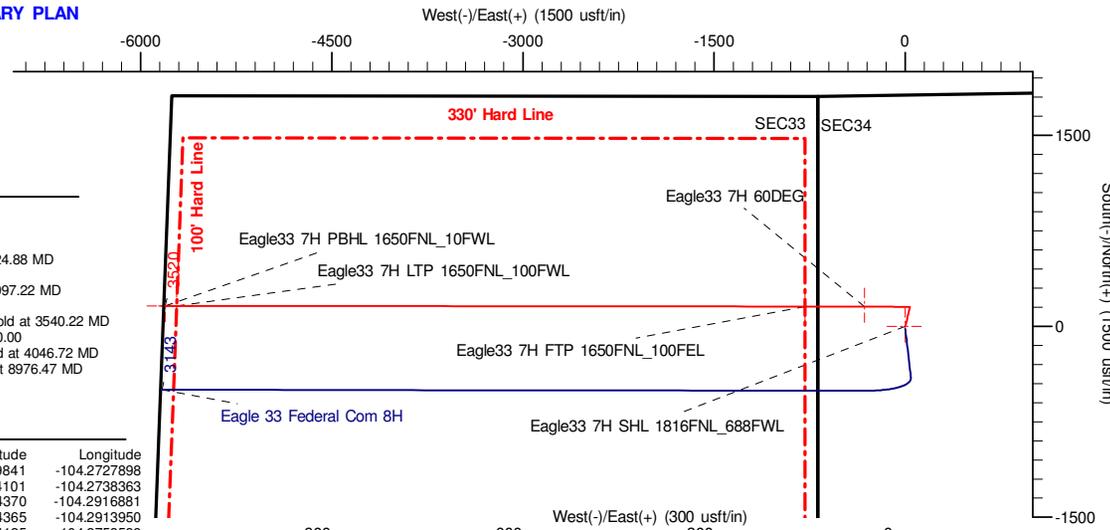
DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Eagle33 7H SHL 1816FNL_688FWL	0.00	0.00	0.00	652225.29	559941.94	32.7929841	-104.2727898
Eagle33 7H 60DEG	3400.24	154.80	-321.66	652380.09	559620.28	32.7934101	-104.2738363
Eagle33 7H PBHL 1650FNL_10FWL	3519.97	161.94	-5807.32	652387.23	554134.62	32.7934370	-104.2916881
Eagle33 7H LTP 1650FNL_100FWL	3520.99	161.82	-5717.27	652387.11	554224.67	32.7934365	-104.2913950
Eagle33 7H FTP 1650FNL_100FEL	3576.97	155.41	-787.95	652380.70	559153.99	32.7934125	-104.2753538



Magnetic North is 6.54° East of Grid North (Magnetic Convergence)  
 Magnetic North is 6.57° East of True North (Magnetic Declination)  
 To convert a Magnetic Direction to a Grid Direction, Add 6.54°  
 To convert a Magnetic Direction to a True Direction, Add 6.57° East



Azimuths to Grid North  
 True North: -0.03°  
 Magnetic North: 6.54°  
 Magnetic Field  
 Strength: 47212.5nT  
 Dip Angle: 60.15°  
 Date: 01/27/2026  
 Model: NOAA IGRF 2025



Plan: Plan #1 (Eagle 33 Federal Com 7H/7H)  
 Created By: Mekka Williams

mekka@esominawelldesign.com  
 19:29, January 27 2026

**QUANTUM ENERGY TECHNOLOGIES**  
 1521 E Richey Rd  
 Houston, TX 77073



Released to Imagine: 2/18/2026 11:05:30 AM

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South(-)/North(+) (1500 usft/in)

West(-)/East(+) (1500 usft/in)

West(-)/East(+) (300 usft/in)

South(-)/North(+) (300 usft/in)

Vertical Section at 270.07° (1200 usft/in)

# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid**

**Eagle 33 Federal Com**

**Eagle 33 Federal Com 7H**

**7H**

**Plan: Plan #1**

## **Standard Planning Report**

**27 January, 2026**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

<b>Project</b>	Eddy County, NM (NAD83) NMEZ Grid		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Eagle 33 Federal Com				
<b>Site Position:</b>		<b>Northing:</b>	652,205.32 usft	<b>Latitude:</b>	32.7929293
<b>From:</b>	Map	<b>Easting:</b>	559,941.96 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b>	0.03 °

<b>Well</b>	Eagle 33 Federal Com 7H					
<b>Well Position</b>	<b>+N/-S</b>	19.97 usft	<b>Northing:</b>	652,225.29 usft	<b>Latitude:</b>	32.7929841
	<b>+E/-W</b>	-0.02 usft	<b>Easting:</b>	559,941.94 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,526.00 usft

<b>Wellbore</b>	7H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	01/27/26	6.57	60.15	47,212.50000000

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.07

<b>Plan Survey Tool Program</b>	<b>Date</b>	01/27/26		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	9,066.53 Plan #1 (7H)	MWD	
			OWSG MWD - Standard	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
924.88	8.50	13.29	923.33	30.61	7.23	2.00	2.00	0.00	13.29	
1,572.34	8.50	13.29	1,563.67	123.72	29.21	0.00	0.00	0.00	0.00	
1,997.22	0.00	0.00	1,987.00	154.33	36.44	2.00	-2.00	0.00	180.00	
2,790.22	0.00	0.00	2,780.00	154.33	36.44	0.00	0.00	0.00	0.00	
3,540.22	60.00	270.08	3,400.24	154.80	-321.66	8.00	8.00	0.00	270.08	
3,740.22	60.00	270.08	3,500.24	155.03	-494.86	0.00	0.00	0.00	0.00	
4,046.72	90.65	270.07	3,576.97	155.41	-787.85	10.00	10.00	0.00	0.00	
8,976.47	90.65	270.07	3,520.99	161.82	-5,717.27	0.00	0.00	0.00	0.00	Eagle33 7H LTP 165C
9,066.53	90.65	270.07	3,519.97	161.94	-5,807.32	0.00	0.00	0.00	0.00	Eagle33 7H PBHL 165C

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
463.00	0.00	0.00	463.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Seven Rivers</b>										
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Start Build 2.00</b>										
600.00	2.00	13.29	599.98	1.70	0.40	-0.40	2.00	2.00	0.00	
700.00	4.00	13.29	699.84	6.79	1.60	-1.60	2.00	2.00	0.00	
800.00	6.00	13.29	799.45	15.27	3.61	-3.59	2.00	2.00	0.00	
887.18	7.74	13.29	886.00	25.42	6.00	-5.97	2.00	2.00	0.00	
<b>Queen</b>										
900.00	8.00	13.29	898.70	27.13	6.41	-6.37	2.00	2.00	0.00	
924.88	8.50	13.29	923.33	30.61	7.23	-7.19	2.00	2.00	0.00	
<b>Start 647.45 hold at 924.88 MD</b>										
1,000.00	8.50	13.29	997.62	41.41	9.78	-9.73	0.00	0.00	0.00	
1,100.00	8.50	13.29	1,096.52	55.79	13.17	-13.11	0.00	0.00	0.00	
1,200.00	8.50	13.29	1,195.42	70.17	16.57	-16.48	0.00	0.00	0.00	
1,256.19	8.50	13.29	1,251.00	78.26	18.48	-18.38	0.00	0.00	0.00	
<b>Grayburg</b>										
1,300.00	8.50	13.29	1,294.33	84.56	19.97	-19.86	0.00	0.00	0.00	
1,400.00	8.50	13.29	1,393.23	98.94	23.36	-23.24	0.00	0.00	0.00	
1,500.00	8.50	13.29	1,492.13	113.32	26.76	-26.62	0.00	0.00	0.00	
1,542.33	8.50	13.29	1,534.00	119.41	28.19	-28.05	0.00	0.00	0.00	
<b>San Andres</b>										
1,572.34	8.50	13.29	1,563.67	123.72	29.21	-29.06	0.00	0.00	0.00	
<b>Start Drop -2.00</b>										
1,600.00	7.94	13.29	1,591.05	127.57	30.12	-29.97	2.00	-2.00	0.00	
1,700.00	5.94	13.29	1,690.31	139.34	32.90	-32.73	2.00	-2.00	0.00	
1,800.00	3.94	13.29	1,789.94	147.73	34.88	-34.70	2.00	-2.00	0.00	
1,900.00	1.94	13.29	1,889.80	152.72	36.06	-35.87	2.00	-2.00	0.00	
1,997.22	0.00	0.00	1,987.00	154.33	36.44	-36.25	2.00	-2.00	0.00	
<b>Start 793.00 hold at 1997.22 MD</b>										
2,000.00	0.00	0.00	1,989.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,089.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,189.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,289.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,389.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,489.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,589.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,689.78	154.33	36.44	-36.25	0.00	0.00	0.00	
2,790.22	0.00	0.00	2,780.00	154.33	36.44	-36.25	0.00	0.00	0.00	
<b>KOP Start Build 8.00</b>										
2,800.00	0.78	270.08	2,789.78	154.33	36.37	-36.18	8.00	8.00	0.00	
2,850.00	4.78	270.08	2,839.71	154.33	33.95	-33.76	8.00	8.00	0.00	
2,884.49	7.54	270.08	2,874.00	154.34	30.24	-30.06	8.00	8.00	0.00	
<b>Glorieta</b>										
2,900.00	8.78	270.08	2,889.35	154.34	28.04	-27.85	8.00	8.00	0.00	
2,950.00	12.78	270.08	2,938.46	154.35	18.69	-18.50	8.00	8.00	0.00	
2,964.95	13.98	270.08	2,953.00	154.36	15.23	-15.04	8.00	8.00	0.00	
<b>Paddock</b>										

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,000.00	16.78	270.08	2,986.79	154.37	5.94	-5.75	8.00	8.00	0.00	
3,050.00	20.78	270.08	3,034.12	154.39	-10.16	10.35	8.00	8.00	0.00	
3,100.00	24.78	270.08	3,080.21	154.42	-29.52	29.71	8.00	8.00	0.00	
3,149.04	28.71	270.08	3,124.00	154.45	-51.58	51.77	8.00	8.00	0.00	
<b>Lower Paddock</b>										
3,150.00	28.78	270.08	3,124.84	154.45	-52.04	52.23	8.00	8.00	0.00	
3,200.00	32.78	270.08	3,167.79	154.48	-77.63	77.82	8.00	8.00	0.00	
3,250.00	36.78	270.08	3,208.84	154.52	-106.14	106.33	8.00	8.00	0.00	
3,300.00	40.78	270.08	3,247.81	154.56	-137.46	137.64	8.00	8.00	0.00	
3,350.00	44.78	270.08	3,284.50	154.60	-171.41	171.60	8.00	8.00	0.00	
3,385.40	47.61	270.08	3,309.00	154.64	-196.96	197.14	8.00	8.00	0.00	
<b>Upper Blinebry (L5)</b>										
3,400.00	48.78	270.08	3,318.73	154.65	-207.84	208.03	8.00	8.00	0.00	
3,450.00	52.78	270.08	3,350.34	154.70	-246.57	246.76	8.00	8.00	0.00	
3,500.00	56.78	270.08	3,379.17	154.75	-287.41	287.60	8.00	8.00	0.00	
3,540.22	60.00	270.08	3,400.24	154.80	-321.66	321.85	8.00	8.00	0.00	
<b>60DEG Start 200.00 hold at 3540.22 MD</b>										
3,600.00	60.00	270.08	3,430.13	154.87	-373.43	373.62	0.00	0.00	0.00	
3,700.00	60.00	270.08	3,480.13	154.98	-460.03	460.22	0.00	0.00	0.00	
3,740.22	60.00	270.08	3,500.24	155.03	-494.86	495.05	0.00	0.00	0.00	
<b>Start DLS 10.00 TFO 0.00</b>										
3,750.00	60.98	270.07	3,505.06	155.04	-503.38	503.56	10.00	10.00	0.00	
3,800.00	65.98	270.07	3,527.38	155.10	-548.10	548.29	10.00	10.00	0.00	
3,850.00	70.98	270.07	3,545.72	155.16	-594.60	594.79	10.00	10.00	0.00	
3,900.00	75.98	270.07	3,559.93	155.22	-642.52	642.71	10.00	10.00	0.00	
3,950.00	80.98	270.07	3,569.92	155.28	-691.50	691.68	10.00	10.00	0.00	
4,000.00	85.98	270.07	3,575.59	155.35	-741.16	741.35	10.00	10.00	0.00	
4,046.72	90.65	270.07	3,576.97	155.41	-787.85	788.04	10.00	10.00	0.00	
<b>FTP Start 4929.74 hold at 4046.72 MD</b>										
4,100.00	90.65	270.07	3,576.36	155.48	-841.12	841.31	0.00	0.00	0.00	
4,200.00	90.65	270.07	3,575.23	155.61	-941.11	941.30	0.00	0.00	0.00	
4,300.00	90.65	270.07	3,574.09	155.74	-1,041.11	1,041.30	0.00	0.00	0.00	
4,400.00	90.65	270.07	3,572.96	155.87	-1,141.10	1,141.29	0.00	0.00	0.00	
4,500.00	90.65	270.07	3,571.82	156.00	-1,241.09	1,241.28	0.00	0.00	0.00	
4,600.00	90.65	270.07	3,570.69	156.13	-1,341.09	1,341.28	0.00	0.00	0.00	
4,700.00	90.65	270.07	3,569.55	156.26	-1,441.08	1,441.27	0.00	0.00	0.00	
4,800.00	90.65	270.07	3,568.42	156.39	-1,541.07	1,541.26	0.00	0.00	0.00	
4,900.00	90.65	270.07	3,567.28	156.52	-1,641.07	1,641.26	0.00	0.00	0.00	
5,000.00	90.65	270.07	3,566.14	156.65	-1,741.06	1,741.25	0.00	0.00	0.00	
5,100.00	90.65	270.07	3,565.01	156.78	-1,841.05	1,841.24	0.00	0.00	0.00	
5,200.00	90.65	270.07	3,563.87	156.91	-1,941.05	1,941.24	0.00	0.00	0.00	
5,300.00	90.65	270.07	3,562.74	157.04	-2,041.04	2,041.23	0.00	0.00	0.00	
5,400.00	90.65	270.07	3,561.60	157.17	-2,141.03	2,141.22	0.00	0.00	0.00	
5,500.00	90.65	270.07	3,560.47	157.30	-2,241.03	2,241.22	0.00	0.00	0.00	
5,600.00	90.65	270.07	3,559.33	157.43	-2,341.02	2,341.21	0.00	0.00	0.00	
5,700.00	90.65	270.07	3,558.20	157.56	-2,441.01	2,441.21	0.00	0.00	0.00	
5,800.00	90.65	270.07	3,557.06	157.69	-2,541.01	2,541.20	0.00	0.00	0.00	
5,900.00	90.65	270.07	3,555.93	157.82	-2,641.00	2,641.19	0.00	0.00	0.00	
6,000.00	90.65	270.07	3,554.79	157.95	-2,741.00	2,741.19	0.00	0.00	0.00	
6,100.00	90.65	270.07	3,553.65	158.08	-2,840.99	2,841.18	0.00	0.00	0.00	
6,200.00	90.65	270.07	3,552.52	158.21	-2,940.98	2,941.17	0.00	0.00	0.00	
6,300.00	90.65	270.07	3,551.38	158.34	-3,040.98	3,041.17	0.00	0.00	0.00	
6,400.00	90.65	270.07	3,550.25	158.47	-3,140.97	3,141.16	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,500.00	90.65	270.07	3,549.11	158.60	-3,240.96	3,241.15	0.00	0.00	0.00	
6,600.00	90.65	270.07	3,547.98	158.73	-3,340.96	3,341.15	0.00	0.00	0.00	
6,700.00	90.65	270.07	3,546.84	158.86	-3,440.95	3,441.14	0.00	0.00	0.00	
6,800.00	90.65	270.07	3,545.71	158.99	-3,540.94	3,541.13	0.00	0.00	0.00	
6,900.00	90.65	270.07	3,544.57	159.12	-3,640.94	3,641.13	0.00	0.00	0.00	
7,000.00	90.65	270.07	3,543.43	159.25	-3,740.93	3,741.12	0.00	0.00	0.00	
7,100.00	90.65	270.07	3,542.30	159.38	-3,840.92	3,841.12	0.00	0.00	0.00	
7,200.00	90.65	270.07	3,541.16	159.51	-3,940.92	3,941.11	0.00	0.00	0.00	
7,300.00	90.65	270.07	3,540.03	159.64	-4,040.91	4,041.10	0.00	0.00	0.00	
7,400.00	90.65	270.07	3,538.89	159.77	-4,140.90	4,141.10	0.00	0.00	0.00	
7,500.00	90.65	270.07	3,537.76	159.90	-4,240.90	4,241.09	0.00	0.00	0.00	
7,600.00	90.65	270.07	3,536.62	160.03	-4,340.89	4,341.08	0.00	0.00	0.00	
7,700.00	90.65	270.07	3,535.49	160.16	-4,440.88	4,441.08	0.00	0.00	0.00	
7,800.00	90.65	270.07	3,534.35	160.29	-4,540.88	4,541.07	0.00	0.00	0.00	
7,900.00	90.65	270.07	3,533.22	160.42	-4,640.87	4,641.06	0.00	0.00	0.00	
8,000.00	90.65	270.07	3,532.08	160.55	-4,740.86	4,741.06	0.00	0.00	0.00	
8,100.00	90.65	270.07	3,530.94	160.68	-4,840.86	4,841.05	0.00	0.00	0.00	
8,200.00	90.65	270.07	3,529.81	160.81	-4,940.85	4,941.04	0.00	0.00	0.00	
8,300.00	90.65	270.07	3,528.67	160.94	-5,040.85	5,041.04	0.00	0.00	0.00	
8,400.00	90.65	270.07	3,527.54	161.07	-5,140.84	5,141.03	0.00	0.00	0.00	
8,500.00	90.65	270.07	3,526.40	161.20	-5,240.83	5,241.03	0.00	0.00	0.00	
8,600.00	90.65	270.07	3,525.27	161.33	-5,340.83	5,341.02	0.00	0.00	0.00	
8,700.00	90.65	270.07	3,524.13	161.46	-5,440.82	5,441.01	0.00	0.00	0.00	
8,800.00	90.65	270.07	3,523.00	161.59	-5,540.81	5,541.01	0.00	0.00	0.00	
8,900.00	90.65	270.07	3,521.86	161.72	-5,640.81	5,641.00	0.00	0.00	0.00	
8,976.47	90.65	270.07	3,520.99	161.82	-5,717.27	5,717.46	0.00	0.00	0.00	
<b>LTP Start 90.06 hold at 8976.47 MD</b>										
9,000.00	90.65	270.07	3,520.73	161.85	-5,740.80	5,740.99	0.00	0.00	0.00	
9,066.53	90.65	270.07	3,519.97	161.94	-5,807.32	5,807.51	0.00	0.00	0.00	
<b>PBHL TD at 9066.53</b>										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Eagle33 7H SHL 1816FI - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	652,225.29	559,941.94	32.7929841	-104.2727898	
Eagle33 7H 60DEG - plan hits target center - Point	0.00	0.00	3,400.24	154.80	-321.66	652,380.09	559,620.28	32.7934101	-104.2738363	
Eagle33 7H PBHL 1650I - plan hits target center - Point	0.00	0.00	3,519.97	161.94	-5,807.32	652,387.23	554,134.62	32.7934370	-104.2916881	
Eagle33 7H LTP 1650FN - plan hits target center - Point	0.00	0.00	3,520.99	161.82	-5,717.27	652,387.12	554,224.68	32.7934366	-104.2913950	
Eagle33 7H FTP 1650FI - plan hits target center - Point	0.00	0.00	3,576.97	155.41	-787.95	652,380.70	559,153.99	32.7934125	-104.2753537	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	7H		
<b>Design:</b>	Plan #1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
463.00	463.00	Seven Rivers		0.00	
887.18	886.00	Queen		0.00	
1,256.19	1,251.00	Grayburg		0.00	
1,542.33	1,534.00	San Andres		0.00	
2,884.49	2,874.00	Glorieta		0.00	
2,964.95	2,953.00	Paddock		0.00	
3,149.04	3,124.00	Lower Paddock		0.00	
3,385.40	3,309.00	Upper Blinebry (L5)		0.00	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.00	500.00	0.00	0.00	Start Build 2.00	
924.88	923.33	30.61	7.23	Start 647.45 hold at 924.88 MD	
1,572.34	1,563.67	123.72	29.21	Start Drop -2.00	
1,997.22	1,987.00	154.33	36.44	Start 793.00 hold at 1997.22 MD	
2,790.22	2,780.00	154.33	36.44	KOP Start Build 8.00	
3,540.22	3,400.24	154.80	-321.66	60DEG Start 200.00 hold at 3540.22 MD	
3,740.22	3,500.24	155.03	-494.86	Start DLS 10.00 TFO 0.00	
4,046.72	3,576.97	155.41	-787.85	FTP Start 4929.74 hold at 4046.72 MD	
8,976.47	3,520.99	161.82	-5,717.27	LTP Start 90.06 hold at 8976.47 MD	
9,066.53	3,519.97	161.94	-5,807.32	PBHL TD at 9066.53	

# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid**

**Eagle 33 Federal Com**

**Eagle 33 Federal Com 7H**

**7H**

**Plan #1**

## **Anticollision Report**

**27 January, 2026**

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 50.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Unknown AC limit!	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	Date	01/27/26		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	9,066.53	Plan #1 (7H)	MWD	OWSG MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (usft)</b>	<b>Offset Measured Depth (usft)</b>	<b>Distance Between Centres (usft)</b>	<b>Distance Between Ellipses (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
Offset Well - Wellbore - Design						
Eagle 33 Federal Com						
Eagle 33 Federal Com 8H - 8H - Plan #1	500.00	500.00	19.97	16.04	5.077	CC, ES
Eagle 33 Federal Com 8H - 8H - Plan #1	9,066.53	8,732.56	760.16	509.31	3.030	SF

<b>Offset Design</b>													<b>Offset Site Error:</b>	0.00 usft	
Eagle 33 Federal Com - Eagle 33 Federal Com 8H - 8H - Plan #1													<b>Offset Well Error:</b>	0.00 usft	
Survey Program: 0-MWD															
Reference				Offset				Semi Major Axis				Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	179.94	-19.97	0.02	19.97						
50.00	50.00	50.00	50.00	0.10	0.14	179.94	-19.97	0.02	19.97	19.78	0.19	104.212			
100.00	100.00	100.00	100.00	0.29	0.29	179.94	-19.97	0.02	19.97	19.52	0.45	44.324			
150.00	150.00	150.00	150.00	0.61	0.61	179.94	-19.97	0.02	19.97	19.00	0.97	20.501			
200.00	200.00	200.00	200.00	0.94	0.94	179.94	-19.97	0.02	19.97	18.47	1.50	13.334			
250.00	250.00	250.00	250.00	1.19	1.19	179.94	-19.97	0.02	19.97	18.04	1.93	10.323			
300.00	300.00	300.00	300.00	1.44	1.44	179.94	-19.97	0.02	19.97	17.60	2.37	8.421			
350.00	350.00	350.00	350.00	1.66	1.66	179.94	-19.97	0.02	19.97	17.20	2.77	7.211			
400.00	400.00	400.00	400.00	1.88	1.88	179.94	-19.97	0.02	19.97	16.80	3.17	6.305			
450.00	450.00	450.00	450.00	2.09	2.09	179.94	-19.97	0.02	19.97	16.42	3.55	5.625			
500.00	500.00	500.00	500.00	2.30	2.30	179.94	-19.97	0.02	19.97	16.04	3.93	5.077	CC, ES		
550.00	550.00	549.64	549.64	2.65	2.45	166.80	-20.40	0.07	20.83	16.33	4.50	4.628			
600.00	599.98	599.20	599.18	3.01	2.61	167.15	-21.68	0.21	23.39	18.32	5.07	4.611			
650.00	649.93	648.58	648.51	3.52	3.11	167.60	-23.80	0.45	27.66	21.52	6.14	4.502			
700.00	699.84	697.70	697.54	4.03	3.65	168.02	-26.75	0.79	33.63	26.41	7.22	4.659			
750.00	749.68	746.48	746.17	4.45	4.09	168.39	-30.50	1.21	41.28	33.21	8.07	5.117			
800.00	799.45	794.83	794.31	4.88	4.53	168.68	-35.03	1.73	50.60	41.70	8.90	5.685			
850.00	849.13	842.69	841.87	5.25	4.90	168.90	-40.31	2.32	61.58	51.96	9.62	6.400			
900.00	898.70	889.96	888.76	5.62	5.26	169.06	-46.30	3.00	74.18	63.86	10.32	7.186			
924.88	923.33	913.25	911.82	5.68	5.43	169.13	-49.54	3.37	81.06	70.50	10.56	7.678			
950.00	948.17	936.62	934.94	5.74	5.60	169.20	-52.97	3.76	88.29	77.52	10.77	8.196			
1,000.00	997.62	982.81	980.52	5.85	5.92	169.26	-60.30	4.59	103.27	92.08	11.19	9.226			
1,050.00	1,047.07	1,028.52	1,025.52	5.98	6.22	169.24	-68.28	5.49	119.00	107.40	11.60	10.262			
1,100.00	1,096.52	1,073.74	1,069.92	6.10	6.51	169.18	-76.87	6.46	135.47	123.49	11.98	11.306			
1,150.00	1,145.97	1,118.47	1,113.68	6.24	6.79	169.08	-86.05	7.50	152.67	140.30	12.37	12.344			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,200.00	1,195.42	1,162.69	1,156.79	6.38	7.07	168.97	-95.79	8.61	170.59	157.84	12.75	13.385		
1,250.00	1,244.87	1,206.53	1,199.39	6.52	7.34	168.84	-106.10	9.77	189.21	176.10	13.12	14.426		
1,300.00	1,294.33	1,252.81	1,244.28	6.67	7.51	168.72	-117.29	11.04	208.15	194.74	13.41	15.521		
1,350.00	1,343.78	1,299.08	1,289.16	6.81	7.68	168.61	-128.47	12.31	227.08	213.37	13.71	16.562		
1,400.00	1,393.23	1,345.36	1,334.05	6.96	7.80	168.52	-139.66	13.57	246.02	232.06	13.96	17.626		
1,450.00	1,442.68	1,391.63	1,378.93	7.11	7.92	168.45	-150.84	14.84	264.96	250.75	14.21	18.648		
1,500.00	1,492.13	1,437.90	1,423.81	7.27	8.04	168.38	-162.03	16.11	283.90	269.43	14.46	19.628		
1,550.00	1,541.58	1,484.18	1,468.70	7.41	8.16	168.33	-173.21	17.37	302.83	288.11	14.72	20.572		
1,572.34	1,563.67	1,504.85	1,488.75	7.48	8.22	168.30	-178.21	17.94	311.29	296.46	14.84	20.982		
1,600.00	1,591.05	1,530.50	1,513.63	7.56	8.29	168.32	-184.41	18.64	321.65	306.67	14.98	21.472		
1,650.00	1,640.63	1,577.11	1,558.83	7.77	8.42	168.32	-195.68	19.92	339.75	324.46	15.30	22.208		
1,700.00	1,690.31	1,624.01	1,604.33	7.98	8.56	168.29	-207.02	21.20	357.06	341.44	15.62	22.860		
1,750.00	1,740.09	1,671.20	1,650.11	8.28	8.70	168.24	-218.42	22.49	373.56	357.54	16.02	23.316		
1,800.00	1,789.94	1,718.67	1,696.14	8.59	8.84	168.17	-229.90	23.79	389.25	372.83	16.42	23.700		
1,850.00	1,839.85	1,766.39	1,742.43	8.88	8.99	168.08	-241.43	25.10	404.14	387.31	16.82	24.025		
1,900.00	1,889.80	1,814.36	1,788.96	9.17	9.14	167.97	-253.02	26.41	418.20	400.98	17.22	24.286		
1,950.00	1,939.78	1,862.55	1,835.70	9.43	9.30	167.84	-264.67	27.73	431.46	413.84	17.62	24.492		
1,997.22	1,987.00	1,908.26	1,880.04	9.69	9.45	-179.01	-275.72	28.98	443.22	425.23	17.99	24.636		
2,000.00	1,989.78	1,910.96	1,882.66	9.69	9.45	-179.02	-276.37	29.06	443.89	425.88	18.00	24.655		
2,050.00	2,039.78	1,959.45	1,929.70	9.83	9.62	-179.22	-288.10	30.38	455.96	437.68	18.28	24.946		
2,100.00	2,089.78	2,007.95	1,976.74	9.96	9.78	-179.40	-299.82	31.71	468.03	449.48	18.55	25.226		
2,150.00	2,139.78	2,056.45	2,023.78	10.11	9.95	-179.58	-311.54	33.04	480.11	461.27	18.84	25.481		
2,200.00	2,189.78	2,104.95	2,070.82	10.26	10.13	-179.75	-323.27	34.37	492.19	473.06	19.13	25.728		
2,250.00	2,239.78	2,153.45	2,117.86	10.41	10.30	-179.91	-334.99	35.69	504.28	484.86	19.42	25.962		
2,300.00	2,289.78	2,201.94	2,164.90	10.56	10.49	179.93	-346.71	37.02	516.37	496.65	19.72	26.187		
2,350.00	2,339.78	2,250.44	2,211.94	10.71	10.67	179.79	-358.43	38.35	528.46	508.45	20.02	26.401		
2,400.00	2,389.78	2,298.94	2,258.98	10.86	10.86	179.65	-370.16	39.68	540.56	520.24	20.32	26.607		
2,450.00	2,439.78	2,347.44	2,306.03	11.01	11.06	179.51	-381.88	41.00	552.66	532.04	20.62	26.802		
2,500.00	2,489.78	2,395.94	2,353.07	11.17	11.25	179.38	-393.60	42.33	564.76	543.84	20.92	26.992		
2,550.00	2,539.78	2,444.73	2,402.34	11.32	11.45	179.28	-405.85	43.47	576.83	555.59	21.25	27.151		
2,600.00	2,589.78	2,501.98	2,456.02	11.48	11.70	179.50	-418.71	44.42	588.47	566.85	21.62	27.216		
2,650.00	2,639.78	2,556.87	2,509.18	11.63	11.99	-179.88	-430.86	35.22	599.59	577.56	22.02	27.225		
2,700.00	2,689.78	2,610.78	2,560.91	11.79	12.29	-178.91	-442.10	25.12	610.30	587.88	22.42	27.221		
2,750.00	2,739.78	2,663.13	2,610.43	11.95	12.62	-177.65	-452.30	11.56	620.77	597.97	22.80	27.229		
2,790.22	2,780.00	2,703.81	2,648.24	12.07	12.89	-176.47	-459.71	-1.47	629.16	606.07	23.09	27.253		
2,800.00	2,789.78	2,713.50	2,657.15	12.10	12.96	-86.07	-461.40	-4.90	631.21	608.06	23.15	27.266		
2,850.00	2,839.71	2,762.49	2,701.49	12.26	13.29	-83.74	-469.54	-24.04	641.63	618.16	23.46	27.344		
2,900.00	2,889.35	2,810.56	2,743.75	12.46	13.61	-81.50	-476.80	-45.74	651.90	628.14	23.76	27.433		
2,950.00	2,938.46	2,857.77	2,783.87	12.68	13.92	-79.37	-483.20	-69.77	661.96	637.92	24.05	27.527		
3,000.00	2,986.79	2,904.18	2,821.80	12.91	14.22	-77.35	-488.76	-95.92	671.72	647.40	24.33	27.610		
3,050.00	3,034.12	2,950.00	2,857.61	13.15	14.51	-75.44	-493.51	-124.09	681.11	656.50	24.62	27.667		
3,100.00	3,080.21	2,994.83	2,890.95	13.39	14.79	-73.64	-497.44	-153.79	690.06	665.14	24.92	27.688		
3,150.00	3,124.84	3,039.16	2,922.13	13.63	15.07	-71.95	-500.60	-185.13	698.50	673.24	25.25	27.660		
3,200.00	3,167.79	3,082.87	2,951.01	13.88	15.35	-70.37	-503.01	-217.85	706.36	680.74	25.62	27.574		
3,250.00	3,208.84	3,126.01	2,977.60	14.12	15.63	-68.90	-504.68	-251.77	713.60	687.57	26.02	27.421		
3,300.00	3,247.81	3,168.61	3,001.90	14.36	15.94	-67.54	-505.64	-286.73	720.15	693.67	26.48	27.196		
3,350.00	3,284.50	3,210.86	3,023.99	14.60	16.25	-66.28	-505.91	-322.74	725.98	698.98	26.99	26.895		
3,400.00	3,318.73	3,259.52	3,048.32	14.85	16.62	-65.13	-505.85	-364.88	730.78	703.08	27.70	26.377		
3,450.00	3,350.34	3,308.87	3,072.99	15.11	17.05	-64.32	-505.79	-407.62	734.24	705.74	28.50	25.764		
3,500.00	3,379.17	3,358.65	3,097.89	15.42	17.56	-63.86	-505.73	-450.73	736.23	706.80	29.43	25.016		
3,540.22	3,400.24	3,398.85	3,117.98	15.70	18.00	-63.74	-505.68	-485.54	736.72	706.49	30.23	24.371		
3,550.00	3,405.13	3,408.63	3,122.88	15.77	18.11	-63.74	-505.67	-494.01	736.72	706.29	30.43	24.208		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,551.00	3,405.63	3,409.58	3,123.35	15.78	18.12	-63.74	-505.67	-494.83	736.72	706.27	30.45	24.192		
3,600.00	3,430.13	3,440.81	3,138.22	16.20	18.50	-63.68	-505.63	-522.30	737.31	706.10	31.21	23.623		
3,650.00	3,455.13	3,472.46	3,151.74	16.71	18.92	-63.50	-505.59	-550.91	739.14	707.08	32.05	23.059		
3,700.00	3,480.13	3,500.00	3,162.21	17.27	19.30	-63.25	-505.55	-576.38	742.24	709.43	32.81	22.622		
3,740.22	3,500.24	3,528.48	3,171.73	17.76	19.73	-62.89	-505.52	-603.22	745.64	712.06	33.58	22.207		
3,750.00	3,505.06	3,534.45	3,173.56	17.88	19.82	-62.72	-505.51	-608.90	746.56	712.82	33.74	22.124		
3,800.00	3,527.38	3,564.89	3,181.94	18.57	20.29	-61.96	-505.47	-638.16	750.86	716.18	34.67	21.655		
3,850.00	3,545.72	3,600.00	3,189.67	19.31	20.87	-61.30	-505.42	-672.40	754.45	718.64	35.81	21.071		
3,900.00	3,559.93	3,625.50	3,193.95	20.12	21.30	-60.87	-505.39	-697.54	757.21	720.37	36.84	20.552		
3,950.00	3,569.92	3,650.00	3,197.02	20.98	21.72	-60.56	-505.35	-721.84	759.22	721.28	37.94	20.013		
4,000.00	3,575.59	3,685.89	3,199.62	21.88	22.37	-60.35	-505.30	-757.63	760.32	720.99	39.33	19.333		
4,046.72	3,576.97	3,716.08	3,200.07	22.74	22.91	-60.30	-505.26	-787.81	760.61	720.01	40.60	18.734		
4,050.00	3,576.93	3,716.08	3,200.07	22.80	22.91	-60.30	-505.26	-787.81	760.60	719.95	40.65	18.710		
4,100.00	3,576.36	3,766.03	3,199.51	23.75	23.86	-60.30	-505.19	-837.77	760.60	718.24	42.36	17.958		
4,150.00	3,575.80	3,816.03	3,198.94	24.74	24.82	-60.30	-505.12	-887.76	760.59	716.50	44.09	17.249		
4,200.00	3,575.23	3,866.03	3,198.37	25.73	25.81	-60.30	-505.05	-937.76	760.59	714.73	45.86	16.586		
4,250.00	3,574.66	3,916.03	3,197.81	26.77	26.82	-60.30	-504.98	-987.76	760.59	712.92	47.67	15.957		
4,300.00	3,574.09	3,966.03	3,197.24	27.80	27.86	-60.30	-504.91	-1,037.75	760.58	711.09	49.49	15.367		
4,350.00	3,573.52	4,016.03	3,196.67	28.86	28.90	-60.30	-504.84	-1,087.75	760.58	709.22	51.36	14.809		
4,400.00	3,572.96	4,066.03	3,196.10	29.93	29.97	-60.30	-504.77	-1,137.75	760.57	707.33	53.24	14.286		
4,450.00	3,572.39	4,116.03	3,195.54	31.01	31.04	-60.30	-504.70	-1,187.74	760.57	705.42	55.15	13.791		
4,500.00	3,571.82	4,166.03	3,194.97	32.10	32.13	-60.30	-504.63	-1,237.74	760.56	703.49	57.07	13.327		
4,550.00	3,571.25	4,216.03	3,194.40	33.21	33.23	-60.30	-504.56	-1,287.74	760.56	701.54	59.02	12.887		
4,600.00	3,570.69	4,266.03	3,193.84	34.32	34.34	-60.30	-504.49	-1,337.73	760.56	699.58	60.97	12.474		
4,650.00	3,570.12	4,316.03	3,193.27	35.44	35.45	-60.30	-504.42	-1,387.73	760.55	697.60	62.95	12.082		
4,700.00	3,569.55	4,366.03	3,192.70	36.57	36.58	-60.30	-504.35	-1,437.73	760.55	695.62	64.93	11.713		
4,750.00	3,568.98	4,416.03	3,192.13	37.71	37.71	-60.30	-504.28	-1,487.72	760.54	693.61	66.93	11.363		
4,800.00	3,568.42	4,466.03	3,191.57	38.84	38.85	-60.30	-504.21	-1,537.72	760.54	691.60	68.94	11.032		
4,850.00	3,567.85	4,516.03	3,191.00	39.99	39.99	-60.29	-504.14	-1,587.72	760.53	689.58	70.96	10.718		
4,900.00	3,567.28	4,566.03	3,190.43	41.14	41.14	-60.29	-504.07	-1,637.71	760.53	687.55	72.98	10.421		
4,950.00	3,566.71	4,616.03	3,189.87	42.30	42.29	-60.29	-504.00	-1,687.71	760.52	685.50	75.02	10.138		
5,000.00	3,566.14	4,666.03	3,189.30	43.46	43.45	-60.29	-503.93	-1,737.71	760.52	683.46	77.06	9.869		
5,050.00	3,565.58	4,716.03	3,188.73	44.63	44.61	-60.29	-503.86	-1,787.70	760.52	681.40	79.11	9.613		
5,100.00	3,565.01	4,766.03	3,188.16	45.79	45.78	-60.29	-503.79	-1,837.70	760.51	679.34	81.17	9.369		
5,150.00	3,564.44	4,816.03	3,187.60	46.97	46.95	-60.29	-503.72	-1,887.70	760.51	677.27	83.24	9.137		
5,200.00	3,563.87	4,866.03	3,187.03	48.14	48.12	-60.29	-503.65	-1,937.69	760.50	675.20	85.30	8.915		
5,250.00	3,563.31	4,916.03	3,186.46	49.32	49.30	-60.29	-503.58	-1,987.69	760.50	673.12	87.38	8.704		
5,300.00	3,562.74	4,966.03	3,185.90	50.50	50.48	-60.29	-503.51	-2,037.69	760.49	671.04	89.46	8.501		
5,350.00	3,562.17	5,016.03	3,185.33	51.68	51.66	-60.29	-503.44	-2,087.68	760.49	668.95	91.54	8.308		
5,400.00	3,561.60	5,066.03	3,184.76	52.87	52.84	-60.29	-503.37	-2,137.68	760.49	666.86	93.63	8.122		
5,450.00	3,561.03	5,116.03	3,184.19	54.05	54.03	-60.29	-503.30	-2,187.68	760.48	664.76	95.72	7.945		
5,500.00	3,560.47	5,166.03	3,183.63	55.24	55.22	-60.29	-503.23	-2,237.68	760.48	662.66	97.81	7.775		
5,550.00	3,559.90	5,216.03	3,183.06	56.44	56.41	-60.29	-503.16	-2,287.67	760.47	660.56	99.91	7.611		
5,600.00	3,559.33	5,266.03	3,182.49	57.63	57.60	-60.29	-503.09	-2,337.67	760.47	658.45	102.02	7.454		
5,650.00	3,558.76	5,316.03	3,181.92	58.82	58.79	-60.29	-503.02	-2,387.67	760.46	656.34	104.12	7.304		
5,700.00	3,558.20	5,366.03	3,181.36	60.02	59.99	-60.29	-502.96	-2,437.66	760.46	654.23	106.23	7.159		
5,750.00	3,557.63	5,416.03	3,180.79	61.22	61.19	-60.29	-502.89	-2,487.66	760.45	652.11	108.34	7.019		
5,800.00	3,557.06	5,466.03	3,180.22	62.42	62.38	-60.29	-502.82	-2,537.66	760.45	650.00	110.45	6.885		
5,850.00	3,556.49	5,516.03	3,179.66	63.62	63.58	-60.29	-502.75	-2,587.65	760.45	647.88	112.57	6.755		
5,900.00	3,555.93	5,566.03	3,179.09	64.82	64.78	-60.29	-502.68	-2,637.65	760.44	645.75	114.69	6.631		
5,950.00	3,555.36	5,616.03	3,178.52	66.02	65.99	-60.29	-502.61	-2,687.65	760.44	643.63	116.81	6.510		
6,000.00	3,554.79	5,666.03	3,177.95	67.23	67.19	-60.29	-502.54	-2,737.64	760.43	641.50	118.93	6.394		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 8H - 8H - Plan #1													Offset Well Error:	0.00 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,050.00	3,554.22	5,716.03	3,177.39	68.43	68.40	-60.29	-502.47	-2,787.64	760.43	639.37	121.05	6.282		
6,100.00	3,553.65	5,766.03	3,176.82	69.64	69.60	-60.29	-502.40	-2,837.64	760.42	637.24	123.18	6.173		
6,150.00	3,553.09	5,816.03	3,176.25	70.85	70.81	-60.29	-502.33	-2,887.63	760.42	635.11	125.31	6.068		
6,200.00	3,552.52	5,866.03	3,175.69	72.06	72.02	-60.29	-502.26	-2,937.63	760.41	632.98	127.44	5.967		
6,250.00	3,551.95	5,916.03	3,175.12	73.27	73.22	-60.29	-502.19	-2,987.63	760.41	630.84	129.57	5.869		
6,300.00	3,551.38	5,966.03	3,174.55	74.48	74.43	-60.29	-502.12	-3,037.62	760.41	628.71	131.70	5.774		
6,350.00	3,550.82	6,016.03	3,173.98	75.69	75.64	-60.29	-502.05	-3,087.62	760.40	626.57	133.83	5.682		
6,400.00	3,550.25	6,066.03	3,173.42	76.90	76.86	-60.29	-501.98	-3,137.62	760.40	624.43	135.97	5.592		
6,450.00	3,549.68	6,116.03	3,172.85	78.11	78.07	-60.29	-501.91	-3,187.61	760.39	622.29	138.10	5.506		
6,500.00	3,549.11	6,166.03	3,172.28	79.32	79.28	-60.29	-501.84	-3,237.61	760.39	620.15	140.24	5.422		
6,550.00	3,548.54	6,216.03	3,171.71	80.54	80.49	-60.29	-501.77	-3,287.61	760.38	618.00	142.38	5.340		
6,600.00	3,547.98	6,266.03	3,171.15	81.75	81.71	-60.29	-501.70	-3,337.60	760.38	615.86	144.52	5.261		
6,650.00	3,547.41	6,316.03	3,170.58	82.97	82.92	-60.29	-501.63	-3,387.60	760.38	613.71	146.66	5.185		
6,700.00	3,546.84	6,366.03	3,170.01	84.18	84.14	-60.29	-501.56	-3,437.60	760.37	611.57	148.80	5.110		
6,750.00	3,546.27	6,416.03	3,169.45	85.40	85.35	-60.29	-501.49	-3,487.59	760.37	609.42	150.95	5.037		
6,800.00	3,545.71	6,466.03	3,168.88	86.61	86.57	-60.29	-501.42	-3,537.59	760.36	607.27	153.09	4.967		
6,850.00	3,545.14	6,516.03	3,168.31	87.83	87.78	-60.29	-501.35	-3,587.59	760.36	605.12	155.24	4.898		
6,900.00	3,544.57	6,566.03	3,167.74	89.05	89.00	-60.29	-501.28	-3,637.58	760.35	602.97	157.38	4.831		
6,950.00	3,544.00	6,616.03	3,167.18	90.27	90.22	-60.29	-501.21	-3,687.58	760.35	600.82	159.53	4.766		
7,000.00	3,543.43	6,666.03	3,166.61	91.48	91.44	-60.29	-501.14	-3,737.58	760.34	598.67	161.67	4.703		
7,050.00	3,542.87	6,716.03	3,166.04	92.70	92.65	-60.29	-501.07	-3,787.57	760.34	596.52	163.82	4.641		
7,100.00	3,542.30	6,766.03	3,165.48	93.92	93.87	-60.29	-501.00	-3,837.57	760.34	594.36	165.97	4.581		
7,150.00	3,541.73	6,816.03	3,164.91	95.14	95.09	-60.29	-500.93	-3,887.57	760.33	592.21	168.12	4.523		
7,200.00	3,541.16	6,866.03	3,164.34	96.36	96.31	-60.29	-500.86	-3,937.56	760.33	590.06	170.27	4.465		
7,250.00	3,540.60	6,916.03	3,163.77	97.58	97.53	-60.29	-500.79	-3,987.56	760.32	587.90	172.42	4.410		
7,300.00	3,540.03	6,966.03	3,163.21	98.80	98.75	-60.29	-500.72	-4,037.56	760.32	585.75	174.57	4.355		
7,350.00	3,539.46	7,016.03	3,162.64	100.02	99.97	-60.29	-500.65	-4,087.55	760.31	583.59	176.72	4.302		
7,400.00	3,538.89	7,066.03	3,162.07	101.24	101.19	-60.29	-500.58	-4,137.55	760.31	581.43	178.88	4.250		
7,450.00	3,538.33	7,116.03	3,161.51	102.47	102.41	-60.29	-500.51	-4,187.55	760.31	579.27	181.03	4.200		
7,500.00	3,537.76	7,166.03	3,160.94	103.69	103.64	-60.29	-500.44	-4,237.54	760.30	577.12	183.18	4.150		
7,550.00	3,537.19	7,216.03	3,160.37	104.91	104.86	-60.29	-500.37	-4,287.54	760.30	574.96	185.34	4.102		
7,600.00	3,536.62	7,266.03	3,159.80	106.13	106.08	-60.29	-500.30	-4,337.54	760.29	572.80	187.49	4.055		
7,650.00	3,536.05	7,316.03	3,159.24	107.36	107.30	-60.29	-500.23	-4,387.53	760.29	570.64	189.65	4.009		
7,700.00	3,535.49	7,366.03	3,158.67	108.58	108.52	-60.29	-500.16	-4,437.53	760.28	568.48	191.80	3.964		
7,750.00	3,534.92	7,416.03	3,158.10	109.80	109.75	-60.29	-500.09	-4,487.53	760.28	566.32	193.96	3.920		
7,800.00	3,534.35	7,466.03	3,157.53	111.02	110.97	-60.29	-500.02	-4,537.52	760.27	564.16	196.12	3.877		
7,850.00	3,533.78	7,516.03	3,156.97	112.25	112.19	-60.29	-499.95	-4,587.52	760.27	562.00	198.27	3.834		
7,900.00	3,533.22	7,566.03	3,156.40	113.47	113.42	-60.29	-499.88	-4,637.52	760.27	559.84	200.43	3.793		
7,950.00	3,532.65	7,616.03	3,155.83	114.70	114.64	-60.29	-499.81	-4,687.52	760.26	557.67	202.59	3.753		
8,000.00	3,532.08	7,666.03	3,155.27	115.92	115.87	-60.29	-499.74	-4,737.51	760.26	555.51	204.75	3.713		
8,050.00	3,531.51	7,716.03	3,154.70	117.15	117.09	-60.29	-499.67	-4,787.51	760.25	553.35	206.90	3.674		
8,100.00	3,530.94	7,766.03	3,154.13	118.37	118.31	-60.29	-499.60	-4,837.51	760.25	551.18	209.06	3.636		
8,150.00	3,530.38	7,816.03	3,153.56	119.59	119.54	-60.29	-499.53	-4,887.50	760.24	549.02	211.22	3.599		
8,200.00	3,529.81	7,866.03	3,153.00	120.82	120.76	-60.29	-499.46	-4,937.50	760.24	546.86	213.38	3.563		
8,250.00	3,529.24	7,916.03	3,152.43	122.05	121.99	-60.29	-499.39	-4,987.50	760.23	544.69	215.54	3.527		
8,300.00	3,528.67	7,966.03	3,151.86	123.27	123.21	-60.29	-499.32	-5,037.49	760.23	542.53	217.70	3.492		
8,350.00	3,528.11	8,016.03	3,151.30	124.50	124.44	-60.28	-499.25	-5,087.49	760.23	540.36	219.86	3.458		
8,400.00	3,527.54	8,066.03	3,150.73	125.72	125.67	-60.28	-499.18	-5,137.49	760.22	538.20	222.02	3.424		
8,450.00	3,526.97	8,116.03	3,150.16	126.95	126.89	-60.28	-499.11	-5,187.48	760.22	536.03	224.19	3.391		
8,500.00	3,526.40	8,166.03	3,149.59	128.17	128.12	-60.28	-499.05	-5,237.48	760.21	533.87	226.35	3.359		
8,550.00	3,525.84	8,216.03	3,149.03	129.40	129.34	-60.28	-498.98	-5,287.48	760.21	531.70	228.51	3.327		
8,600.00	3,525.27	8,266.03	3,148.46	130.63	130.57	-60.28	-498.91	-5,337.47	760.20	529.53	230.67	3.296		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

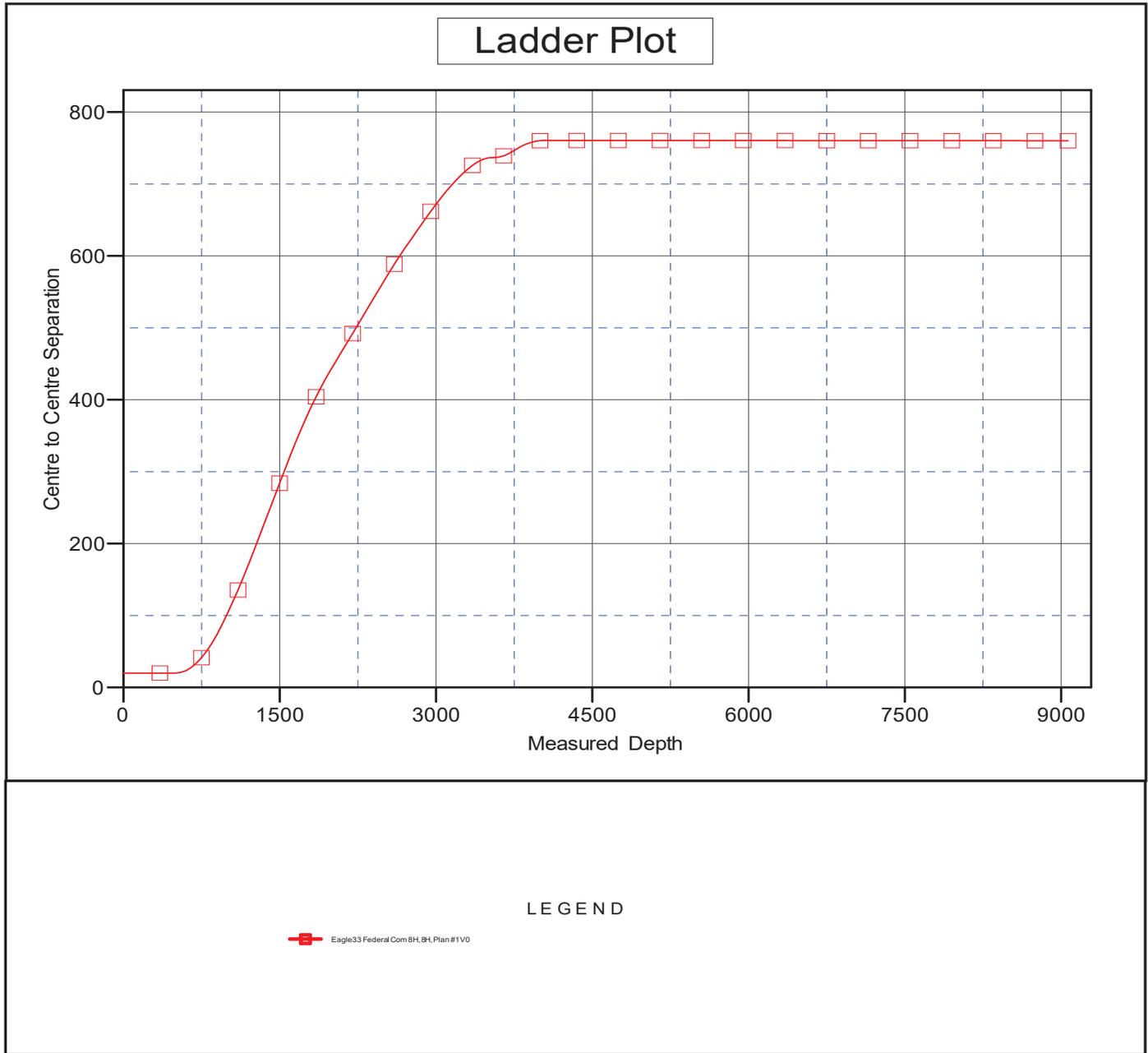
Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD Eagle 33 Federal Com - Eagle 33 Federal Com 8H - 8H - Plan #1													Offset Well Error:	0.00 usft
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,650.00	3,524.70	8,316.03	3,147.89	131.85	131.80	-60.28	-498.84	-5,387.47	760.20	527.37	232.83	3.265		
8,700.00	3,524.13	8,366.03	3,147.33	133.08	133.02	-60.28	-498.77	-5,437.47	760.20	525.20	234.99	3.235		
8,750.00	3,523.56	8,416.03	3,146.76	134.31	134.25	-60.28	-498.70	-5,487.46	760.19	523.03	237.16	3.205		
8,800.00	3,523.00	8,466.03	3,146.19	135.53	135.48	-60.28	-498.63	-5,537.46	760.19	520.87	239.32	3.176		
8,850.00	3,522.43	8,516.03	3,145.62	136.76	136.70	-60.28	-498.56	-5,587.46	760.18	518.70	241.48	3.148		
8,900.00	3,521.86	8,566.03	3,145.06	137.99	137.93	-60.28	-498.49	-5,637.45	760.18	516.53	243.65	3.120		
8,950.00	3,521.29	8,616.03	3,144.49	139.22	139.16	-60.28	-498.42	-5,687.45	760.17	514.36	245.81	3.093		
8,976.47	3,520.99	8,642.50	3,144.19	139.86	139.81	-60.28	-498.38	-5,713.91	760.17	513.22	246.96	3.078		
9,000.00	3,520.73	8,666.03	3,143.92	140.44	140.38	-60.28	-498.35	-5,737.45	760.17	512.20	247.97	3.066		
9,050.00	3,520.16	8,716.03	3,143.35	141.67	141.61	-60.28	-498.28	-5,787.44	760.16	510.03	250.14	3.039		
9,066.53	3,519.97	8,732.56	3,143.17	142.07	142.02	-60.28	-498.25	-5,803.97	760.16	509.31	250.85	3.030 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)      Coordinates are relative to: Eagle 33 Federal Com 7H  
 Offset Depths are relative to Offset Datum      Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Central Meridian is -104.3333333      Grid Convergence at Surface is: 0.03°



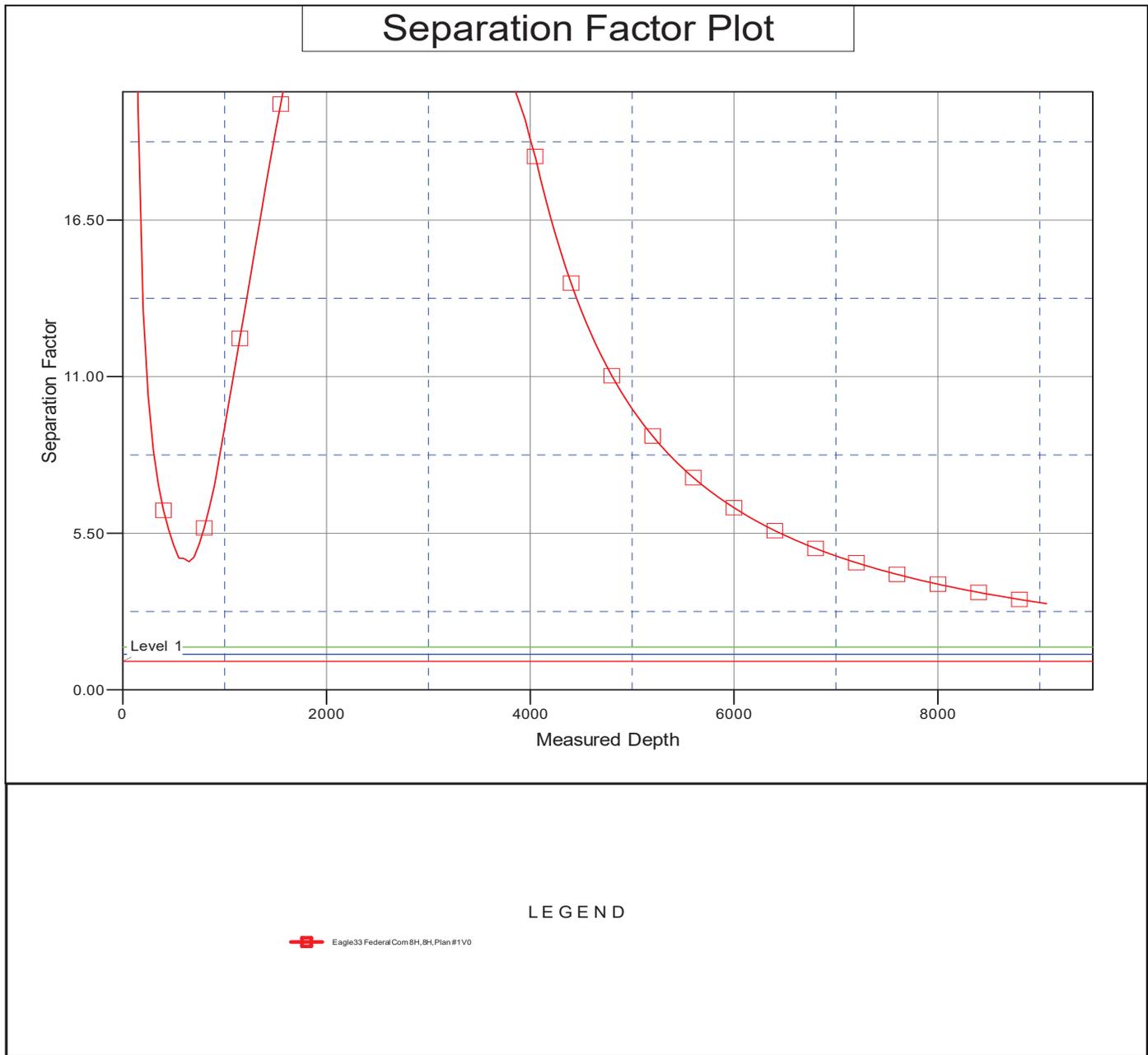
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 7H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 7H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	7H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -104.3333333

Coordinates are relative to: Eagle 33 Federal Com 7H  
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Grid Convergence at Surface is: 0.03°



<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico <b>Energy, Minerals &amp; Natural Resources Department</b> <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024  Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number  <p style="text-align: center;"><b>EAGLE 33 FED COM 8H</b></p>		

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-015-</b>	Pool Code	Pool Name
Property Code	<b>EAGLE 33 FED COM</b>	
Well Number <b>8H</b>		
OGRID No. <b>372290</b>	Operator Name <b>RILEY PERMIAN OPERATING COMPANY LLC</b>	
Ground Level Elevation <b>3527'</b>		
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

**Surface Location**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		1836 FNL	688 FWL	N 32.792929°	W 104.272790°	EDDY

**Bottom Hole Location If Different From Surface**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		2310 FNL	10 FWL	N 32.791623°	W 104.291770°	EDDY

Dedicated Acres <b>160</b>	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
Order Numbers			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

**Kick Off Point (KOP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		2218 FNL	731 FWL	N 32.791881°	W 104.272650°	EDDY

**First Take Point (FTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
H	33	17 S	27 E		2310 FNL	100 FEL	N 32.791597°	W 104.275355°	EDDY

**Last Take Point (LTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		2310 FNL	100 FWL	N 32.791623°	W 104.291477°	EDDY

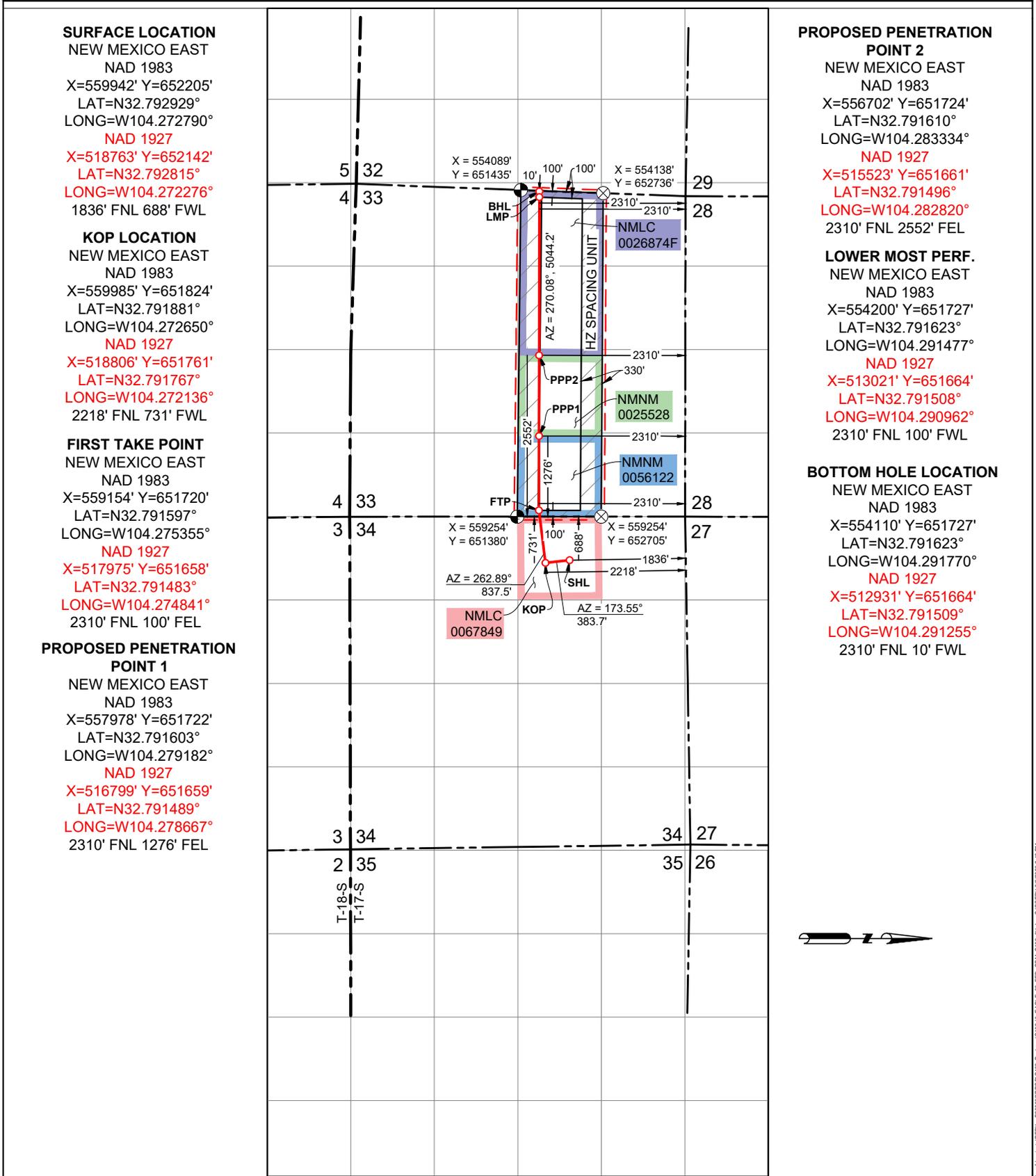
Unitized Area or Area of Uniform Interest	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation <b>3552'</b>
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<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p>	<p><b>SURVEYORS CERTIFICATION</b></p> <div style="text-align: center;">  </div> <p>Signature and Seal of Professional Surveyor _____ Date _____</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p><b>MITCHELL L. MCDONALD, N.M. P.L.S.</b></p> <p>Certificate Number <b>29821</b> Date of Survey <b>OCTOBER 17, 2025</b></p>
Signature _____ Date _____  Print Name _____  E-mail Address _____	

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico <b>Energy, Minerals &amp; Natural Resources Department</b> <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024  Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
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**Property Name and Well Number**  
**EAGLE 33 FED COM 8H**



**SURFACE LOCATION**  
 NEW MEXICO EAST  
 NAD 1983  
 X=559942' Y=652205'  
 LAT=N32.792929°  
 LONG=W104.272790°  
**NAD 1927**  
 X=518763' Y=652142'  
 LAT=N32.792815°  
 LONG=W104.272276°  
 1836' FNL 688' FWL

**KOP LOCATION**  
 NEW MEXICO EAST  
 NAD 1983  
 X=559985' Y=651824'  
 LAT=N32.791881°  
 LONG=W104.272650°  
**NAD 1927**  
 X=518806' Y=651761'  
 LAT=N32.791767°  
 LONG=W104.272136°  
 2218' FNL 731' FWL

**FIRST TAKE POINT**  
 NEW MEXICO EAST  
 NAD 1983  
 X=559154' Y=651720'  
 LAT=N32.791597°  
 LONG=W104.275355°  
**NAD 1927**  
 X=517975' Y=651658'  
 LAT=N32.791483°  
 LONG=W104.274841°  
 2310' FNL 100' FEL

**PROPOSED PENETRATION POINT 1**  
 NEW MEXICO EAST  
 NAD 1983  
 X=557978' Y=651722'  
 LAT=N32.791603°  
 LONG=W104.279182°  
**NAD 1927**  
 X=516799' Y=651659'  
 LAT=N32.791489°  
 LONG=W104.278667°  
 2310' FNL 1276' FEL

**PROPOSED PENETRATION POINT 2**  
 NEW MEXICO EAST  
 NAD 1983  
 X=556702' Y=651724'  
 LAT=N32.791610°  
 LONG=W104.283334°  
**NAD 1927**  
 X=515523' Y=651661'  
 LAT=N32.791496°  
 LONG=W104.282820°  
 2310' FNL 2552' FEL

**LOWER MOST PERF.**  
 NEW MEXICO EAST  
 NAD 1983  
 X=554200' Y=651727'  
 LAT=N32.791623°  
 LONG=W104.291477°  
**NAD 1927**  
 X=513021' Y=651664'  
 LAT=N32.791508°  
 LONG=W104.290962°  
 2310' FNL 100' FWL

**BOTTOM HOLE LOCATION**  
 NEW MEXICO EAST  
 NAD 1983  
 X=554110' Y=651727'  
 LAT=N32.791623°  
 LONG=W104.291770°  
**NAD 1927**  
 X=512931' Y=651664'  
 LAT=N32.791509°  
 LONG=W104.291255°  
 2310' FNL 10' FWL

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico <b>Energy, Minerals &amp; Natural Resources Department</b> <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024  Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number <p style="text-align: center;"><b>EAGLE 33 FED COM 7H</b></p>		

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-015-</b>	Pool Code	Pool Name
Property Code	<b>EAGLE 33 FED COM</b>	
OGRID No. <b>372290</b>	Operator Name <b>RILEY PERMIAN OPERATING COMPANY LLC</b>	Well Number <b>7H</b>
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Ground Level Elevation <b>3527'</b>
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		

**Surface Location**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		1816 FNL	688 FWL	N 32.792984°	W 104.272790°	EDDY

**Bottom Hole Location If Different From Surface**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		1650 FNL	10 FWL	N 32.793437°	W 104.291688°	EDDY

Dedicated Acres <b>160</b>	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
Order Numbers			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

**Kick Off Point (KOP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		1662 FNL	724 FWL	N 32.793408°	W 104.272671°	EDDY

**First Take Point (FTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
H	33	17 S	27 E		1650 FNL	100 FEL	N 32.793411°	W 104.275354°	EDDY

**Last Take Point (LTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		1650 FNL	100 FWL	N 32.793437°	W 104.291395°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation <b>3552'</b>
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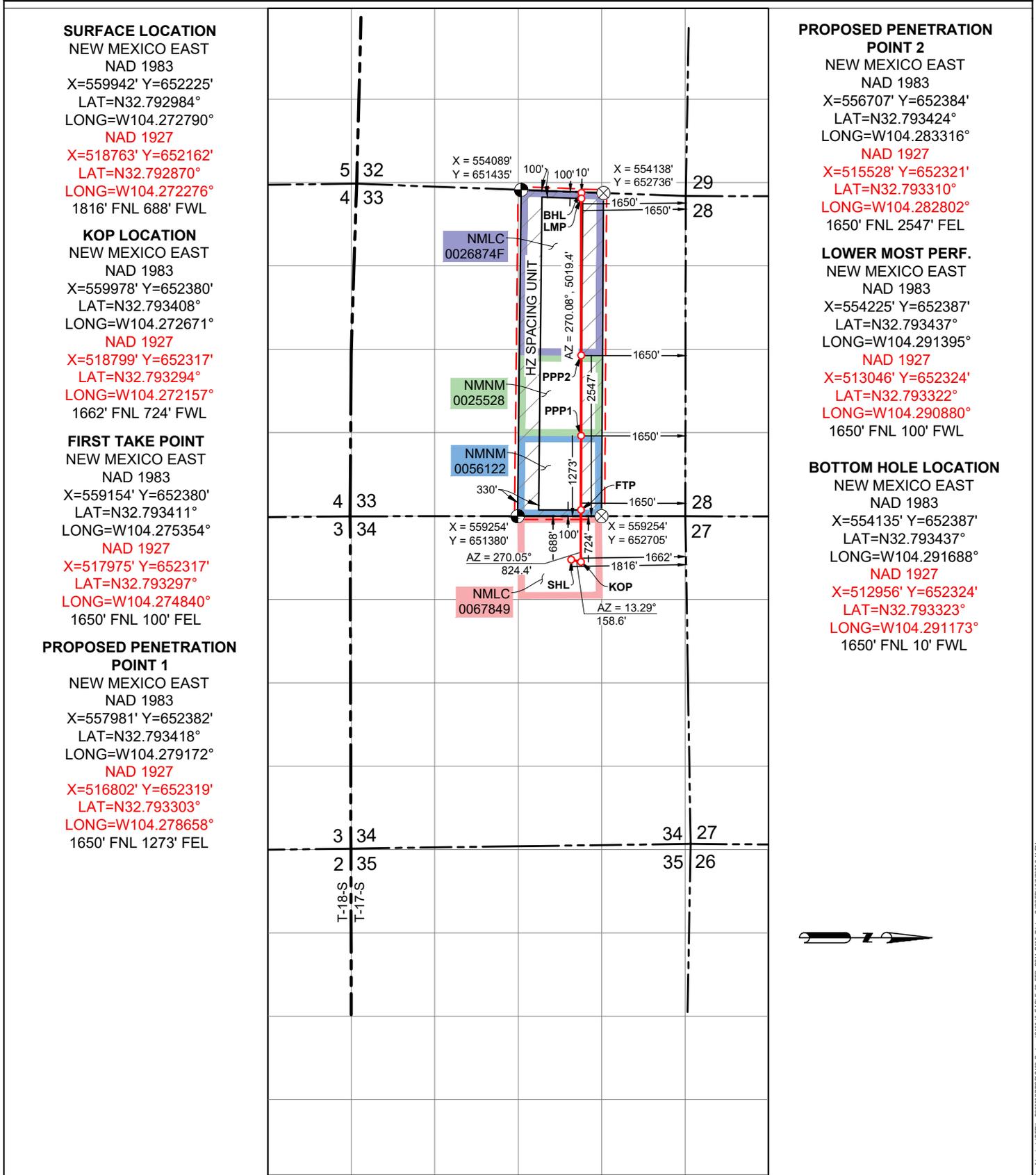
<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p>	<p><b>SURVEYORS CERTIFICATION</b></p> <div style="text-align: center;">  </div> <p>Signature and Seal of Professional Surveyor _____ Date _____</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p><b>MITCHELL L. MCDONALD, N.M. P.L.S.</b></p> <p>Certificate Number <b>29821</b> Date of Survey <b>OCTOBER 17, 2025</b></p>
Signature _____ Date _____	
Print Name _____	
E-mail Address _____	

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>C-102</b></p> <p>Submit Electronically Via OCD Permitting</p>	<p>State of New Mexico Energy, Minerals &amp; Natural Resources Department <b>OIL CONSERVATION DIVISION</b></p>	<p>Revised July 9, 2024</p> <p>Submittal Type:</p> <p><input checked="" type="checkbox"/> Initial Submittal</p> <p><input type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p>
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**Property Name and Well Number**

**EAGLE 33 FED COM 7H**



**SURFACE LOCATION**

NEW MEXICO EAST  
NAD 1983  
X=559942' Y=652225'  
LAT=N32.792984°  
LONG=W104.272790°  
**NAD 1927**  
X=518763' Y=652162'  
LAT=N32.792870°  
LONG=W104.272276°  
1816' FNL 688' FWL

**KOP LOCATION**

NEW MEXICO EAST  
NAD 1983  
X=559978' Y=652380'  
LAT=N32.793408°  
LONG=W104.272671°  
**NAD 1927**  
X=518799' Y=652317'  
LAT=N32.793294°  
LONG=W104.272157°  
1662' FNL 724' FWL

**FIRST TAKE POINT**

NEW MEXICO EAST  
NAD 1983  
X=559154' Y=652380'  
LAT=N32.793411°  
LONG=W104.275354°  
**NAD 1927**  
X=517975' Y=652317'  
LAT=N32.793297°  
LONG=W104.274840°  
1650' FNL 100' FEL

**PROPOSED PENETRATION**

**POINT 1**

NEW MEXICO EAST  
NAD 1983  
X=557981' Y=652382'  
LAT=N32.793418°  
LONG=W104.279172°  
**NAD 1927**  
X=516802' Y=652319'  
LAT=N32.793303°  
LONG=W104.278658°  
1650' FNL 1273' FEL

**PROPOSED PENETRATION**

**POINT 2**

NEW MEXICO EAST  
NAD 1983  
X=556707' Y=652384'  
LAT=N32.793424°  
LONG=W104.283316°  
**NAD 1927**  
X=515528' Y=652321'  
LAT=N32.793310°  
LONG=W104.282802°  
1650' FNL 2547' FEL

**LOWER MOST PERF.**

NEW MEXICO EAST  
NAD 1983  
X=554225' Y=652387'  
LAT=N32.793437°  
LONG=W104.291395°  
**NAD 1927**  
X=513046' Y=652324'  
LAT=N32.793322°  
LONG=W104.290880°  
1650' FNL 100' FWL

**BOTTOM HOLE LOCATION**

NEW MEXICO EAST  
NAD 1983  
X=554135' Y=652387'  
LAT=N32.793437°  
LONG=W104.291688°  
**NAD 1927**  
X=512956' Y=652324'  
LAT=N32.793323°  
LONG=W104.291173°  
1650' FNL 10' FWL

**Geological Prognosis**

Last Update 4-Feb-26

Riley Permian Operating Co.

Author Doug Standart

Well Name Eagle 33 Federal Com 8H

County, State Eddy, New Mexico

API 3001549714

Rig Akita ##



Ground Elevation (ft) <b>Est</b>	<b>3526.5</b>
Rig KB (ft)	<b>19.5</b>
Reference Datum (ft)	<b>3546</b>

Rec Permit Depth TVD	3,604
Rec Permit Depth MD	8,923
Estimated MD TD	8,286
Completed Lateral Length	5,080

Coordinate System: NMSP East (ft)

**Section**

SHL Lat	32.7929292	34
SHL Long	-104.2727898	34
SHL N	652205.32	34
SHL E	559941.96	34
Lease Line Callouts (SHL)	1836 FNL & 688 FWL	
Township & Range	17S 27E	
Lateral Orientation (azimuth)	90	
Lateral Inclination	90.65	

Typelog:	<b>Eagle 33 I Federal 17</b>
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<u>Top</u>	<u>TC Thickness</u>	<u>Subsea</u>	<u>Top from KB</u>	<u>Lithology</u>	<u>Comments</u>
Seven Rivers	423	3,091	<b>455</b>		
Queen	365	2,668	<b>878</b>	ANHY/Dolomite	
Grayburg	283	2,303	<b>1,243</b>	ANHY/Dolomite	
San Andres	1340	2,020	<b>1,526</b>	ANHY/Dolomite	Surface Casing
Glorieta	79	680	<b>2,866</b>	ANHY/Dolomite	Top of Pay
Paddock	171	601	<b>2,945</b>	ANHY/Dolomite	
Lower Paddock	90	430	<b>3,116</b>	ANHY/Dolomite	
Target	10	340	<b>3,206</b>		
Base of Target		330	<b>3,216</b>		

<b>Target @ 0' VS</b>	<u>TVD</u>	<u>INC</u>
	<b>3,206</b>	<b>90.65</b>

<b>Well name</b>	<b>Point</b>	<b>Original Permit footages</b>	<b>New Request footages</b>
Eagle 33 Federal Com 7H			
	FTP	1750' FNL, 100' FEL	1650' FNL, 100'FEL
	LTP	1750' FNL, 100' FWL	1650' FNL, 100'FWL
	BHL	1750' FNL, 1' FWL	1650' FNL, 10'FWL
Eagle 33 Federal Com 8H			
	FTP	2160' FNL, 100' FEL	2310' FNL, 100'FEL
	LTP	2160' FNL, 100'FWL	2310' FNL, 100'FWL
	BHL	2160' FNL, 1' FWL	2310' FNL, 10' FWL

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number <p style="text-align: center;"><b>EAGLE 33 FED COM 8H</b></p>		

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-015-49714</b>	Pool Code <b>51120</b>	Pool Name <b>Red Lake; Glorieta-Yeso</b>
Property Code <b>334354</b>	Property Name <b>EAGLE 33 FED COM</b>	
OGRID No. <b>372290</b>	Operator Name <b>RILEY PERMIAN OPERATING COMPANY LLC</b>	Well Number <b>8H</b>
Ground Level Elevation <b>3527'</b>		
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

**Surface Location**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		1836 FNL	688 FWL	N 32.792929°	W 104.272790°	EDDY

**Bottom Hole Location If Different From Surface**

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		2310 FNL	10 FWL	N 32.791623°	W 104.291770°	EDDY

Dedicated Acres <b>160</b>	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
Order Numbers			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

**Kick Off Point (KOP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	34	17 S	27 E		2218 FNL	731 FWL	N 32.791881°	W 104.272650°	EDDY

**First Take Point (FTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
H	33	17 S	27 E		2310 FNL	100 FEL	N 32.791597°	W 104.275355°	EDDY

**Last Take Point (LTP)**

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	33	17 S	27 E		2310 FNL	100 FWL	N 32.791623°	W 104.291477°	EDDY

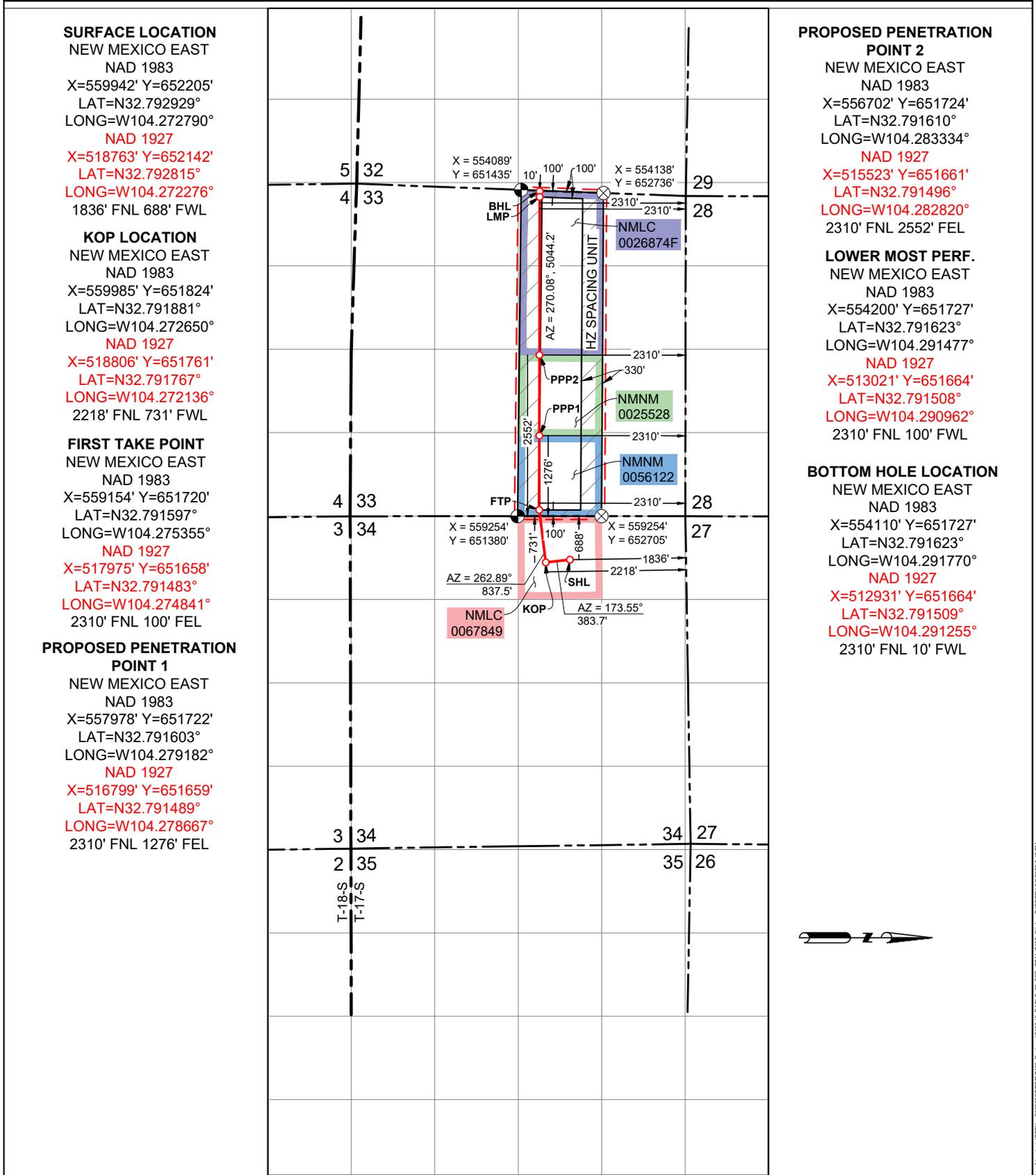
Unitized Area or Area of Uniform Interest	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation <b>3552'</b>
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<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p>	<p><b>SURVEYORS CERTIFICATION</b></p> <div style="text-align: center;">  </div> <p>Signature and Seal of Professional Surveyor _____ Date _____</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p><b>MITCHELL L. MCDONALD, N.M. P.L.S.</b></p> <p>Certificate Number <b>29821</b> Date of Survey <b>OCTOBER 17, 2025</b></p>
Signature _____ Date _____ Print Name _____ E-mail Address _____	

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>C-102</b></p> <p>Submit Electronically Via OCD Permitting</p>	<p>State of New Mexico Energy, Minerals &amp; Natural Resources Department <b>OIL CONSERVATION DIVISION</b></p>	<p>Revised July 9, 2024</p> <p>Submittal Type:</p> <p><input checked="" type="checkbox"/> Initial Submittal</p> <p><input type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p>
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**Property Name and Well Number**  
**EAGLE 33 FED COM 8H**



**SURFACE LOCATION**  
NEW MEXICO EAST  
NAD 1983  
X=559942' Y=652205'  
LAT=N32.792929°  
LONG=W104.272790°  
**NAD 1927**  
X=518763' Y=652142'  
LAT=N32.792815°  
LONG=W104.272276°  
1836' FNL 688' FWL

**KOP LOCATION**  
NEW MEXICO EAST  
NAD 1983  
X=559985' Y=651824'  
LAT=N32.791881°  
LONG=W104.272650°  
**NAD 1927**  
X=518806' Y=651761'  
LAT=N32.791767°  
LONG=W104.272136°  
2218' FNL 731' FWL

**FIRST TAKE POINT**  
NEW MEXICO EAST  
NAD 1983  
X=559154' Y=651720'  
LAT=N32.791597°  
LONG=W104.275355°  
**NAD 1927**  
X=517975' Y=651658'  
LAT=N32.791483°  
LONG=W104.274841°  
2310' FNL 100' FEL

**PROPOSED PENETRATION POINT 1**  
NEW MEXICO EAST  
NAD 1983  
X=557978' Y=651722'  
LAT=N32.791603°  
LONG=W104.279182°  
**NAD 1927**  
X=516799' Y=651659'  
LAT=N32.791489°  
LONG=W104.278667°  
2310' FNL 1276' FEL

**PROPOSED PENETRATION POINT 2**  
NEW MEXICO EAST  
NAD 1983  
X=556702' Y=651724'  
LAT=N32.791610°  
LONG=W104.283334°  
**NAD 1927**  
X=515523' Y=651661'  
LAT=N32.791496°  
LONG=W104.282820°  
2310' FNL 2552' FEL

**LOWER MOST PERF.**  
NEW MEXICO EAST  
NAD 1983  
X=554200' Y=651727'  
LAT=N32.791623°  
LONG=W104.291477°  
**NAD 1927**  
X=513021' Y=651664'  
LAT=N32.791508°  
LONG=W104.290962°  
2310' FNL 100' FWL

**BOTTOM HOLE LOCATION**  
NEW MEXICO EAST  
NAD 1983  
X=554110' Y=651727'  
LAT=N32.791623°  
LONG=W104.291770°  
**NAD 1927**  
X=512931' Y=651664'  
LAT=N32.791509°  
LONG=W104.291255°  
2310' FNL 10' FWL

# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid**

**Eagle 33 Federal Com**

**Eagle 33 Federal Com 8H**

**8H**

**Plan #1**

## **Anticollision Report**

**27 January, 2026**

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 50.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Unknown AC limit!	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	Date	01/27/26		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,760.49	Plan #1 (8H)	MWD	OWSG MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (usft)</b>	<b>Offset Measured Depth (usft)</b>	<b>Distance Between Centres (usft)</b>	<b>Distance Between Ellipses (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
Offset Well - Wellbore - Design						
Eagle 33 Federal Com						
Eagle 33 Federal Com 7H - 7H - Plan #1	500.00	500.00	19.97	16.04	5.077	CC, ES
Eagle 33 Federal Com 7H - 7H - Plan #1	8,750.00	9,066.53	760.36	509.24	3.028	SF

<b>Offset Design</b>													<b>Offset Site Error:</b>	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1													<b>Offset Well Error:</b>	0.00 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-0.06	19.97	-0.02	19.97					
50.00	50.00	50.00	50.00	0.10	0.14	-0.06	19.97	-0.02	19.97	19.78	0.19	104.212		
100.00	100.00	100.00	100.00	0.29	0.29	-0.06	19.97	-0.02	19.97	19.52	0.45	44.324		
150.00	150.00	150.00	150.00	0.61	0.61	-0.06	19.97	-0.02	19.97	19.00	0.97	20.501		
200.00	200.00	200.00	200.00	0.94	0.94	-0.06	19.97	-0.02	19.97	18.47	1.50	13.334		
250.00	250.00	250.00	250.00	1.19	1.19	-0.06	19.97	-0.02	19.97	18.04	1.93	10.323		
300.00	300.00	300.00	300.00	1.44	1.44	-0.06	19.97	-0.02	19.97	17.60	2.37	8.421		
350.00	350.00	350.00	350.00	1.66	1.66	-0.06	19.97	-0.02	19.97	17.20	2.77	7.211		
400.00	400.00	400.00	400.00	1.88	1.88	-0.06	19.97	-0.02	19.97	16.80	3.17	6.305		
450.00	450.00	450.00	450.00	2.09	2.09	-0.06	19.97	-0.02	19.97	16.42	3.55	5.625		
500.00	500.00	500.00	500.00	2.30	2.30	-0.06	19.97	-0.02	19.97	16.04	3.93	5.077	CC, ES	
550.00	550.00	549.65	549.65	2.45	2.65	-173.45	20.39	0.08	20.83	16.33	4.50	4.629		
600.00	599.98	599.21	599.19	2.61	3.00	-173.09	21.64	0.37	23.39	18.32	5.07	4.613		
650.00	649.93	648.60	648.53	3.12	3.50	-172.63	23.72	0.87	27.66	21.51	6.15	4.501		
700.00	699.84	697.73	697.57	3.68	4.01	-172.18	26.61	1.55	33.63	26.41	7.22	4.658		
750.00	749.68	746.51	746.21	4.12	4.43	-171.79	30.29	2.42	41.28	33.22	8.07	5.118		
800.00	799.45	794.87	794.35	4.57	4.83	-171.47	34.73	3.46	50.61	41.71	8.90	5.687		
850.00	849.13	842.73	841.92	4.96	5.19	-171.21	39.90	4.69	61.58	51.97	9.61	6.405		
900.00	898.70	890.02	888.81	5.34	5.54	-171.00	45.77	6.07	74.19	63.88	10.31	7.193		
950.00	948.15	937.01	935.32	5.69	5.71	-170.83	52.32	7.62	88.38	77.58	10.80	8.182		
1,000.00	997.47	984.64	982.42	6.04	5.82	-170.74	59.17	9.24	103.61	92.36	11.25	9.211		
1,050.00	1,046.63	1,031.99	1,029.26	6.36	5.93	-170.73	65.98	10.84	119.65	107.98	11.67	10.254		
1,100.00	1,095.62	1,079.06	1,075.81	6.67	6.05	-170.77	72.75	12.44	136.51	124.42	12.09	11.293		
1,150.00	1,144.44	1,125.84	1,122.07	6.99	6.17	-170.84	79.48	14.03	154.18	141.67	12.50	12.332		
1,200.00	1,193.06	1,172.30	1,168.02	7.30	6.30	-170.93	86.16	15.61	172.65	159.73	12.92	13.364		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1														
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,203.96	1,196.90	1,175.96	1,171.65	7.33	6.31	-170.94	86.69	15.73	174.14	161.19	12.95	13.446		
1,250.00	1,241.55	1,218.57	1,213.79	7.50	6.43	-171.07	92.81	17.18	191.58	178.36	13.22	14.492		
1,300.00	1,290.05	1,264.85	1,259.56	7.68	6.56	-171.19	99.47	18.75	210.52	197.00	13.52	15.576		
1,350.00	1,338.55	1,311.12	1,305.32	7.81	6.70	-171.30	106.12	20.32	229.45	215.69	13.76	16.678		
1,400.00	1,387.05	1,357.39	1,351.09	7.94	6.83	-171.38	112.78	21.89	248.39	234.38	14.00	17.736		
1,450.00	1,435.55	1,403.67	1,396.85	8.07	6.97	-171.46	119.43	23.47	267.33	253.07	14.26	18.749		
1,500.00	1,484.04	1,449.94	1,442.62	8.21	7.11	-171.52	126.09	25.04	286.26	271.75	14.52	19.721		
1,550.00	1,532.54	1,496.21	1,488.39	8.35	7.26	-171.58	132.74	26.61	305.20	290.42	14.78	20.652		
1,600.00	1,581.04	1,542.49	1,534.15	8.49	7.39	-171.63	139.40	28.18	324.14	309.10	15.04	21.551		
1,650.00	1,629.54	1,590.94	1,582.08	8.64	7.53	-171.67	146.31	29.81	343.03	327.70	15.33	22.376		
1,700.00	1,678.04	1,643.87	1,634.55	8.79	7.74	-171.75	153.12	31.42	361.25	345.54	15.71	22.990		
1,750.00	1,726.53	1,697.53	1,687.86	8.94	7.97	-171.85	159.06	32.82	378.63	362.51	16.11	23.500		
1,800.00	1,775.03	1,751.91	1,741.99	9.10	8.29	-171.97	164.08	34.01	395.13	378.54	16.59	23.812		
1,850.00	1,823.53	1,806.97	1,796.89	9.26	8.63	-172.12	168.15	34.97	410.76	393.68	17.08	24.047		
1,900.00	1,872.03	1,862.69	1,852.51	9.42	8.95	-172.29	171.23	35.69	425.49	407.93	17.55	24.239		
1,950.00	1,920.53	1,919.03	1,908.82	9.59	9.27	-172.47	173.26	36.17	439.30	421.28	18.02	24.372		
2,000.00	1,969.02	1,975.97	1,965.75	9.76	9.57	-172.68	174.22	36.40	452.19	433.70	18.49	24.459		
2,050.00	2,017.52	2,027.74	2,017.52	9.93	9.77	-172.89	174.30	36.42	464.33	445.49	18.83	24.654		
2,100.00	2,066.02	2,076.24	2,066.02	10.11	9.90	-173.07	174.30	36.42	476.41	457.29	19.11	24.928		
2,150.00	2,114.52	2,124.74	2,114.52	10.29	10.03	-173.24	174.30	36.42	488.49	469.09	19.40	25.183		
2,200.00	2,163.02	2,173.24	2,163.02	10.48	10.18	-173.40	174.30	36.42	500.57	480.88	19.69	25.425		
2,250.00	2,211.51	2,221.73	2,211.51	10.67	10.32	-173.56	174.30	36.42	512.66	492.68	19.98	25.655		
2,300.00	2,260.01	2,270.23	2,260.01	10.87	10.47	-173.71	174.30	36.42	524.75	504.48	20.28	25.877		
2,350.00	2,308.51	2,318.73	2,308.51	11.07	10.61	-173.85	174.30	36.42	536.85	516.27	20.58	26.089		
2,400.00	2,357.01	2,367.23	2,357.01	11.27	10.76	-173.99	174.30	36.42	548.95	528.07	20.88	26.292		
2,427.71	2,383.89	2,394.11	2,383.89	11.38	10.84	-174.06	174.30	36.42	555.65	534.61	21.04	26.407		
2,450.00	2,405.52	2,415.74	2,405.52	11.47	10.91	178.40	174.30	36.42	561.00	539.83	21.17	26.494		
2,500.00	2,454.10	2,464.32	2,454.10	11.70	11.06	161.31	174.30	36.42	572.62	551.13	21.49	26.650		
2,550.00	2,502.55	2,512.77	2,502.55	11.95	11.21	146.00	174.30	36.42	583.71	561.88	21.83	26.740		
2,600.00	2,550.62	2,560.84	2,550.62	12.23	11.36	133.92	174.30	36.42	594.31	572.13	22.18	26.791		
2,650.00	2,598.09	2,608.31	2,598.09	12.54	11.50	125.08	174.30	36.42	604.51	581.97	22.54	26.822		
2,700.00	2,644.73	2,654.95	2,644.73	12.87	11.65	118.84	174.30	36.42	614.46	591.56	22.89	26.842		
2,750.00	2,690.30	2,700.52	2,690.30	13.21	11.79	114.51	174.30	36.42	624.32	601.08	23.24	26.863		
2,800.00	2,734.58	2,744.80	2,734.58	13.55	11.93	111.56	174.30	36.42	634.31	610.72	23.59	26.894		
2,850.00	2,777.37	2,787.59	2,777.37	13.88	12.06	109.59	174.30	36.42	644.66	620.73	23.93	26.943		
2,900.00	2,818.45	2,837.05	2,826.80	14.20	12.22	108.62	174.30	34.89	655.37	631.08	24.29	26.983		
2,950.00	2,857.61	2,889.46	2,878.93	14.51	12.42	108.17	174.31	29.56	666.17	641.50	24.67	27.007		
3,000.00	2,894.68	2,944.74	2,933.33	14.83	12.66	108.14	174.32	19.82	676.94	651.88	25.07	27.007		
3,050.00	2,929.47	3,003.28	2,989.93	15.14	12.92	108.44	174.34	4.96	687.57	662.08	25.49	26.975		
3,100.00	2,961.80	3,065.49	3,048.54	15.46	13.22	109.01	174.37	-15.83	697.89	671.95	25.94	26.901		
3,150.00	2,991.53	3,131.83	3,108.80	15.80	13.54	109.82	174.40	-43.52	707.74	681.31	26.43	26.775		
3,200.00	3,018.51	3,202.73	3,170.08	16.17	13.89	110.83	174.45	-79.13	716.91	689.94	26.97	26.584		
3,209.58	3,023.35	3,216.87	3,181.86	16.24	13.96	111.04	174.46	-86.95	718.57	691.49	27.08	26.536		
3,250.00	3,043.56	3,279.33	3,231.96	16.55	14.26	112.89	174.51	-124.20	725.03	697.44	27.59	26.279		
3,300.00	3,068.56	3,362.63	3,293.39	16.97	14.66	114.71	174.58	-180.41	731.37	703.09	28.28	25.865		
3,350.00	3,093.56	3,451.13	3,351.02	17.47	15.12	115.87	174.67	-247.49	735.39	706.22	29.17	25.214		
3,400.00	3,118.56	3,542.43	3,401.35	18.01	15.71	116.26	174.77	-323.59	736.72	706.47	30.26	24.349		
3,403.24	3,120.18	3,548.38	3,404.28	18.05	15.76	116.25	174.78	-328.77	736.71	706.38	30.33	24.287		
3,409.58	3,123.35	3,551.00	3,405.63	18.12	15.78	116.26	174.78	-331.01	736.72	706.27	30.45	24.192		
3,409.66	3,123.39	3,551.09	3,405.68	18.12	15.78	116.26	174.78	-331.09	736.72	706.27	30.45	24.191		
3,450.00	3,142.31	3,591.39	3,425.83	18.62	16.12	116.30	174.83	-365.99	737.35	706.02	31.33	23.537		
3,500.00	3,162.21	3,641.05	3,450.66	19.30	16.62	116.47	174.88	-409.00	739.89	707.40	32.49	22.772		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft		
Survey Program: 0-MWD													Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
3,550.00	3,178.03	3,690.02	3,475.14	20.06	17.15	116.74	174.94	-451.41	744.45	710.79	33.66	22.117				
3,600.00	3,189.67	3,737.94	3,499.10	20.87	17.73	117.08	174.99	-492.91	751.11	716.28	34.82	21.569				
3,650.00	3,197.02	3,839.64	3,541.92	21.72	19.16	118.39	175.11	-584.99	757.59	720.99	36.60	20.700				
3,700.00	3,200.03	4,009.66	3,576.19	22.62	22.05	119.67	175.33	-750.81	760.51	720.78	39.73	19.140				
3,712.48	3,200.10	4,046.12	3,576.98	22.85	22.73	119.70	175.38	-787.26	760.61	720.08	40.53	18.768				
3,716.08	3,200.07	4,034.74	3,576.62	22.91	22.52	119.67	175.36	-775.89	760.52	720.10	40.42	18.816				
3,750.00	3,199.69	4,084.03	3,576.54	23.55	23.45	119.70	175.43	-825.17	760.60	718.79	41.81	18.192				
3,800.00	3,199.12	4,134.03	3,575.98	24.50	24.43	119.70	175.49	-875.17	760.60	717.07	43.53	17.473				
3,850.00	3,198.56	4,184.03	3,575.41	25.49	25.42	119.70	175.56	-925.17	760.59	715.30	45.29	16.793				
3,900.00	3,197.99	4,234.03	3,574.84	26.49	26.44	119.70	175.62	-975.16	760.59	713.51	47.08	16.155				
3,950.00	3,197.42	4,284.03	3,574.27	27.52	27.47	119.70	175.69	-1,025.16	760.58	711.67	48.91	15.551				
4,000.00	3,196.85	4,334.03	3,573.71	28.56	28.52	119.70	175.75	-1,075.16	760.58	709.82	50.76	14.985				
4,050.00	3,196.29	4,384.03	3,573.14	29.62	29.59	119.70	175.82	-1,125.15	760.57	707.94	52.64	14.449				
4,100.00	3,195.72	4,434.03	3,572.57	30.69	30.67	119.70	175.88	-1,175.15	760.57	706.04	54.53	13.947				
4,150.00	3,195.15	4,484.03	3,572.00	31.78	31.75	119.70	175.95	-1,225.15	760.57	704.11	56.46	13.472				
4,200.00	3,194.59	4,534.03	3,571.44	32.87	32.86	119.70	176.01	-1,275.14	760.56	702.17	58.39	13.026				
4,250.00	3,194.02	4,584.03	3,570.87	33.98	33.96	119.70	176.08	-1,325.14	760.56	700.21	60.35	12.603				
4,300.00	3,193.45	4,634.03	3,570.30	35.09	35.08	119.70	176.14	-1,375.14	760.55	698.24	62.31	12.206				
4,350.00	3,192.88	4,684.03	3,569.73	36.22	36.21	119.70	176.21	-1,425.13	760.55	696.25	64.30	11.829				
4,400.00	3,192.32	4,734.03	3,569.16	37.34	37.34	119.70	176.27	-1,475.13	760.54	694.26	66.29	11.473				
4,450.00	3,191.75	4,784.03	3,568.60	38.48	38.48	119.70	176.34	-1,525.13	760.54	692.24	68.29	11.136				
4,500.00	3,191.18	4,834.03	3,568.03	39.62	39.63	119.71	176.40	-1,575.12	760.53	690.23	70.31	10.817				
4,550.00	3,190.61	4,884.03	3,567.46	40.77	40.78	119.71	176.47	-1,625.12	760.53	688.20	72.33	10.514				
4,600.00	3,190.05	4,934.03	3,566.89	41.92	41.93	119.71	176.53	-1,675.12	760.53	686.16	74.37	10.227				
4,650.00	3,189.48	4,984.03	3,566.33	43.08	43.09	119.71	176.60	-1,725.12	760.52	684.11	76.41	9.953				
4,700.00	3,188.91	5,034.03	3,565.76	44.24	44.25	119.71	176.66	-1,775.11	760.52	682.06	78.46	9.693				
4,750.00	3,188.35	5,084.03	3,565.19	45.40	45.42	119.71	176.73	-1,825.11	760.51	680.00	80.51	9.446				
4,800.00	3,187.78	5,134.03	3,564.62	46.57	46.59	119.71	176.79	-1,875.11	760.51	677.93	82.57	9.210				
4,850.00	3,187.21	5,184.03	3,564.05	47.75	47.76	119.71	176.86	-1,925.10	760.50	675.86	84.64	8.985				
4,900.00	3,186.64	5,234.03	3,563.49	48.92	48.94	119.71	176.92	-1,975.10	760.50	673.79	86.71	8.770				
4,950.00	3,186.08	5,284.03	3,562.92	50.10	50.12	119.71	176.99	-2,025.10	760.50	671.70	88.79	8.565				
5,000.00	3,185.51	5,334.03	3,562.35	51.28	51.30	119.71	177.05	-2,075.09	760.49	669.62	90.87	8.369				
5,050.00	3,184.94	5,384.03	3,561.78	52.46	52.49	119.71	177.12	-2,125.09	760.49	667.53	92.96	8.181				
5,100.00	3,184.38	5,434.03	3,561.22	53.65	53.68	119.71	177.18	-2,175.09	760.48	665.43	95.05	8.001				
5,150.00	3,183.81	5,484.03	3,560.65	54.84	54.86	119.71	177.25	-2,225.08	760.48	663.33	97.14	7.828				
5,200.00	3,183.24	5,534.03	3,560.08	56.02	56.06	119.71	177.31	-2,275.08	760.47	661.23	99.24	7.663				
5,250.00	3,182.67	5,584.03	3,559.51	57.22	57.25	119.71	177.38	-2,325.08	760.47	659.13	101.34	7.504				
5,300.00	3,182.11	5,634.03	3,558.95	58.41	58.44	119.71	177.44	-2,375.07	760.46	657.02	103.45	7.351				
5,350.00	3,181.54	5,684.03	3,558.38	59.60	59.64	119.71	177.51	-2,425.07	760.46	654.91	105.55	7.204				
5,400.00	3,180.97	5,734.03	3,557.81	60.80	60.84	119.71	177.57	-2,475.07	760.46	652.79	107.66	7.063				
5,450.00	3,180.40	5,784.03	3,557.24	62.00	62.04	119.71	177.64	-2,525.06	760.45	650.67	109.78	6.927				
5,500.00	3,179.84	5,834.03	3,556.67	63.20	63.24	119.71	177.70	-2,575.06	760.45	648.56	111.89	6.796				
5,550.00	3,179.27	5,884.03	3,556.11	64.40	64.44	119.71	177.77	-2,625.06	760.44	646.43	114.01	6.670				
5,600.00	3,178.70	5,934.03	3,555.54	65.60	65.64	119.71	177.83	-2,675.05	760.44	644.31	116.13	6.548				
5,650.00	3,178.14	5,984.03	3,554.97	66.81	66.84	119.71	177.90	-2,725.05	760.43	642.18	118.25	6.431				
5,700.00	3,177.57	6,034.03	3,554.40	68.01	68.05	119.71	177.96	-2,775.05	760.43	640.06	120.37	6.317				
5,750.00	3,177.00	6,084.03	3,553.84	69.21	69.26	119.71	178.03	-2,825.04	760.43	637.93	122.50	6.208				
5,800.00	3,176.43	6,134.03	3,553.27	70.42	70.46	119.71	178.09	-2,875.04	760.42	635.79	124.63	6.102				
5,850.00	3,175.87	6,184.03	3,552.70	71.63	71.67	119.71	178.16	-2,925.04	760.42	633.66	126.75	5.999				
5,900.00	3,175.30	6,234.03	3,552.13	72.84	72.88	119.71	178.22	-2,975.03	760.41	631.53	128.89	5.900				
5,950.00	3,174.73	6,284.03	3,551.56	74.05	74.09	119.71	178.29	-3,025.03	760.41	629.39	131.02	5.804				
6,000.00	3,174.17	6,334.03	3,551.00	75.26	75.30	119.71	178.35	-3,075.03	760.40	627.25	133.15	5.711				

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1													Offset Well Error:	0.00 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,050.00	3,173.60	6,384.03	3,550.43	76.47	76.51	119.71	178.42	-3,125.02	760.40	625.11	135.28	5.621		
6,100.00	3,173.03	6,434.03	3,549.86	77.68	77.72	119.71	178.48	-3,175.02	760.39	622.97	137.42	5.533		
6,150.00	3,172.46	6,484.03	3,549.29	78.89	78.94	119.71	178.55	-3,225.02	760.39	620.83	139.56	5.449		
6,200.00	3,171.90	6,534.03	3,548.73	80.10	80.15	119.71	178.61	-3,275.01	760.39	618.69	141.70	5.366		
6,250.00	3,171.33	6,584.03	3,548.16	81.32	81.36	119.71	178.68	-3,325.01	760.38	616.55	143.84	5.286		
6,300.00	3,170.76	6,634.03	3,547.59	82.53	82.58	119.71	178.74	-3,375.01	760.38	614.40	145.98	5.209		
6,350.00	3,170.20	6,684.03	3,547.02	83.75	83.79	119.71	178.81	-3,425.00	760.37	612.25	148.12	5.134		
6,400.00	3,169.63	6,734.03	3,546.45	84.96	85.01	119.71	178.87	-3,475.00	760.37	610.11	150.26	5.060		
6,450.00	3,169.06	6,784.03	3,545.89	86.18	86.23	119.71	178.94	-3,525.00	760.36	607.96	152.40	4.989		
6,500.00	3,168.49	6,834.03	3,545.32	87.39	87.44	119.71	179.00	-3,574.99	760.36	605.81	154.55	4.920		
6,550.00	3,167.93	6,884.03	3,544.75	88.61	88.66	119.71	179.07	-3,624.99	760.35	603.66	156.69	4.852		
6,600.00	3,167.36	6,934.03	3,544.18	89.83	89.88	119.71	179.14	-3,674.99	760.35	601.51	158.84	4.787		
6,650.00	3,166.79	6,984.03	3,543.62	91.04	91.10	119.71	179.20	-3,724.98	760.35	599.36	160.99	4.723		
6,700.00	3,166.22	7,034.03	3,543.05	92.26	92.31	119.71	179.27	-3,774.98	760.34	597.21	163.13	4.661		
6,750.00	3,165.66	7,084.03	3,542.48	93.48	93.53	119.71	179.33	-3,824.98	760.34	595.05	165.28	4.600		
6,800.00	3,165.09	7,134.03	3,541.91	94.70	94.75	119.71	179.40	-3,874.97	760.33	592.90	167.43	4.541		
6,850.00	3,164.52	7,184.03	3,541.35	95.92	95.97	119.71	179.46	-3,924.97	760.33	590.75	169.58	4.484		
6,900.00	3,163.96	7,234.03	3,540.78	97.14	97.19	119.71	179.53	-3,974.97	760.32	588.59	171.73	4.427		
6,950.00	3,163.39	7,284.03	3,540.21	98.36	98.41	119.71	179.59	-4,024.97	760.32	586.44	173.88	4.373		
7,000.00	3,162.82	7,334.03	3,539.64	99.58	99.63	119.71	179.66	-4,074.96	760.32	584.28	176.04	4.319		
7,050.00	3,162.25	7,384.03	3,539.07	100.80	100.85	119.71	179.72	-4,124.96	760.31	582.12	178.19	4.267		
7,100.00	3,161.69	7,434.03	3,538.51	102.02	102.08	119.71	179.79	-4,174.96	760.31	579.97	180.34	4.216		
7,150.00	3,161.12	7,484.03	3,537.94	103.24	103.30	119.71	179.85	-4,224.95	760.30	577.81	182.49	4.166		
7,200.00	3,160.55	7,534.03	3,537.37	104.47	104.52	119.71	179.92	-4,274.95	760.30	575.65	184.65	4.118		
7,250.00	3,159.99	7,584.03	3,536.80	105.69	105.74	119.71	179.98	-4,324.95	760.29	573.49	186.80	4.070		
7,300.00	3,159.42	7,634.03	3,536.24	106.91	106.96	119.71	180.05	-4,374.94	760.29	571.33	188.96	4.024		
7,350.00	3,158.85	7,684.03	3,535.67	108.13	108.19	119.71	180.11	-4,424.94	760.28	569.17	191.11	3.978		
7,400.00	3,158.28	7,734.03	3,535.10	109.36	109.41	119.71	180.18	-4,474.94	760.28	567.01	193.27	3.934		
7,450.00	3,157.72	7,784.03	3,534.53	110.58	110.63	119.71	180.24	-4,524.93	760.28	564.85	195.43	3.890		
7,500.00	3,157.15	7,834.03	3,533.96	111.80	111.86	119.71	180.31	-4,574.93	760.27	562.69	197.58	3.848		
7,550.00	3,156.58	7,884.03	3,533.40	113.03	113.08	119.71	180.37	-4,624.93	760.27	560.53	199.74	3.806		
7,600.00	3,156.02	7,934.03	3,532.83	114.25	114.31	119.71	180.44	-4,674.92	760.26	558.36	201.90	3.766		
7,650.00	3,155.45	7,984.03	3,532.26	115.47	115.53	119.71	180.50	-4,724.92	760.26	556.20	204.06	3.726		
7,700.00	3,154.88	8,034.03	3,531.69	116.70	116.75	119.71	180.57	-4,774.92	760.25	554.04	206.21	3.687		
7,750.00	3,154.31	8,084.03	3,531.13	117.92	117.98	119.71	180.63	-4,824.91	760.25	551.88	208.37	3.648		
7,800.00	3,153.75	8,134.03	3,530.56	119.15	119.20	119.71	180.70	-4,874.91	760.24	549.71	210.53	3.611		
7,850.00	3,153.18	8,184.03	3,529.99	120.37	120.43	119.71	180.76	-4,924.91	760.24	547.55	212.69	3.574		
7,900.00	3,152.61	8,234.03	3,529.42	121.60	121.65	119.71	180.83	-4,974.90	760.24	545.38	214.85	3.538		
7,950.00	3,152.04	8,284.03	3,528.86	122.82	122.88	119.71	180.89	-5,024.90	760.23	543.22	217.01	3.503		
8,000.00	3,151.48	8,334.03	3,528.29	124.05	124.10	119.72	180.96	-5,074.90	760.23	541.06	219.17	3.469		
8,050.00	3,150.91	8,384.03	3,527.72	125.27	125.33	119.72	181.02	-5,124.89	760.22	538.89	221.33	3.435		
8,100.00	3,150.34	8,434.03	3,527.15	126.50	126.56	119.72	181.09	-5,174.89	760.22	536.72	223.49	3.402		
8,150.00	3,149.78	8,484.03	3,526.58	127.72	127.78	119.72	181.15	-5,224.89	760.21	534.56	225.66	3.369		
8,200.00	3,149.21	8,534.03	3,526.02	128.95	129.01	119.72	181.22	-5,274.88	760.21	532.39	227.82	3.337		
8,250.00	3,148.64	8,584.03	3,525.45	130.18	130.24	119.72	181.28	-5,324.88	760.21	530.23	229.98	3.306		
8,300.00	3,148.07	8,634.03	3,524.88	131.40	131.46	119.72	181.35	-5,374.88	760.20	528.06	232.14	3.275		
8,350.00	3,147.51	8,684.03	3,524.31	132.63	132.69	119.72	181.41	-5,424.87	760.20	525.89	234.30	3.245		
8,400.00	3,146.94	8,734.03	3,523.75	133.86	133.92	119.72	181.48	-5,474.87	760.19	523.73	236.47	3.215		
8,450.00	3,146.37	8,784.03	3,523.18	135.08	135.14	119.72	181.54	-5,524.87	760.19	521.56	238.63	3.186		
8,500.00	3,145.81	8,834.03	3,522.61	136.31	136.37	119.72	181.61	-5,574.86	760.18	519.39	240.79	3.157		
8,550.00	3,145.24	8,884.03	3,522.04	137.54	137.60	119.72	181.67	-5,624.86	760.18	517.22	242.95	3.129		
8,600.00	3,144.67	8,934.03	3,521.47	138.76	138.82	119.72	181.74	-5,674.86	760.17	515.06	245.12	3.101		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

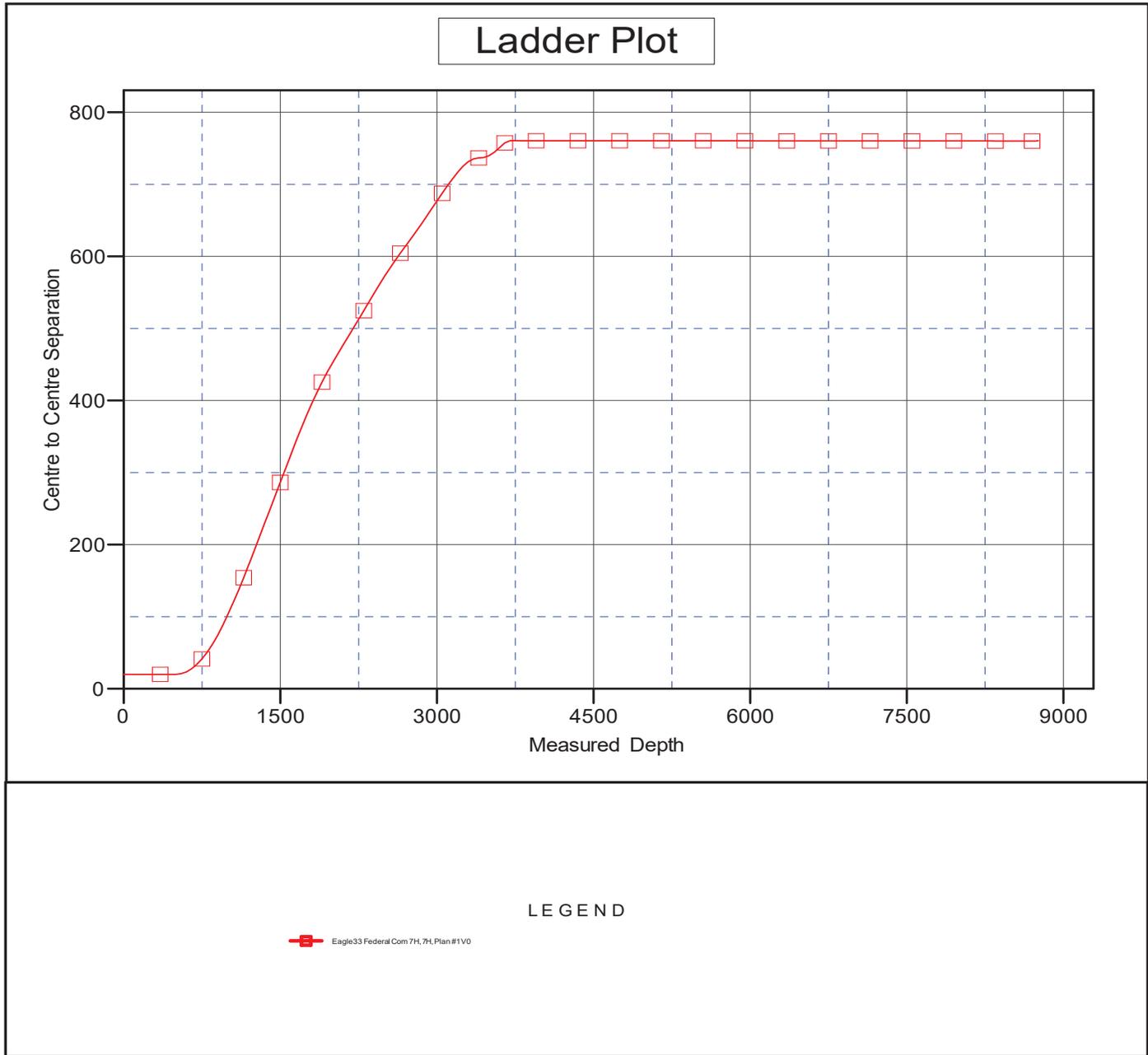
Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD Eagle 33 Federal Com - Eagle 33 Federal Com 7H - 7H - Plan #1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
8,650.00	3,144.10	8,984.03	3,520.91	139.99	140.05	119.72	181.80	-5,724.85	760.17	512.89	247.28	3.074	
8,670.65	3,143.87	9,004.69	3,520.67	140.50	140.56	119.72	181.83	-5,745.51	760.17	511.99	248.18	3.063	
8,700.00	3,143.54	9,034.03	3,520.34	141.22	141.28	119.72	181.87	-5,774.85	760.17	510.72	249.44	3.047	
8,731.55	3,143.18	9,065.58	3,519.98	141.99	142.05	119.72	181.91	-5,806.40	760.16	509.35	250.81	3.031	
8,750.00	3,142.97	9,066.53	3,519.97	142.44	142.07	119.72	181.91	-5,807.34	760.36	509.24	251.12	3.028 SF	
8,760.72	3,142.85	9,066.53	3,519.97	142.71	142.07	119.72	181.91	-5,807.34	760.68	509.47	251.22	3.028	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)      Coordinates are relative to: Eagle 33 Federal Com 8H  
 Offset Depths are relative to Offset Datum      Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Central Meridian is -104.3333333      Grid Convergence at Surface is: 0.03°



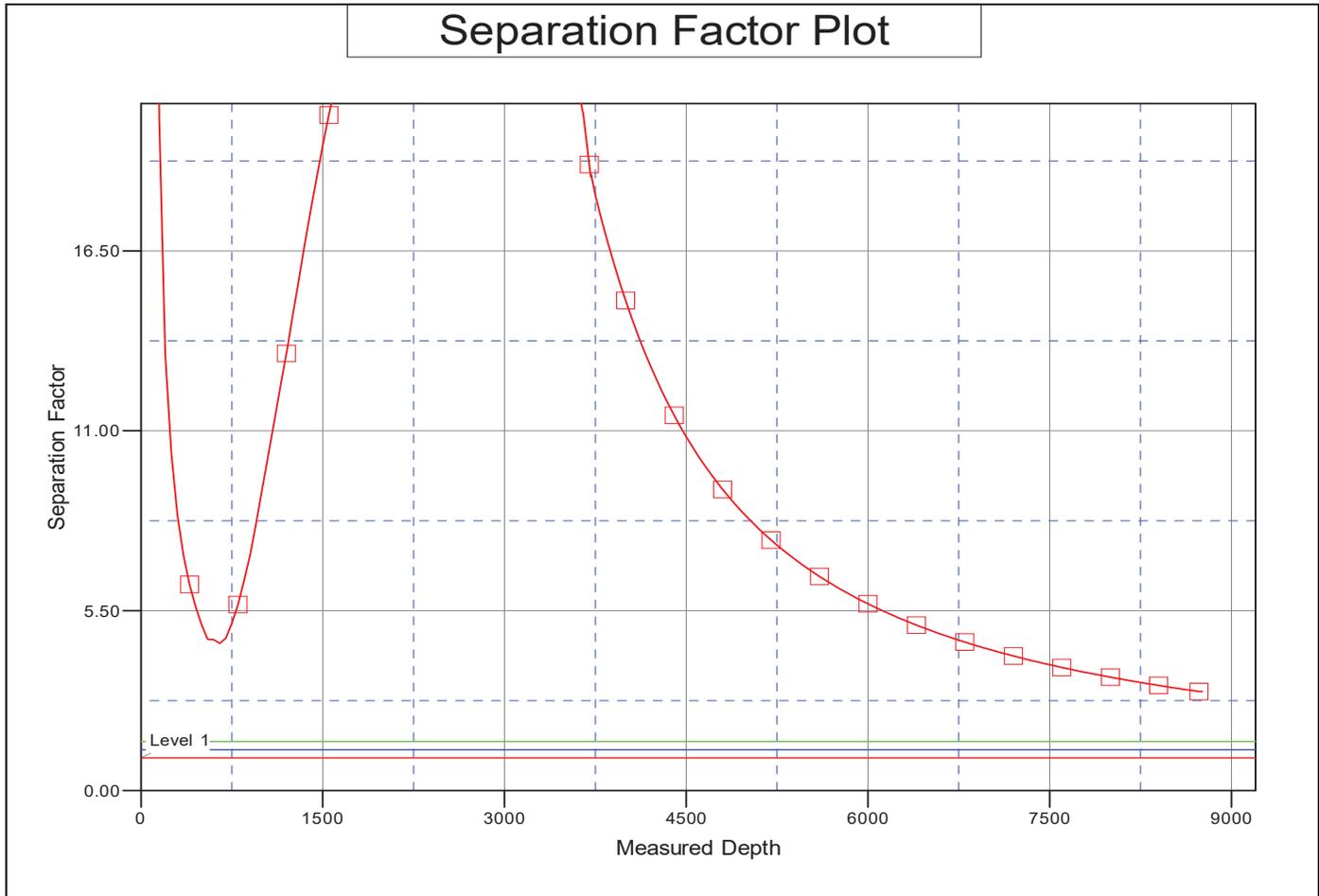
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Reference Site:</b>	Eagle 33 Federal Com	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	8H	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to 3526+23 @ 3549.00usft (gl+ kb Akita)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -104.333333

Coordinates are relative to: Eagle 33 Federal Com 8H  
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Grid Convergence at Surface is: 0.03°



**LEGEND**

 Eagle33 Federal Com 7H,7H,Plan#1V0

# **RILEY PERMIAN OPERATING CO., LLC**

**Eddy County, NM (NAD83) NMEZ Grid**

**Eagle 33 Federal Com**

**Eagle 33 Federal Com 8H**

**8H**

**Plan: Plan #1**

## **Standard Planning Report**

**27 January, 2026**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

<b>Project</b>	Eddy County, NM (NAD83) NMEZ Grid		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Eagle 33 Federal Com				
<b>Site Position:</b>		<b>Northing:</b>	652,205.32 usft	<b>Latitude:</b>	32.7929293
<b>From:</b>	Map	<b>Easting:</b>	559,941.96 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b>	0.03 °

<b>Well</b>	Eagle 33 Federal Com 8H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	652,205.32 usft	<b>Latitude:</b>	32.7929293
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	559,941.96 usft	<b>Longitude:</b>	-104.2727898
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,526.00 usft

<b>Wellbore</b>	8H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	01/27/26	6.57	60.15	47,212.50000000

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.08

<b>Plan Survey Tool Program</b>	<b>Date</b>	01/27/26			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	8,760.49 Plan #1 (8H)	MWD		
			OWSG MWD - Standard		

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,203.96	14.08	173.54	1,196.90	-85.51	9.68	2.00	2.00	0.00	173.54	
2,427.71	14.08	173.54	2,383.89	-381.31	43.18	0.00	0.00	0.00	0.00	
3,209.58	60.00	270.08	3,023.35	-485.94	-321.65	8.00	5.87	12.35	104.18	
3,409.58	60.00	270.08	3,123.35	-485.70	-494.85	0.00	0.00	0.00	0.00	
3,716.08	90.65	270.08	3,200.07	-485.29	-787.83	10.00	10.00	0.00	0.00	
8,670.65	90.65	270.08	3,143.87	-478.37	-5,742.09	0.00	0.00	0.00	0.00	Eagle33 8H LTP 231C
8,760.72	90.65	270.08	3,142.85	-478.24	-5,832.15	0.00	0.00	0.00	0.00	Eagle33 8H PBHL 23

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
458.00	0.00	0.00	458.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Seven Rivers</b>									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
600.00	2.00	173.54	599.98	-1.73	0.20	-0.20	2.00	2.00	0.00
700.00	4.00	173.54	699.84	-6.93	0.79	-0.79	2.00	2.00	0.00
800.00	6.00	173.54	799.45	-15.59	1.77	-1.79	2.00	2.00	0.00
882.13	7.64	173.54	881.00	-25.29	2.86	-2.90	2.00	2.00	0.00
<b>Queen</b>									
900.00	8.00	173.54	898.70	-27.70	3.14	-3.18	2.00	2.00	0.00
1,000.00	10.00	173.54	997.47	-43.25	4.90	-4.96	2.00	2.00	0.00
1,100.00	12.00	173.54	1,095.62	-62.21	7.04	-7.13	2.00	2.00	0.00
1,203.96	14.08	173.54	1,196.90	-85.51	9.68	-9.80	2.00	2.00	0.00
<b>Start 1223.75 hold at 1203.96 MD</b>									
1,254.58	14.08	173.54	1,246.00	-97.75	11.07	-11.21	0.00	0.00	0.00
<b>Grayburg</b>									
1,300.00	14.08	173.54	1,290.05	-108.73	12.31	-12.46	0.00	0.00	0.00
1,400.00	14.08	173.54	1,387.05	-132.90	15.05	-15.24	0.00	0.00	0.00
1,500.00	14.08	173.54	1,484.04	-157.07	17.79	-18.01	0.00	0.00	0.00
1,546.35	14.08	173.54	1,529.00	-168.27	19.06	-19.29	0.00	0.00	0.00
<b>San Andres</b>									
1,600.00	14.08	173.54	1,581.04	-181.24	20.52	-20.78	0.00	0.00	0.00
1,700.00	14.08	173.54	1,678.04	-205.41	23.26	-23.55	0.00	0.00	0.00
1,800.00	14.08	173.54	1,775.03	-229.58	26.00	-26.32	0.00	0.00	0.00
1,900.00	14.08	173.54	1,872.03	-253.76	28.74	-29.09	0.00	0.00	0.00
2,000.00	14.08	173.54	1,969.02	-277.93	31.47	-31.86	0.00	0.00	0.00
2,100.00	14.08	173.54	2,066.02	-302.10	34.21	-34.63	0.00	0.00	0.00
2,200.00	14.08	173.54	2,163.02	-326.27	36.95	-37.40	0.00	0.00	0.00
2,300.00	14.08	173.54	2,260.01	-350.44	39.69	-40.18	0.00	0.00	0.00
2,400.00	14.08	173.54	2,357.01	-374.62	42.42	-42.95	0.00	0.00	0.00
2,427.71	14.08	173.54	2,383.89	-381.31	43.18	-43.71	0.00	0.00	0.00
<b>KOP Start DLS 8.00 TFO 104.18</b>									
2,450.00	13.75	180.83	2,405.52	-386.66	43.45	-43.99	8.00	-1.48	32.72
2,500.00	13.83	197.67	2,454.10	-398.29	41.55	-42.10	8.00	0.15	33.68
2,550.00	14.99	213.11	2,502.55	-409.41	36.20	-36.77	8.00	2.33	30.88
2,600.00	17.02	225.66	2,550.62	-419.94	27.43	-28.02	8.00	4.06	25.11
2,650.00	19.64	235.29	2,598.09	-429.84	15.29	-15.89	8.00	5.25	19.26
2,700.00	22.66	242.59	2,644.73	-439.07	-0.18	-0.43	8.00	6.04	14.60
2,750.00	25.93	248.19	2,690.30	-447.56	-18.89	18.26	8.00	6.55	11.21
2,800.00	29.37	252.59	2,734.58	-455.30	-40.75	40.11	8.00	6.88	8.80
2,850.00	32.93	256.13	2,777.37	-462.23	-65.65	65.01	8.00	7.12	7.07
2,900.00	36.57	259.04	2,818.45	-468.32	-93.49	92.83	8.00	7.28	5.82
2,950.00	40.27	261.49	2,857.61	-473.54	-124.11	123.44	8.00	7.40	4.90
2,965.05	41.40	262.15	2,869.00	-474.94	-133.85	133.18	8.00	7.46	4.41
<b>Glorieta</b>									
3,000.00	44.02	263.59	2,894.68	-477.88	-157.37	156.70	8.00	7.50	4.11
3,050.00	47.80	265.42	2,929.47	-481.30	-193.10	192.43	8.00	7.56	3.66
3,078.17	49.94	266.36	2,948.00	-482.82	-214.27	213.59	8.00	7.60	3.33

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
<b>Paddock</b>										
3,100.00	51.60	267.04	2,961.80	-483.79	-231.15	230.47	8.00	7.62	3.15	
3,150.00	55.42	268.51	2,991.53	-485.34	-271.30	270.63	8.00	7.65	2.92	
3,200.00	59.26	269.84	3,018.51	-485.93	-313.39	312.71	8.00	7.68	2.66	
3,209.58	60.00	270.08	3,023.35	-485.94	-321.65	320.97	8.00	7.70	2.53	
<b>60DEG Start 200.00 hold at 3209.58 MD</b>										
3,300.00	60.00	270.08	3,068.56	-485.83	-399.96	399.28	0.00	0.00	0.00	
3,400.88	60.00	270.08	3,119.00	-485.71	-487.32	486.64	0.00	0.00	0.00	
<b>Lower Paddock</b>										
3,409.58	60.00	270.08	3,123.35	-485.70	-494.85	494.18	0.00	0.00	0.00	
<b>Start DLS 10.00 TFO 0.00</b>										
3,450.00	64.04	270.08	3,142.31	-485.65	-530.55	529.87	10.00	10.00	0.00	
3,500.00	69.04	270.08	3,162.21	-485.58	-576.40	575.72	10.00	10.00	0.00	
3,550.00	74.04	270.08	3,178.03	-485.52	-623.81	623.13	10.00	10.00	0.00	
3,600.00	79.04	270.08	3,189.67	-485.45	-672.42	671.75	10.00	10.00	0.00	
3,650.00	84.04	270.08	3,197.02	-485.38	-721.86	721.19	10.00	10.00	0.00	
3,700.00	89.04	270.08	3,200.03	-485.31	-771.76	771.08	10.00	10.00	0.00	
3,713.65	90.41	270.08	3,200.10	-485.29	-785.41	784.73	10.00	10.00	0.00	
<b>Target</b>										
3,716.08	90.65	270.08	3,200.07	-485.29	-787.83	787.15	10.00	10.00	0.00	
<b>FTP Start 4954.58 hold at 3716.08 MD</b>										
3,800.00	90.65	270.08	3,199.12	-485.17	-871.75	871.07	0.00	0.00	0.00	
3,900.00	90.65	270.08	3,197.99	-485.03	-971.74	971.07	0.00	0.00	0.00	
4,000.00	90.65	270.08	3,196.85	-484.89	-1,071.74	1,071.06	0.00	0.00	0.00	
4,100.00	90.65	270.08	3,195.72	-484.75	-1,171.73	1,171.05	0.00	0.00	0.00	
4,200.00	90.65	270.08	3,194.59	-484.61	-1,271.72	1,271.05	0.00	0.00	0.00	
4,300.00	90.65	270.08	3,193.45	-484.47	-1,371.72	1,371.04	0.00	0.00	0.00	
4,400.00	90.65	270.08	3,192.32	-484.33	-1,471.71	1,471.03	0.00	0.00	0.00	
4,500.00	90.65	270.08	3,191.18	-484.19	-1,571.71	1,571.03	0.00	0.00	0.00	
4,600.00	90.65	270.08	3,190.05	-484.05	-1,671.70	1,671.02	0.00	0.00	0.00	
4,700.00	90.65	270.08	3,188.91	-483.92	-1,771.69	1,771.01	0.00	0.00	0.00	
4,800.00	90.65	270.08	3,187.78	-483.78	-1,871.69	1,871.01	0.00	0.00	0.00	
4,900.00	90.65	270.08	3,186.64	-483.64	-1,971.68	1,971.00	0.00	0.00	0.00	
5,000.00	90.65	270.08	3,185.51	-483.50	-2,071.67	2,071.00	0.00	0.00	0.00	
5,100.00	90.65	270.08	3,184.38	-483.36	-2,171.67	2,170.99	0.00	0.00	0.00	
5,200.00	90.65	270.08	3,183.24	-483.22	-2,271.66	2,270.98	0.00	0.00	0.00	
5,300.00	90.65	270.08	3,182.11	-483.08	-2,371.65	2,370.98	0.00	0.00	0.00	
5,400.00	90.65	270.08	3,180.97	-482.94	-2,471.65	2,470.97	0.00	0.00	0.00	
5,500.00	90.65	270.08	3,179.84	-482.80	-2,571.64	2,570.96	0.00	0.00	0.00	
5,600.00	90.65	270.08	3,178.70	-482.66	-2,671.63	2,670.96	0.00	0.00	0.00	
5,700.00	90.65	270.08	3,177.57	-482.52	-2,771.63	2,770.95	0.00	0.00	0.00	
5,800.00	90.65	270.08	3,176.43	-482.38	-2,871.62	2,870.94	0.00	0.00	0.00	
5,900.00	90.65	270.08	3,175.30	-482.24	-2,971.61	2,970.94	0.00	0.00	0.00	
6,000.00	90.65	270.08	3,174.17	-482.10	-3,071.61	3,070.93	0.00	0.00	0.00	
6,100.00	90.65	270.08	3,173.03	-481.96	-3,171.60	3,170.92	0.00	0.00	0.00	
6,200.00	90.65	270.08	3,171.90	-481.82	-3,271.59	3,270.92	0.00	0.00	0.00	
6,300.00	90.65	270.08	3,170.76	-481.68	-3,371.59	3,370.91	0.00	0.00	0.00	
6,400.00	90.65	270.08	3,169.63	-481.54	-3,471.58	3,470.91	0.00	0.00	0.00	
6,500.00	90.65	270.08	3,168.49	-481.40	-3,571.57	3,570.90	0.00	0.00	0.00	
6,600.00	90.65	270.08	3,167.36	-481.26	-3,671.57	3,670.89	0.00	0.00	0.00	
6,700.00	90.65	270.08	3,166.22	-481.12	-3,771.56	3,770.89	0.00	0.00	0.00	
6,800.00	90.65	270.08	3,165.09	-480.98	-3,871.56	3,870.88	0.00	0.00	0.00	
6,900.00	90.65	270.08	3,163.96	-480.84	-3,971.55	3,970.87	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
7,000.00	90.65	270.08	3,162.82	-480.70	-4,071.54	4,070.87	0.00	0.00	0.00	
7,100.00	90.65	270.08	3,161.69	-480.56	-4,171.54	4,170.86	0.00	0.00	0.00	
7,200.00	90.65	270.08	3,160.55	-480.42	-4,271.53	4,270.85	0.00	0.00	0.00	
7,300.00	90.65	270.08	3,159.42	-480.28	-4,371.52	4,370.85	0.00	0.00	0.00	
7,400.00	90.65	270.08	3,158.28	-480.14	-4,471.52	4,470.84	0.00	0.00	0.00	
7,500.00	90.65	270.08	3,157.15	-480.01	-4,571.51	4,570.83	0.00	0.00	0.00	
7,600.00	90.65	270.08	3,156.02	-479.87	-4,671.50	4,670.83	0.00	0.00	0.00	
7,700.00	90.65	270.08	3,154.88	-479.73	-4,771.50	4,770.82	0.00	0.00	0.00	
7,800.00	90.65	270.08	3,153.75	-479.59	-4,871.49	4,870.82	0.00	0.00	0.00	
7,900.00	90.65	270.08	3,152.61	-479.45	-4,971.48	4,970.81	0.00	0.00	0.00	
8,000.00	90.65	270.08	3,151.48	-479.31	-5,071.48	5,070.80	0.00	0.00	0.00	
8,100.00	90.65	270.08	3,150.34	-479.17	-5,171.47	5,170.80	0.00	0.00	0.00	
8,200.00	90.65	270.08	3,149.21	-479.03	-5,271.46	5,270.79	0.00	0.00	0.00	
8,300.00	90.65	270.08	3,148.07	-478.89	-5,371.46	5,370.78	0.00	0.00	0.00	
8,400.00	90.65	270.08	3,146.94	-478.75	-5,471.45	5,470.78	0.00	0.00	0.00	
8,500.00	90.65	270.08	3,145.81	-478.61	-5,571.44	5,570.77	0.00	0.00	0.00	
8,600.00	90.65	270.08	3,144.67	-478.47	-5,671.44	5,670.76	0.00	0.00	0.00	
8,670.65	90.65	270.08	3,143.87	-478.37	-5,742.09	5,741.41	0.00	0.00	0.00	
<b>LTP Start 90.06 hold at 8670.65 MD</b>										
8,700.00	90.65	270.08	3,143.54	-478.33	-5,771.43	5,770.76	0.00	0.00	0.00	
8,760.72	90.65	270.08	3,142.85	-478.24	-5,832.15	5,831.47	0.00	0.00	0.00	
<b>PBHL TD at 8760.72</b>										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Eagle33 8H SHL 1836F1 - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	652,205.32	559,941.96	32.7929293	-104.2727898	
Eagle33 8H 60DEG - plan hits target center - Point	0.00	0.00	3,023.35	-485.94	-321.65	651,719.38	559,620.31	32.7915941	-104.2738374	
Eagle33 8H PBHL 2310I - plan misses target center by 0.19usft at 8760.72usft MD (3142.85 TVD, -478.24 N, -5832.15 E) - Point	0.00	0.00	3,142.85	-478.05	-5,832.15	651,727.27	554,109.82	32.7916230	-104.2917696	
Eagle33 8H LTP 2310F1 - plan misses target center by 0.20usft at 8670.65usft MD (3143.87 TVD, -478.37 N, -5742.09 E) - Point	0.00	0.00	3,143.87	-478.17	-5,742.09	651,727.15	554,199.88	32.7916226	-104.2914766	
Eagle33 8H FTP 2310F1 - plan misses target center by 0.01usft at 3716.16usft MD (3200.07 TVD, -485.29 N, -787.92 E) - Point	0.00	0.00	3,200.07	-485.28	-787.92	651,720.04	559,154.05	32.7915966	-104.2753547	

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Eagle 33 Federal Com 8H
<b>Company:</b>	RILEY PERMIAN OPERATING CO., LLC	<b>TVD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Project:</b>	Eddy County, NM (NAD83) NMEZ Grid	<b>MD Reference:</b>	3526+23 @ 3549.00usft (gl+kb Akita)
<b>Site:</b>	Eagle 33 Federal Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Eagle 33 Federal Com 8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	8H		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
458.00	458.00	Seven Rivers		0.00		
882.13	881.00	Queen		0.00		
1,254.58	1,246.00	Grayburg		0.00		
1,546.35	1,529.00	San Andres		0.00		
2,965.05	2,869.00	Glorieta		0.00		
3,078.17	2,948.00	Paddock		0.00		
3,400.88	3,119.00	Lower Paddock		0.00		
3,713.65	3,200.10	Target		-0.65	270.08	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.00	500.00	0.00	0.00	Start Build 2.00	
1,203.96	1,196.90	-85.51	9.68	Start 1223.75 hold at 1203.96 MD	
2,427.71	2,383.89	-381.31	43.18	KOP Start DLS 8.00 TFO 104.18	
3,209.58	3,023.35	-485.94	-321.65	60DEG Start 200.00 hold at 3209.58 MD	
3,409.58	3,123.35	-485.70	-494.85	Start DLS 10.00 TFO 0.00	
3,716.08	3,200.07	-485.29	-787.83	FTP Start 4954.58 hold at 3716.08 MD	
8,670.65	3,143.87	-478.37	-5,742.09	LTP Start 90.06 hold at 8670.65 MD	
8,760.72	3,142.85	-478.24	-5,832.15	PBHL TD at 8760.72	

# RILEY PERMIAN OPERATING CO., LLC PRELIMINARY PLAN

Project: Eddy County, NM (NAD83) NMEZ Grid  
 Site: Eagle 33 Federal Com  
 Well: Eagle 33 Federal Com 8H  
 Wellbore: 8H  
 Design: Plan #1

3526+23 @ 3549.00usft (gl+kb Akita)  
 GL+KB

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	D/leg	T/Fac	V/Sect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	Start 1223.75 hold at 1203.96 MD
3	1203.96	14.08	173.54	1196.90	-85.51	9.68	2.00	173.54	-9.80	KOP Start DLS 8.00 TFO 104.18
4	2427.71	14.08	173.54	2383.89	-381.31	43.18	0.00	0.00	-43.71	60DEG Start 200.00 hold at 3209.58 MD
5	3209.58	60.00	270.08	3023.35	-485.94	-321.65	8.00	104.18	320.97	Start DLS 10.00 TFO 0.00
6	3409.58	60.00	270.08	3123.35	-485.70	-494.85	0.00	0.00	494.18	FTP Start 4954.58 hold at 3716.08 MD
7	3716.08	90.65	270.08	3200.07	-485.29	-787.83	10.00	0.00	787.15	LTP Start 90.06 hold at 8670.65 MD
8	8670.65	90.65	270.08	3143.87	-478.37	-5742.09	0.00	0.00	5741.41	PBHL TD at 8760.72
9	8760.72	90.65	270.08	3142.85	-478.24	-5832.15	0.00	0.00	5831.47	

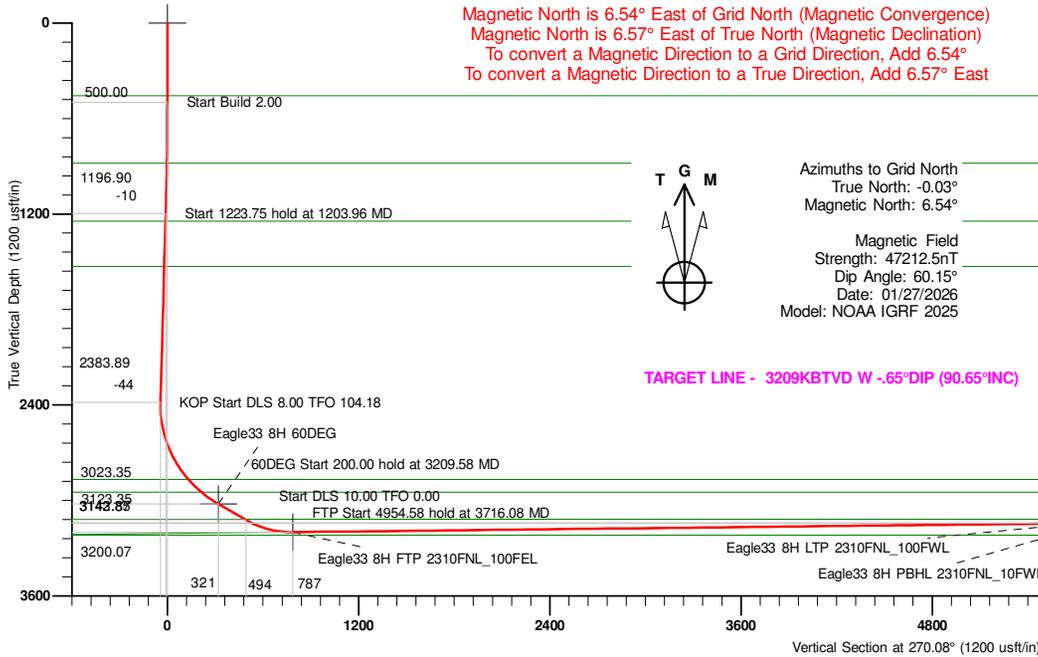
DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Eagle33 8H SHL 1836FNL_688FWL	0.00	0.00	0.00	652205.32	559941.96	32.7929292	-104.2727898
Eagle33 8H 60DEG	3023.35	-485.94	-321.65	651719.38	559620.31	32.7915941	-104.2738374
Eagle33 8H PBHL 2310FNL_10FWL	3142.85	-478.05	-5832.15	651727.27	554109.81	32.7916230	-104.2917697
Eagle33 8H LTP 2310FNL_100FWL	3143.87	-478.17	-5742.09	651727.15	554199.87	32.7916225	-104.2914766
Eagle33 8H FTP 2310FNL_100FEL	3200.07	-485.28	-787.91	651720.04	559154.05	32.7915966	-104.2753548

Magnetic North is 6.54° East of Grid North (Magnetic Convergence)  
 Magnetic North is 6.57° East of True North (Magnetic Declination)  
 To convert a Magnetic Direction to a Grid Direction, Add 6.54°  
 To convert a Magnetic Direction to a True Direction, Add 6.57° East

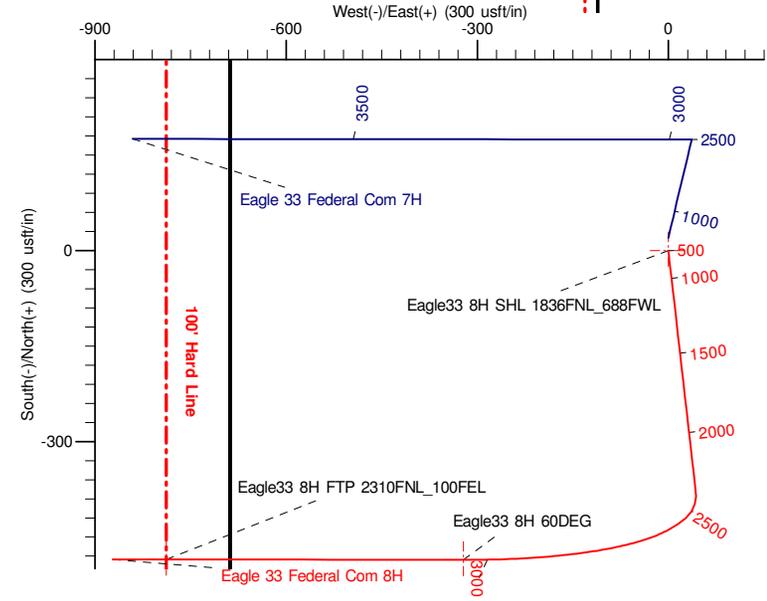
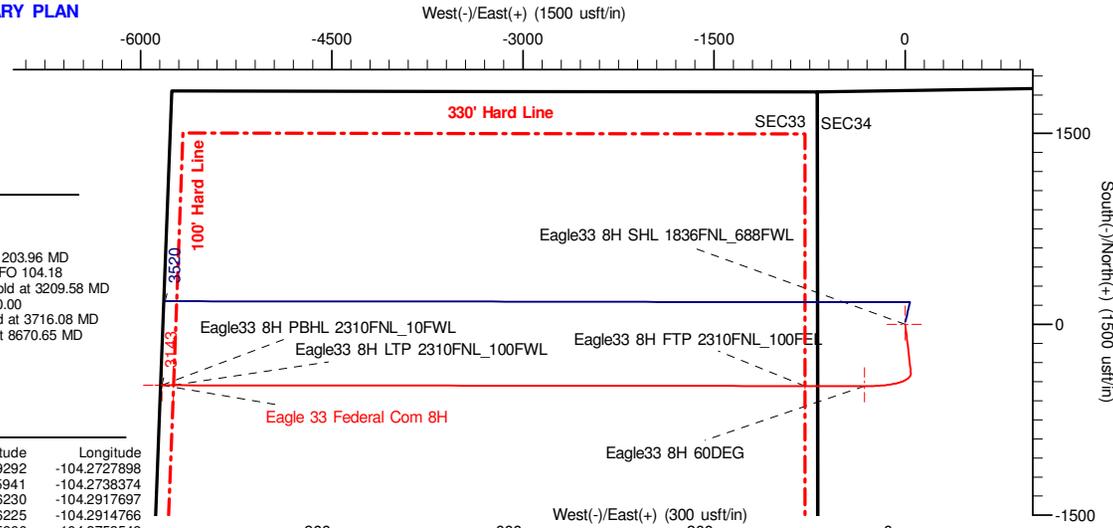


Azimuths to Grid North  
 True North: -0.03°  
 Magnetic North: 6.54°  
 Magnetic Field  
 Strength: 47212.5nT  
 Dip Angle: 60.15°  
 Date: 01/27/2026  
 Model: NOAA IGRF 2025

TARGET LINE - 3209KBTVD W -.65°DIP (90.65°INC)



Vertical Section at 270.08° (1200 usft/in)



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 550672

**CONDITIONS**

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 550672
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	2/18/2026