Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-54438

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: The Horned Frog

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

8. Well Number 1H

2. Name of Operator: Riley Permian Operating Company, LLC

9. OGRID Number 372290

3. Address of Operator: 29 E Reno Ave, Suite 500, Oklahoma City, OK. 73104

10. Pool name or Wildcat: Atoka; Glorieta-Yes

4. Well Location
Unit Letter 1 : 1236 feet from the North line and 852 feet from the West line
Section 19 Township 18S Range 27E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3288 Ground Level

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Riley Permian respectfully requests a lateral change to The Horned Frog 1H. Please see attached documents.

Spud Date: 4/11/2026 Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Sr. Regulatory Specialist DATE 2/26/2026

Type or print name Alex Rizzo E-mail address: alexrizzo@rileypermian.com PHONE: 918-839-2995

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

Property Name and Well Number: **THE HORNED FROG 1H**

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-54438	3250	ATOKA; GLORIETTA-YESO

Property Code	Property Name	Well Number
335042	THE HORNED FROG	1H

OGRID No.	Operator Name	Ground Level Elevation
372290	RILEY PERMIAN OPERATING COMPANY LLC	3288'

Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal — Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
1	19	18 S	27 E		1236 FNL	852 FWL	N 32.737217°	W 104.324094°	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
D	24	18 S	26 E		350 FNL	10 FWL	N 32.739626°	W 104.343871°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
320	N/A	N/A	N	F

Order Numbers: R-23931 — Well Setbacks are under Common Ownership: ☒ Yes ☐ 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
1	19	18 S	27 E		1176 FNL	818 FWL	N 32.737382°	W 104.324207°	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
A	24	18 S	26 E		350 FNL	100 FEL	N 32.739668°	W 104.327188°	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
D	24	18 S	26 E		350 FNL	100 FWL	N 32.739627°	W 104.343578°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unity Type	Ground Floor Elevation
	☒ Horizontal ☐ Vertical	3313'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature — Date: 2/26/2026

Alex Rizzo
Print Name

alexrizzo@rileypermian.com
E-mail Address

SURVEYORS CERTIFICATION

MITCHELL L. McDONALD — NEW MEXICO — 29821 — PROFESSIONAL SURVEYOR — 02/26/2026

Signature and Seal of Professional Surveyor — Date

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.

MITCHELL L. MCDONALD, N.M. P.L.S.

Certificate Number	Date of Survey
29821	JANUARY 31, 2026

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.

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

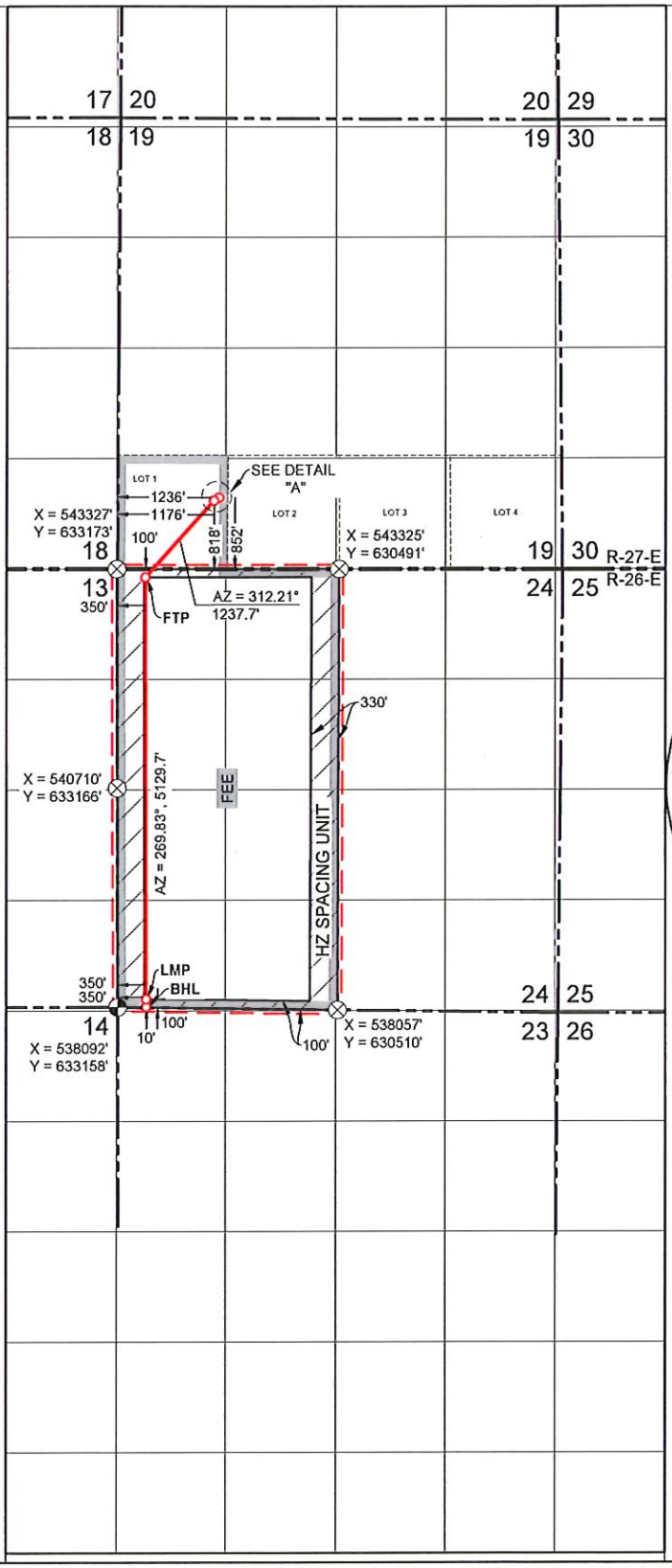
Property Name and Well Number

THE HORNED FROG 1H

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=544178' Y=631931'
LAT=N32.737217°
LONG=W104.324094°
NAD 1927
X=502999' Y=631869'
LAT=N32.737103°
LONG=W104.323579°
1236' FNL 852' FWL

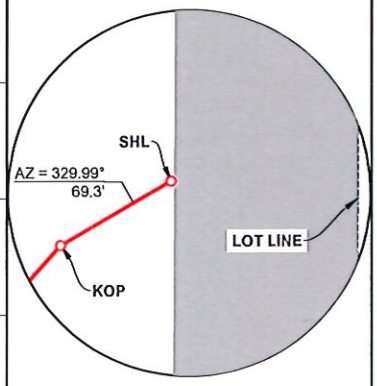
KOP LOCATION
NEW MEXICO EAST
NAD 1983
X=544144' Y=631991'
LAT=N32.737382°
LONG=W104.324207°
NAD 1927
X=502965' Y=631929'
LAT=N32.737268°
LONG=W104.323691°
1176' FNL 818' FWL

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=543227' Y=632823'
LAT=N32.739668°
LONG=W104.327188°
NAD 1927
X=502048' Y=632761'
LAT=N32.739554°
LONG=W104.326673°
350' FNL 100' FEL



LOWER MOST PERF.
NEW MEXICO EAST
NAD 1983
X=538187' Y=632808'
LAT=N32.739627°
LONG=W104.343578°
NAD 1927
X=497008' Y=632746'
LAT=N32.739512°
LONG=W104.343062°
350' FNL 100' FWL

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=538097' Y=632808'
LAT=N32.739626°
LONG=W104.343871°
NAD 1927
X=496918' Y=632745'
LAT=N32.739512°
LONG=W104.343355°
350' FNL 10' FWL



DETAIL "A"
N.T.S.

Note: Bearings, coordinates, and distances (grid) shown hereon are based on the New Mexico State Plane Coordinate System, East Zone, NAD 83-2011 (EPOCH 2010) framework, as derived by OPUS Solution. The elevations shown hereon are based on NAVD 88.

Riley Permian

Eddy County, New Mexico (NAD83)
The Horned Frog
The Horned Frog 1H

Wellbore #1
Design #1

Anticollision Report

19 February, 2026

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Reference Design #1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.00 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 2/19/2026

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	9,401.12	Design #1 (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Horned Frog/Maverick Offsets						
McCall #1 - Wellbore #1 - Surveys						Out of range
McCall #2 - Wellbore #1 - Surveys						Out of range
McCall #2 (2) - Wellbore #1 - Surveys						Out of range
Terry Evans #1 - Wellbore #1 - Surveys	6,092.95	3,322.13	1,656.16	1,524.95	12.622	CC
Terry Evans #1 - Wellbore #1 - Surveys	6,100.00	3,321.95	1,656.17	1,524.87	12.613	ES
Terry Evans #1 - Wellbore #1 - Surveys	6,300.00	3,316.94	1,669.04	1,535.47	12.496	SF
The Aggie						
The Aggie 1H - Wellbore #1 - Design #1	3,988.83	4,163.93	26.54	6.76	1.342	Level 1, ES, SF
The Aggie 1H - Wellbore #1 - Design #1	4,000.00	4,153.97	25.94	7.41	1.400	Level 1, CC
The Aggie 2H - Wellbore #1 - Design #1	3,222.84	4,470.11	450.56	418.97	14.262	CC, ES
The Aggie 2H - Wellbore #1 - Design #1	3,400.00	4,389.48	482.60	445.62	13.050	SF
The Aggie 31H - Wellbore #1 - Design #1	3,100.00	4,178.91	167.55	126.62	4.094	SF
The Aggie 31H - Wellbore #1 - Design #1	3,200.00	4,142.77	139.27	105.69	4.148	ES
The Aggie 31H - Wellbore #1 - Design #1	3,211.29	4,138.41	138.90	106.87	4.336	CC
The Aggie 32H - Wellbore #1 - Design #1	2,921.57	4,357.79	777.04	739.62	20.768	CC, ES
The Aggie 32H - Wellbore #1 - Design #1	3,000.00	4,334.76	784.26	745.69	20.329	SF
The Aggie 3H - Wellbore #1 - Design #1	4,850.58	2,968.42	1,180.40	1,141.32	30.205	CC, ES
The Aggie 3H - Wellbore #1 - Design #1	5,100.00	2,950.00	1,203.67	1,163.00	29.595	SF
The Horned Frog						
The Horned Frog 2H - Wellbore #1 - Design #1	1,500.00	1,500.00	49.85	40.31	5.229	CC, ES
The Horned Frog 2H - Wellbore #1 - Design #1	9,402.11	9,127.04	971.13	693.39	3.497	SF
The Horned Frog 31H - Wellbore #1 - Design #1	1,500.00	1,500.00	24.74	15.21	2.595	CC, ES
The Horned Frog 31H - Wellbore #1 - Design #1	9,402.11	8,921.24	547.33	299.46	2.208	SF
The Horned Frog 32H - Wellbore #1 - Design #1	1,500.00	1,500.00	74.95	65.42	7.862	CC, ES
The Horned Frog 32H - Wellbore #1 - Design #1	9,402.11	9,019.40	1,470.34	1,196.78	5.375	SF
The Horned Frog 3H - Wellbore #1 - Design #1	1,500.00	1,500.00	99.69	90.16	10.457	CC, ES
The Horned Frog 3H - Wellbore #1 - Design #1	9,402.11	9,563.64	1,941.21	1,665.55	7.042	SF

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design Horned Frog/Maverick Offsets - Terry Evans #1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 136-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,200.00	3,396.22	3,369.94	3,390.78	23.91	70.24	-90.98	-769.78	-2,769.43	2,462.84	2,369.25	93.59	26.315	
4,300.00	3,393.57	3,367.34	3,388.18	25.87	70.19	-90.99	-769.77	-2,769.43	2,402.56	2,307.17	95.39	25.186	
4,400.00	3,390.93	3,364.74	3,385.59	27.87	70.13	-90.99	-769.77	-2,769.43	2,342.15	2,244.91	97.24	24.085	
4,500.00	3,388.28	3,362.16	3,383.01	29.87	70.08	-90.99	-769.76	-2,769.43	2,281.66	2,182.53	99.13	23.016	
4,600.00	3,385.64	3,359.60	3,380.44	31.90	70.02	-90.98	-769.75	-2,769.43	2,221.17	2,120.11	101.06	21.979	
4,700.00	3,383.00	3,357.05	3,377.89	33.92	69.97	-90.97	-769.74	-2,769.43	2,160.76	2,057.74	103.02	20.974	
4,800.00	3,380.37	3,354.52	3,375.36	35.95	69.91	-90.96	-769.73	-2,769.43	2,100.50	1,995.49	105.00	20.004	
4,900.00	3,377.76	3,352.01	3,372.86	37.97	69.86	-90.91	-769.73	-2,769.43	2,040.85	1,933.84	107.01	19.072	
5,000.00	3,375.14	3,349.51	3,370.35	40.02	69.81	-90.82	-769.72	-2,769.43	1,984.09	1,875.01	109.08	18.189	
5,100.00	3,372.53	3,347.00	3,367.85	42.09	69.75	-90.74	-769.71	-2,769.43	1,930.85	1,819.62	111.23	17.360	
5,200.00	3,369.92	3,344.50	3,365.34	44.19	69.70	-90.65	-769.70	-2,769.43	1,881.41	1,767.99	113.42	16.588	
5,300.00	3,367.30	3,341.99	3,362.84	46.31	69.65	-90.56	-769.70	-2,769.43	1,836.09	1,720.45	115.64	15.877	
5,400.00	3,364.69	3,339.49	3,360.33	48.45	69.60	-90.48	-769.69	-2,769.43	1,795.20	1,677.32	117.88	15.229	
5,500.00	3,362.07	3,336.98	3,357.83	50.61	69.54	-90.39	-769.68	-2,769.43	1,759.04	1,638.94	120.10	14.647	
5,600.00	3,359.46	3,334.48	3,355.32	52.78	69.49	-90.30	-769.68	-2,769.43	1,727.92	1,605.65	122.27	14.132	
5,700.00	3,356.85	3,331.97	3,352.81	54.97	69.44	-90.22	-769.67	-2,769.43	1,702.11	1,577.75	124.36	13.687	
5,800.00	3,354.23	3,329.47	3,350.31	57.17	69.38	-90.13	-769.67	-2,769.43	1,681.85	1,555.51	126.34	13.312	
5,900.00	3,351.62	3,326.96	3,347.80	59.37	69.33	-90.04	-769.66	-2,769.43	1,667.35	1,539.18	128.18	13.008	
6,000.00	3,349.00	3,324.46	3,345.30	61.59	69.28	-89.96	-769.65	-2,769.43	1,658.76	1,528.92	129.84	12.776	
6,092.95	3,346.57	3,322.13	3,342.97	63.65	69.23	-89.88	-769.65	-2,769.43	1,656.16	1,524.95	131.21	12.622	CC
6,100.00	3,346.39	3,321.95	3,342.79	63.81	69.22	-89.87	-769.65	-2,769.43	1,656.17	1,524.87	131.30	12.613	ES
6,200.00	3,343.78	3,319.44	3,340.29	66.04	69.17	-89.78	-769.64	-2,769.43	1,659.61	1,527.06	132.55	12.521	
6,300.00	3,341.16	3,316.94	3,337.78	68.28	69.12	-89.70	-769.64	-2,769.43	1,669.04	1,535.47	133.57	12.496	SF
6,400.00	3,338.55	3,314.43	3,335.28	70.53	69.06	-89.61	-769.63	-2,769.43	1,684.36	1,550.01	134.35	12.537	
6,500.00	3,335.93	3,311.93	3,332.77	72.78	69.01	-89.52	-769.63	-2,769.43	1,705.42	1,570.51	134.91	12.642	
6,600.00	3,333.32	3,309.42	3,330.27	75.03	68.96	-89.44	-769.62	-2,769.43	1,731.99	1,596.75	135.24	12.807	
6,700.00	3,330.71	3,306.92	3,327.76	77.29	68.91	-89.35	-769.62	-2,769.43	1,763.84	1,628.47	135.37	13.030	
6,800.00	3,328.09	3,304.41	3,325.25	79.55	68.85	-89.26	-769.61	-2,769.43	1,800.68	1,665.37	135.31	13.307	
6,900.00	3,325.48	3,301.90	3,322.75	81.82	68.80	-89.18	-769.61	-2,769.43	1,842.22	1,707.12	135.09	13.637	
7,000.00	3,322.86	3,299.40	3,320.24	84.09	68.75	-89.09	-769.61	-2,769.43	1,888.14	1,753.40	134.73	14.014	
7,100.00	3,320.25	3,296.89	3,317.74	86.37	68.69	-89.00	-769.60	-2,769.43	1,938.13	1,803.87	134.26	14.436	
7,200.00	3,317.64	3,294.39	3,315.23	88.64	68.64	-88.92	-769.60	-2,769.43	1,991.89	1,858.21	133.68	14.900	
7,300.00	3,315.02	3,291.88	3,312.72	90.92	68.59	-88.83	-769.60	-2,769.43	2,049.11	1,916.09	133.03	15.404	
7,400.00	3,312.41	3,289.37	3,310.22	93.21	68.53	-88.74	-769.59	-2,769.43	2,109.53	1,977.21	132.32	15.943	
7,500.00	3,309.79	3,286.87	3,307.71	95.49	68.48	-88.66	-769.59	-2,769.43	2,172.87	2,041.31	131.56	16.516	
7,600.00	3,307.18	3,284.36	3,305.21	97.78	68.43	-88.57	-769.59	-2,769.43	2,238.88	2,108.10	130.77	17.120	
7,700.00	3,304.57	3,281.86	3,302.70	100.07	68.38	-88.48	-769.58	-2,769.43	2,307.33	2,177.37	129.97	17.753	
7,800.00	3,301.95	3,279.35	3,300.19	102.36	68.32	-88.40	-769.58	-2,769.43	2,378.02	2,248.87	129.15	18.413	
7,900.00	3,299.34	3,276.84	3,297.69	104.65	68.27	-88.31	-769.58	-2,769.43	2,450.74	2,322.41	128.33	19.097	

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

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 1H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	-90.50	-13.93	-1,608.59	1,608.65				
100.00	100.00	101.00	100.00	0.92	0.93	-90.50	-13.93	-1,608.59	1,608.65	1,606.79	1.85	867.465	
200.00	200.00	201.00	200.00	1.53	1.53	-90.50	-13.93	-1,608.59	1,608.65	1,605.59	3.06	526.247	
300.00	300.00	301.00	300.00	1.95	1.96	-90.50	-13.93	-1,608.59	1,608.65	1,604.73	3.91	411.254	
400.00	400.00	401.00	400.00	2.31	2.31	-90.50	-13.93	-1,608.59	1,608.65	1,604.03	4.62	348.480	
500.00	500.00	501.00	500.00	2.61	2.62	-90.50	-13.93	-1,608.59	1,608.65	1,603.41	5.23	307.479	
600.00	600.00	601.00	600.00	2.89	2.89	-90.50	-13.93	-1,608.59	1,608.65	1,602.86	5.79	277.990	
700.00	700.00	701.00	700.00	3.15	3.15	-90.50	-13.93	-1,608.59	1,608.65	1,602.35	6.30	255.457	
800.00	800.00	801.00	800.00	3.39	3.39	-90.50	-13.93	-1,608.59	1,608.65	1,601.87	6.77	237.504	
900.00	900.00	901.00	900.00	3.61	3.61	-90.50	-13.93	-1,608.59	1,608.65	1,601.42	7.22	222.758	
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-90.50	-13.93	-1,608.59	1,608.65	1,601.00	7.65	210.361	
1,100.00	1,100.00	1,101.00	1,100.00	4.03	4.03	-90.50	-13.93	-1,608.59	1,608.65	1,600.59	8.05	199.746	
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.22	-90.50	-13.93	-1,608.59	1,608.65	1,600.20	8.44	190.519	
1,300.00	1,300.00	1,301.00	1,300.00	4.41	4.41	-90.50	-13.93	-1,608.59	1,608.65	1,599.83	8.82	182.401	
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.59	-90.50	-13.93	-1,608.59	1,608.65	1,599.46	9.18	175.184	
1,500.00	1,500.00	1,501.48	1,500.48	4.77	4.77	-90.50	-13.93	-1,608.59	1,608.65	1,599.11	9.54	168.688	
1,600.00	1,599.98	1,649.75	1,648.68	5.04	5.17	-60.50	-10.72	-1,606.34	1,606.25	1,596.23	10.03	160.178	
1,700.00	1,699.84	1,765.87	1,764.55	5.31	5.44	-60.58	-4.45	-1,601.95	1,599.80	1,589.37	10.43	153.378	
1,800.00	1,799.59	1,865.59	1,864.03	5.51	5.65	-60.59	1.25	-1,597.96	1,592.32	1,581.55	10.77	147.797	
1,900.00	1,899.35	1,965.31	1,963.50	5.73	5.87	-60.61	6.95	-1,593.97	1,584.84	1,573.72	11.12	142.475	
2,000.00	1,999.11	2,065.03	2,062.98	5.95	6.11	-60.62	12.65	-1,589.98	1,577.36	1,565.88	11.48	137.400	
2,100.00	2,098.86	4,757.84	3,392.28	6.19	34.75	27.41	858.50	-97.28	1,537.98	1,513.82	24.16	63.660	
2,200.00	2,198.62	4,757.11	3,392.26	6.45	34.73	27.36	858.46	-98.01	1,451.47	1,426.49	24.98	58.110	
2,300.00	2,298.38	4,756.39	3,392.24	6.71	34.72	27.30	858.42	-98.73	1,366.80	1,340.89	25.91	52.756	
2,400.00	2,398.13	4,755.67	3,392.23	6.99	34.70	27.25	858.38	-99.45	1,284.34	1,257.37	26.96	47.631	
2,500.00	2,497.89	4,754.96	3,392.21	7.27	34.69	27.19	858.34	-100.16	1,204.53	1,176.37	28.16	42.773	
2,600.00	2,597.64	4,754.23	3,392.19	7.54	34.67	27.42	858.30	-100.88	1,127.93	1,098.43	29.50	38.230	
2,700.00	2,696.46	4,748.62	3,392.04	8.02	34.56	31.77	857.98	-106.49	1,050.58	1,019.64	30.93	33.962	
2,800.00	2,792.24	4,734.68	3,391.67	8.50	34.27	36.68	857.13	-120.40	969.44	937.26	32.18	30.124	
2,900.00	2,883.14	4,713.21	3,391.10	8.99	33.83	42.32	855.70	-141.81	885.03	851.81	33.22	26.638	
3,000.00	2,967.38	4,685.33	3,390.37	9.46	33.26	49.04	853.60	-169.60	797.77	763.72	34.05	23.428	
3,100.00	3,043.32	4,652.39	3,389.49	9.90	32.58	57.42	850.77	-202.40	708.07	673.41	34.65	20.433	
3,200.00	3,109.49	4,615.80	3,388.52	10.30	31.83	68.42	847.18	-238.81	616.34	581.33	35.01	17.605	
3,300.00	3,167.38	4,577.89	3,387.52	10.60	31.06	68.62	842.97	-276.47	523.47	488.27	35.21	14.868	
3,400.00	3,224.74	4,542.10	3,386.57	10.91	30.33	61.77	838.54	-311.97	431.05	395.40	35.65	12.093	
3,500.00	3,280.13	4,504.25	3,385.56	11.67	29.56	69.47	833.37	-349.45	340.64	304.31	36.33	9.376	
3,600.00	3,326.92	4,452.92	3,384.20	13.11	28.52	77.51	825.57	-400.17	256.04	219.04	37.00	6.920	
3,700.00	3,363.33	4,389.79	3,382.52	14.72	27.25	79.68	814.74	-462.33	179.04	141.39	37.66	4.755	
3,800.00	3,388.24	4,317.34	3,380.59	16.46	25.81	75.71	800.62	-533.37	111.00	72.75	38.25	2.902	
3,900.00	3,400.91	4,237.94	3,378.48	18.28	24.24	58.93	783.09	-610.78	53.96	16.47	37.50	1.439	Level 1
3,988.83	3,403.03	4,163.93	3,376.51	19.90	22.81	-0.55	764.82	-682.47	26.54	6.76	19.77	1.342	Level 1, ES, SF
4,000.00	3,401.48	4,153.97	3,376.25	20.11	22.61	-10.57	762.22	-692.08	25.94	7.41	18.53	1.400	Level 1, CC
4,100.00	3,398.85	4,070.00	3,374.02	21.98	21.01	-62.70	738.98	-772.73	63.86	32.53	31.32	2.039	
4,200.00	3,396.22	3,987.24	3,371.84	23.91	19.47	-74.68	713.76	-851.53	113.82	80.27	33.54	3.393	
4,300.00	3,393.57	3,905.60	3,369.69	25.87	17.98	-79.39	686.67	-928.51	164.72	130.68	34.04	4.839	
4,400.00	3,390.93	3,832.50	3,366.66	27.87	16.71	-81.40	659.99	-996.47	216.40	182.56	33.83	6.396	
4,500.00	3,388.28	3,768.88	3,358.81	29.87	15.61	-81.32	632.81	-1,053.42	271.87	238.85	33.02	8.234	
4,600.00	3,385.64	3,710.88	3,347.03	31.90	14.65	-80.38	604.86	-1,102.83	330.93	298.92	32.01	10.339	
4,700.00	3,383.00	3,650.00	3,330.04	33.92	13.68	-78.89	572.59	-1,151.54	393.31	362.16	31.16	12.623	
4,800.00	3,380.37	3,611.09	3,316.80	35.95	13.10	-77.94	550.56	-1,180.74	458.27	428.50	29.77	15.396	
4,900.00	3,377.76	3,568.65	3,300.30	37.97	12.48	-76.61	525.41	-1,210.67	526.17	497.55	28.62	18.383	
5,000.00	3,375.14	3,531.38	3,284.13	40.02	11.97	-75.21	502.48	-1,235.18	598.24	570.65	27.59	21.686	

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

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 1H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	3,372.53	3,500.00	3,269.34	42.09	11.56	-74.03	482.62	-1,254.46	674.08	647.43	26.65	25.296	
5,200.00	3,369.92	3,470.15	3,254.32	44.19	11.17	-72.91	463.34	-1,271.58	753.10	727.29	25.81	29.178	
5,300.00	3,367.30	3,450.00	3,243.67	46.31	11.03	-72.17	450.12	-1,282.45	834.83	809.74	25.09	33.270	
5,400.00	3,364.69	3,411.79	3,222.43	48.45	10.89	-70.78	424.69	-1,301.46	918.89	894.18	24.71	37.184	
5,500.00	3,362.07	3,389.35	3,209.56	50.61	10.81	-70.00	409.64	-1,312.00	1,004.42	980.18	24.24	41.433	
5,600.00	3,359.46	3,340.68	3,181.64	52.78	10.66	-68.49	376.98	-1,334.87	1,090.55	1,066.36	24.19	45.084	
5,700.00	3,356.85	3,292.01	3,153.73	54.97	10.52	-67.19	344.32	-1,357.74	1,176.86	1,152.69	24.17	48.686	
5,800.00	3,354.23	3,243.34	3,125.81	57.17	10.38	-66.06	311.66	-1,380.61	1,263.31	1,239.05	24.26	52.071	
5,900.00	3,351.62	3,200.00	3,100.87	59.37	10.25	-65.16	282.62	-1,400.94	1,349.92	1,325.60	24.32	55.518	
6,000.00	3,349.00	3,167.27	3,081.06	61.59	10.12	-64.45	261.28	-1,415.88	1,437.04	1,412.76	24.27	59.205	
6,100.00	3,346.39	3,136.70	3,061.50	63.81	10.01	-63.73	242.05	-1,429.35	1,524.77	1,500.56	24.21	62.971	
6,200.00	3,343.78	3,100.00	3,036.72	66.04	9.86	-62.81	219.87	-1,444.88	1,613.13	1,588.88	24.25	66.512	
6,300.00	3,341.16	3,081.29	3,023.57	68.28	9.78	-62.33	208.98	-1,452.51	1,702.02	1,677.93	24.09	70.657	
6,400.00	3,338.55	3,050.00	3,000.80	70.53	9.65	-61.48	191.40	-1,464.82	1,791.50	1,767.41	24.09	74.368	
6,500.00	3,335.93	3,032.83	2,987.91	72.78	9.57	-61.00	182.10	-1,471.33	1,881.49	1,857.54	23.95	78.557	
6,600.00	3,333.32	3,000.00	2,962.53	75.03	9.42	-60.07	165.05	-1,483.27	1,972.06	1,948.06	23.99	82.189	
6,700.00	3,330.71	3,000.00	2,962.53	77.29	9.42	-60.07	165.05	-1,483.27	2,063.04	2,039.34	23.71	87.025	
6,800.00	3,328.09	2,971.27	2,939.56	79.55	9.29	-59.23	150.91	-1,493.17	2,154.45	2,130.72	23.74	90.754	
6,900.00	3,325.48	2,950.00	2,922.12	81.82	9.19	-58.59	140.94	-1,500.15	2,246.35	2,222.65	23.70	94.793	
7,000.00	3,322.86	2,936.47	2,910.84	84.09	9.13	-58.18	134.83	-1,504.43	2,338.64	2,315.04	23.60	99.087	
7,100.00	3,320.25	2,920.68	2,897.50	86.37	9.05	-57.70	127.90	-1,509.28	2,431.32	2,407.78	23.54	103.297	

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 2H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	-91.91	-53.59	-1,609.20	1,610.09				
100.00	100.00	101.00	100.00	0.92	0.93	-91.91	-53.59	-1,609.20	1,610.09	1,608.23	1.85	868.242	
200.00	200.00	201.00	200.00	1.53	1.53	-91.91	-53.59	-1,609.20	1,610.09	1,607.03	3.06	526.719	
300.00	300.00	301.00	300.00	1.95	1.96	-91.91	-53.59	-1,609.20	1,610.09	1,606.18	3.91	411.623	
400.00	400.00	401.00	400.00	2.31	2.31	-91.91	-53.59	-1,609.20	1,610.09	1,605.47	4.62	348.792	
500.00	500.00	501.00	500.00	2.61	2.62	-91.91	-53.59	-1,609.20	1,610.09	1,604.86	5.23	307.755	
600.00	600.00	601.00	600.00	2.89	2.89	-91.91	-53.59	-1,609.20	1,610.09	1,604.30	5.79	278.240	
700.00	700.00	701.00	700.00	3.15	3.15	-91.91	-53.59	-1,609.20	1,610.09	1,603.79	6.30	255.686	
800.00	800.00	801.00	800.00	3.39	3.39	-91.91	-53.59	-1,609.20	1,610.09	1,603.32	6.77	237.717	
900.00	900.00	901.00	900.00	3.61	3.61	-91.91	-53.59	-1,609.20	1,610.09	1,602.87	7.22	222.958	
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-91.91	-53.59	-1,609.20	1,610.09	1,602.44	7.65	210.550	
1,100.00	1,100.00	1,101.00	1,100.00	4.03	4.03	-91.91	-53.59	-1,609.20	1,610.09	1,602.03	8.05	199.925	
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.22	-91.91	-53.59	-1,609.20	1,610.09	1,601.64	8.44	190.690	
1,300.00	1,300.00	1,301.00	1,300.00	4.41	4.41	-91.91	-53.59	-1,609.20	1,610.09	1,601.27	8.82	182.564	
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.59	-91.91	-53.59	-1,609.20	1,610.09	1,600.91	9.18	175.341	
1,500.00	1,500.00	1,501.00	1,500.00	4.77	4.77	-91.91	-53.59	-1,609.20	1,610.09	1,600.55	9.53	168.862	
1,600.00	1,599.98	1,600.98	1,599.98	5.04	4.94	-61.98	-53.59	-1,609.20	1,609.27	1,599.37	9.90	162.581	
1,700.00	1,699.84	1,700.84	1,699.84	5.31	5.11	-62.18	-53.59	-1,609.20	1,606.81	1,596.56	10.25	156.719	
1,800.00	1,799.59	1,800.59	1,799.59	5.51	5.27	-62.40	-53.59	-1,609.20	1,603.56	1,592.98	10.58	151.525	
1,900.00	1,899.35	4,636.13	3,456.68	5.73	34.41	-155.75	-3.00	-53.19	1,558.06	1,541.52	16.54	94.196	
2,000.00	1,999.11	4,634.74	3,456.64	5.95	34.38	-155.07	-2.88	-54.58	1,458.35	1,441.72	16.63	87.680	
2,100.00	2,098.86	4,633.34	3,456.61	6.19	34.35	-154.39	-2.76	-55.96	1,358.69	1,341.96	16.73	81.199	
2,200.00	2,198.62	4,631.95	3,456.57	6.45	34.32	-153.70	-2.64	-57.35	1,259.08	1,242.23	16.84	74.753	
2,300.00	2,298.38	4,630.56	3,456.53	6.71	34.29	-153.02	-2.52	-58.73	1,159.53	1,142.57	16.97	68.344	
2,400.00	2,398.13	4,629.17	3,456.50	6.99	34.25	-152.33	-2.40	-60.12	1,060.07	1,042.96	17.11	61.972	
2,500.00	2,497.89	4,627.78	3,456.46	7.27	34.22	-151.64	-2.28	-61.51	960.72	943.45	17.27	55.635	
2,600.00	2,597.64	4,626.37	3,456.42	7.54	34.19	-152.76	-2.15	-62.91	861.51	844.05	17.46	49.334	
2,700.00	2,696.46	4,620.45	3,456.27	8.02	34.06	-164.33	-1.64	-68.80	763.96	746.21	17.75	43.035	
2,800.00	2,792.24	4,606.65	3,455.91	8.50	33.74	-166.57	-0.44	-82.55	671.42	653.07	18.35	36.591	
2,900.00	2,883.14	4,585.24	3,455.35	8.99	33.26	-166.17	1.43	-103.87	587.93	568.27	19.66	29.907	
3,000.00	2,967.38	4,556.63	3,454.60	9.46	32.62	-164.32	3.92	-132.36	518.95	496.77	22.19	23.391	
3,100.00	3,043.32	4,521.38	3,453.68	9.90	31.82	-161.32	6.99	-167.46	471.24	445.15	26.09	18.061	
3,200.00	3,109.49	4,480.18	3,452.60	10.30	30.90	-157.11	10.58	-208.49	451.13	420.50	30.63	14.729	
3,222.84	3,123.29	4,470.11	3,452.34	10.36	30.67	-155.96	11.46	-218.52	450.56	418.97	31.59	14.262	CC, ES
3,300.00	3,167.38	4,434.95	3,451.42	10.60	29.89	-151.99	14.52	-253.54	458.26	423.85	34.41	13.319	
3,400.00	3,224.74	4,389.48	3,450.23	10.91	28.87	-146.93	18.48	-298.82	482.60	445.62	36.98	13.050	SF
3,500.00	3,280.13	4,340.43	3,448.95	11.67	27.78	-135.11	22.76	-347.66	520.85	482.59	38.25	13.616	
3,600.00	3,326.92	4,277.92	3,447.32	13.11	26.40	-120.75	28.20	-409.92	566.65	528.23	38.41	14.752	
3,700.00	3,363.33	4,203.10	3,445.36	14.72	24.75	-108.68	34.72	-484.42	613.11	575.13	37.98	16.142	
3,800.00	3,388.24	4,118.25	3,443.14	16.46	22.91	-99.93	42.11	-568.92	655.05	617.67	37.39	17.522	
3,900.00	3,400.91	4,042.93	3,441.17	18.28	21.28	-94.74	47.80	-643.99	690.03	652.90	37.13	18.585	
4,000.00	3,401.48	3,965.94	3,439.16	20.11	19.63	-92.72	51.59	-720.87	717.72	680.77	36.95	19.425	
4,100.00	3,398.85	3,888.78	3,437.14	21.98	17.99	-92.66	53.30	-797.98	742.80	705.91	36.88	20.138	
4,200.00	3,396.22	3,812.16	3,432.89	23.91	16.43	-92.45	52.83	-874.44	767.10	730.17	36.92	20.775	
4,300.00	3,393.57	3,737.79	3,419.87	25.87	14.96	-91.59	49.97	-947.56	790.78	753.76	37.02	21.363	
4,400.00	3,390.93	3,667.74	3,399.32	27.87	13.66	-90.24	45.13	-1,014.30	814.34	777.18	37.16	21.916	
4,500.00	3,388.28	3,600.00	3,372.10	29.87	12.50	-88.48	38.54	-1,075.94	838.51	801.22	37.29	22.484	
4,600.00	3,385.64	3,550.00	3,347.59	31.90	11.73	-86.95	32.52	-1,119.08	864.06	826.64	37.43	23.086	
4,700.00	3,383.00	3,479.63	3,308.03	33.92	10.77	-84.54	22.72	-1,176.43	891.39	853.91	37.48	23.786	
4,800.00	3,380.37	3,397.97	3,261.19	35.95	9.71	-81.83	11.10	-1,242.31	918.73	881.25	37.49	24.508	
4,900.00	3,377.76	3,316.00	3,214.17	37.97	8.75	-79.17	-0.56	-1,308.43	945.96	908.43	37.53	25.206	
5,000.00	3,375.14	3,250.00	3,173.88	40.02	8.29	-76.90	-9.63	-1,359.88	976.31	938.75	37.57	25.990	

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

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 2H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	3,372.53	3,200.00	3,140.25	42.09	8.15	-75.04	-16.05	-1,396.31	1,011.26	973.79	37.47	26.989	
5,200.00	3,369.92	3,150.00	3,104.12	44.19	8.00	-73.09	-22.05	-1,430.33	1,051.14	1,013.85	37.29	28.188	
5,300.00	3,367.30	3,113.73	3,076.45	46.31	7.88	-71.62	-26.12	-1,453.42	1,095.93	1,058.96	36.97	29.641	
5,400.00	3,364.69	3,077.37	3,047.56	48.45	7.77	-70.12	-29.95	-1,475.14	1,145.57	1,108.99	36.58	31.319	
5,500.00	3,362.07	3,050.00	3,025.09	50.61	7.68	-68.97	-32.67	-1,490.53	1,199.80	1,163.72	36.08	33.251	
5,600.00	3,359.46	3,016.82	2,997.08	52.78	7.58	-67.56	-35.75	-1,508.04	1,258.26	1,222.68	35.58	35.365	
5,700.00	3,356.85	3,000.00	2,982.56	54.97	7.52	-66.84	-37.23	-1,516.42	1,320.71	1,285.72	34.99	37.746	
5,800.00	3,354.23	2,968.92	2,955.25	57.17	7.42	-65.51	-39.80	-1,531.01	1,386.58	1,352.14	34.44	40.259	
5,900.00	3,351.62	2,950.00	2,938.31	59.37	7.36	-64.70	-41.27	-1,539.32	1,455.70	1,421.85	33.86	42.997	
6,000.00	3,349.00	2,930.40	2,920.54	61.59	7.30	-63.86	-42.70	-1,547.45	1,527.68	1,494.39	33.29	45.893	
6,100.00	3,346.39	2,900.00	2,892.54	63.81	7.21	-62.55	-44.76	-1,559.12	1,602.35	1,569.60	32.75	48.926	
6,200.00	3,343.78	2,900.00	2,892.54	66.04	7.21	-62.55	-44.76	-1,559.12	1,678.99	1,646.80	32.19	52.157	
6,300.00	3,341.16	2,900.00	2,892.54	68.28	7.21	-62.55	-44.76	-1,559.12	1,757.98	1,726.32	31.66	55.528	
6,400.00	3,338.55	2,872.80	2,867.09	70.53	7.12	-61.39	-46.42	-1,568.56	1,838.41	1,807.22	31.19	58.934	
6,500.00	3,335.93	2,850.00	2,845.49	72.78	7.05	-60.43	-47.69	-1,575.73	1,920.73	1,889.99	30.74	62.480	
6,600.00	3,333.32	2,850.00	2,845.49	75.03	7.05	-60.43	-47.69	-1,575.73	2,004.27	1,973.97	30.30	66.144	
6,700.00	3,330.71	2,850.00	2,845.49	77.29	7.05	-60.43	-47.69	-1,575.73	2,089.26	2,059.37	29.89	69.898	
6,800.00	3,328.09	2,832.16	2,828.42	79.55	7.00	-59.67	-48.60	-1,580.87	2,175.27	2,145.75	29.52	73.696	
6,900.00	3,325.48	2,823.83	2,820.41	81.82	6.97	-59.32	-48.99	-1,583.13	2,262.37	2,233.21	29.16	77.582	
7,000.00	3,322.86	2,800.00	2,797.37	84.09	6.90	-58.33	-50.04	-1,589.07	2,350.61	2,321.78	28.83	81.543	
7,100.00	3,320.25	2,800.00	2,797.37	86.37	6.90	-58.33	-50.04	-1,589.07	2,439.33	2,410.82	28.52	85.540	

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 31H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-91.21	-33.94	-1,608.89	1,609.25				
100.00	100.00	100.00	100.00	0.92	0.92	-91.21	-33.94	-1,608.89	1,609.25	1,607.40	1.85	870.617	
200.00	200.00	200.00	200.00	1.53	1.53	-91.21	-33.94	-1,608.89	1,609.25	1,606.20	3.05	527.182	
300.00	300.00	300.00	300.00	1.95	1.95	-91.21	-33.94	-1,608.89	1,609.25	1,605.34	3.91	411.779	
400.00	400.00	400.00	400.00	2.31	2.31	-91.21	-33.94	-1,608.89	1,609.25	1,604.64	4.61	348.843	
500.00	500.00	500.00	500.00	2.61	2.61	-91.21	-33.94	-1,608.89	1,609.25	1,604.02	5.23	307.758	
600.00	600.00	600.00	600.00	2.89	2.89	-91.21	-33.94	-1,608.89	1,609.25	1,603.47	5.78	278.217	
700.00	700.00	700.00	700.00	3.15	3.15	-91.21	-33.94	-1,608.89	1,609.25	1,602.95	6.29	255.649	
800.00	800.00	800.00	800.00	3.39	3.39	-91.21	-33.94	-1,608.89	1,609.25	1,602.48	6.77	237.672	
900.00	900.00	900.00	900.00	3.61	3.61	-91.21	-33.94	-1,608.89	1,609.25	1,602.03	7.22	222.908	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	-91.21	-33.94	-1,608.89	1,609.25	1,601.60	7.65	210.496	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	-91.21	-33.94	-1,608.89	1,609.25	1,601.20	8.05	199.869	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	-91.21	-33.94	-1,608.89	1,609.25	1,600.81	8.44	190.633	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	-91.21	-33.94	-1,608.89	1,609.25	1,600.43	8.82	182.507	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	-91.21	-33.94	-1,608.89	1,609.25	1,600.07	9.18	175.283	
1,500.00	1,500.00	4,276.67	3,016.47	4.77	34.55	-5.27	400.87	-36.98	1,568.99	1,550.70	18.29	85.779	
1,600.00	1,599.98	4,278.41	3,016.51	5.04	34.59	28.47	400.86	-35.24	1,472.15	1,453.51	18.64	78.984	
1,700.00	1,699.84	4,278.37	3,016.51	5.31	34.59	32.65	400.86	-35.28	1,374.96	1,355.97	18.99	72.391	
1,800.00	1,799.59	4,277.46	3,016.49	5.51	34.57	32.49	400.86	-36.19	1,277.82	1,258.46	19.37	65.972	
1,900.00	1,899.35	4,276.54	3,016.47	5.73	34.55	32.32	400.87	-37.11	1,181.16	1,161.35	19.81	59.625	
2,000.00	1,999.11	4,275.63	3,016.44	5.95	34.53	32.15	400.88	-38.02	1,085.11	1,064.76	20.34	53.341	
2,100.00	2,098.86	4,274.71	3,016.42	6.19	34.51	31.99	400.88	-38.94	989.83	968.84	21.00	47.142	
2,200.00	2,198.62	4,273.79	3,016.39	6.45	34.49	31.82	400.89	-39.85	895.59	873.77	21.81	41.058	
2,300.00	2,298.38	4,272.88	3,016.37	6.71	34.47	31.65	400.89	-40.77	802.73	779.88	22.85	35.133	
2,400.00	2,398.13	4,271.96	3,016.35	6.99	34.45	31.49	400.90	-41.68	711.82	687.63	24.19	29.430	
2,500.00	2,497.89	4,271.05	3,016.32	7.27	34.43	31.32	400.91	-42.60	623.69	597.74	25.94	24.041	
2,600.00	2,597.64	4,270.12	3,016.30	7.54	34.41	31.54	400.91	-43.53	539.69	511.43	28.26	19.099	
2,700.00	2,696.46	4,265.20	3,016.17	8.02	34.30	36.97	400.95	-48.44	457.84	426.79	31.05	14.744	
2,800.00	2,792.24	4,253.33	3,015.86	8.50	34.04	41.24	401.03	-60.31	376.70	342.67	34.03	11.071	
2,900.00	2,883.14	4,234.73	3,015.37	8.99	33.63	43.18	401.16	-78.90	298.24	261.10	37.15	8.029	
3,000.00	2,967.38	4,209.76	3,014.72	9.46	33.08	41.43	401.33	-103.86	225.97	185.88	40.09	5.637	
3,100.00	3,043.32	4,178.91	3,013.91	9.90	32.41	34.63	401.54	-134.70	167.55	126.62	40.92	4.094	SF
3,200.00	3,109.49	4,142.77	3,012.96	10.30	31.63	22.40	401.78	-170.83	139.27	105.69	33.57	4.148	ES
3,211.29	3,116.33	4,138.41	3,012.85	10.33	31.53	20.74	401.81	-175.18	138.90	106.87	32.04	4.336	CC
3,300.00	3,167.38	4,103.06	3,011.92	10.60	30.76	7.56	402.06	-210.53	158.39	138.04	20.34	7.785	
3,400.00	3,224.74	4,063.13	3,010.88	10.91	29.90	-5.85	402.33	-250.44	217.76	199.84	17.92	12.151	
3,500.00	3,280.13	4,019.56	3,009.74	11.67	28.97	-18.36	402.63	-294.00	292.20	272.18	20.02	14.599	
3,600.00	3,326.92	3,962.15	3,008.23	13.11	27.74	-27.17	403.02	-351.39	364.37	342.68	21.69	16.797	
3,700.00	3,363.33	3,891.90	3,006.39	14.72	26.26	-32.19	403.50	-421.61	428.14	405.38	22.76	18.811	
3,800.00	3,388.24	3,815.97	3,004.41	16.46	24.68	-35.19	403.59	-497.51	480.45	456.85	23.60	20.360	
3,900.00	3,400.91	3,736.78	3,002.33	18.28	23.03	-37.68	401.66	-576.65	520.27	495.89	24.38	21.341	
4,000.00	3,401.48	3,654.37	3,000.17	20.11	21.33	-40.39	397.34	-658.91	547.33	522.22	25.11	21.798	
4,100.00	3,398.85	3,571.90	2,998.00	21.98	19.65	-43.07	390.64	-741.08	571.57	545.73	25.84	22.121	
4,200.00	3,396.22	3,490.11	2,995.86	23.91	18.02	-45.52	381.66	-822.34	596.45	569.91	26.54	22.474	
4,300.00	3,393.57	3,435.76	2,993.53	25.87	16.96	-47.15	374.02	-876.09	623.35	596.13	27.22	22.903	
4,400.00	3,390.93	3,400.00	2,989.86	27.87	16.27	-48.26	367.53	-911.06	655.57	627.93	27.64	23.722	
4,500.00	3,388.28	3,350.00	2,981.67	29.87	15.31	-49.42	356.46	-959.11	692.24	664.38	27.86	24.851	
4,600.00	3,385.64	3,300.00	2,969.98	31.90	14.39	-50.37	343.13	-1,005.84	733.23	705.31	27.92	26.258	
4,700.00	3,383.00	3,265.71	2,959.99	33.92	13.77	-51.11	332.74	-1,036.95	777.85	750.05	27.80	27.975	
4,800.00	3,380.37	3,227.99	2,947.20	35.95	13.12	-51.78	320.19	-1,070.14	825.79	798.20	27.59	29.932	
4,900.00	3,377.76	3,200.00	2,936.51	37.97	12.65	-52.03	310.15	-1,093.97	877.03	849.82	27.21	32.227	
5,000.00	3,375.14	3,150.00	2,914.97	40.02	11.85	-51.71	290.75	-1,134.69	932.79	905.79	27.00	34.550	

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

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 31H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	3,372.53	3,128.76	2,904.90	42.09	11.53	-51.55	281.96	-1,151.20	992.75	966.15	26.60	37.322	
5,200.00	3,369.92	3,100.00	2,890.44	44.19	11.10	-51.32	269.59	-1,172.76	1,056.71	1,030.44	26.27	40.226	
5,300.00	3,367.30	3,074.60	2,876.90	46.31	10.75	-51.10	258.23	-1,190.99	1,124.13	1,098.19	25.95	43.326	
5,400.00	3,364.69	3,049.68	2,862.93	48.45	10.41	-50.87	246.69	-1,208.11	1,194.63	1,168.98	25.65	46.582	
5,500.00	3,362.07	2,984.09	2,825.31	50.61	9.58	-50.29	215.88	-1,252.12	1,266.69	1,240.95	25.74	49.205	
5,600.00	3,359.46	2,915.37	2,785.89	52.78	8.85	-49.74	183.59	-1,298.23	1,338.82	1,312.81	26.01	51.481	
5,700.00	3,356.85	2,849.68	2,748.22	54.97	8.57	-49.27	152.73	-1,342.31	1,411.00	1,384.68	26.33	53.598	
5,800.00	3,354.23	2,815.59	2,728.01	57.17	8.45	-49.00	136.98	-1,364.79	1,484.14	1,457.83	26.30	56.420	
5,900.00	3,351.62	2,785.00	2,708.78	59.37	8.35	-48.71	123.34	-1,384.28	1,558.91	1,532.66	26.25	59.392	
6,000.00	3,349.00	2,750.00	2,685.55	61.59	8.23	-48.32	108.32	-1,405.72	1,635.24	1,609.00	26.25	62.304	
6,100.00	3,346.39	2,729.53	2,671.39	63.81	8.15	-48.07	99.85	-1,417.83	1,712.95	1,686.83	26.12	65.584	
6,200.00	3,343.78	2,700.00	2,650.22	66.04	8.05	-47.67	88.04	-1,434.69	1,792.03	1,765.95	26.08	68.702	
6,300.00	3,341.16	2,681.01	2,636.17	68.28	7.97	-47.39	80.71	-1,445.16	1,872.34	1,846.37	25.97	72.102	
6,400.00	3,338.55	2,650.00	2,612.51	70.53	7.85	-46.92	69.22	-1,461.57	1,953.87	1,927.90	25.97	75.241	
6,500.00	3,335.93	2,650.00	2,612.51	72.78	7.85	-46.92	69.22	-1,461.57	2,036.46	2,010.77	25.70	79.253	
6,600.00	3,333.32	2,619.38	2,588.31	75.03	7.73	-46.41	58.45	-1,476.95	2,119.95	2,094.23	25.72	82.422	
6,700.00	3,330.71	2,600.00	2,572.60	77.29	7.66	-46.08	51.95	-1,486.23	2,204.46	2,178.82	25.64	85.963	
6,800.00	3,328.09	2,600.00	2,572.60	79.55	7.66	-46.08	51.95	-1,486.23	2,289.99	2,264.58	25.42	90.089	
6,900.00	3,325.48	2,568.72	2,546.60	81.82	7.53	-45.53	41.98	-1,500.47	2,376.04	2,350.57	25.47	93.298	
7,000.00	3,322.86	2,550.00	2,530.68	84.09	7.45	-45.18	36.32	-1,508.55	2,463.00	2,437.58	25.41	96.924	

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 32H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-92.63	-73.96	-1,609.51	1,611.20				
100.00	100.00	100.00	100.00	0.92	0.92	-92.63	-73.96	-1,609.51	1,611.20	1,609.36	1.85	871.674	
200.00	200.00	200.00	200.00	1.53	1.53	-92.63	-73.96	-1,609.51	1,611.20	1,608.15	3.05	527.822	
300.00	300.00	300.00	300.00	1.95	1.95	-92.63	-73.96	-1,609.51	1,611.20	1,607.30	3.91	412.279	
400.00	400.00	400.00	400.00	2.31	2.31	-92.63	-73.96	-1,609.51	1,611.20	1,606.59	4.61	349.267	
500.00	500.00	500.00	500.00	2.61	2.61	-92.63	-73.96	-1,609.51	1,611.20	1,605.97	5.23	308.131	
600.00	600.00	600.00	600.00	2.89	2.89	-92.63	-73.96	-1,609.51	1,611.20	1,605.42	5.78	278.555	
700.00	700.00	700.00	700.00	3.15	3.15	-92.63	-73.96	-1,609.51	1,611.20	1,604.91	6.29	255.959	
800.00	800.00	800.00	800.00	3.39	3.39	-92.63	-73.96	-1,609.51	1,611.20	1,604.43	6.77	237.960	
900.00	900.00	900.00	900.00	3.61	3.61	-92.63	-73.96	-1,609.51	1,611.20	1,603.98	7.22	223.178	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	-92.63	-73.96	-1,609.51	1,611.20	1,603.56	7.65	210.752	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	-92.63	-73.96	-1,609.51	1,611.20	1,603.15	8.05	200.112	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	-92.63	-73.96	-1,609.51	1,611.20	1,602.76	8.44	190.864	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	-92.63	-73.96	-1,609.51	1,611.20	1,602.39	8.82	182.728	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	-92.63	-73.96	-1,609.51	1,611.20	1,602.02	9.18	175.496	
1,500.00	1,500.00	1,500.00	1,500.00	4.77	4.77	-92.63	-73.96	-1,609.51	1,611.20	1,601.67	9.53	169.010	
1,600.00	1,599.98	1,599.98	1,599.98	5.04	4.94	-62.70	-73.96	-1,609.51	1,610.40	1,600.51	9.90	162.740	
1,700.00	1,699.84	1,699.84	1,699.84	5.31	5.10	-62.91	-73.96	-1,609.51	1,608.01	1,597.76	10.25	156.895	
1,800.00	1,799.59	4,422.18	3,236.26	5.51	34.27	-147.24	-561.18	-88.29	1,548.95	1,528.35	20.60	75.204	
1,900.00	1,899.35	4,420.52	3,236.21	5.73	34.23	-147.10	-561.05	-89.95	1,459.10	1,437.81	21.29	68.538	
2,000.00	1,999.11	4,418.86	3,236.17	5.95	34.19	-146.95	-560.92	-91.61	1,370.65	1,348.56	22.09	62.041	
2,100.00	2,098.86	4,417.18	3,236.12	6.19	34.16	-146.81	-560.80	-93.28	1,283.90	1,260.87	23.03	55.753	
2,200.00	2,198.62	4,415.50	3,236.08	6.45	34.12	-146.66	-560.66	-94.96	1,199.21	1,175.10	24.12	49.725	
2,300.00	2,298.38	4,413.80	3,236.04	6.71	34.08	-146.51	-560.53	-96.64	1,117.06	1,091.68	25.38	44.009	
2,400.00	2,398.13	4,412.10	3,235.99	6.99	34.04	-146.37	-560.40	-98.34	1,038.04	1,011.19	26.85	38.663	
2,500.00	2,497.89	4,410.39	3,235.95	7.27	34.00	-146.22	-560.26	-100.04	962.92	934.39	28.53	33.748	
2,600.00	2,597.64	4,408.65	3,235.90	7.54	33.96	-146.34	-560.12	-101.78	892.72	862.29	30.43	29.336	
2,700.00	2,696.46	4,401.16	3,235.71	8.02	33.80	-148.85	-559.51	-109.25	834.08	801.45	32.63	25.563	
2,800.00	2,792.24	4,384.77	3,235.28	8.50	33.43	-149.38	-558.11	-125.56	794.60	759.69	34.92	22.758	
2,900.00	2,883.14	4,363.36	3,234.72	8.99	32.96	-148.54	-556.24	-146.88	777.59	740.57	37.02	21.005	
2,921.57	2,901.93	4,357.79	3,234.57	9.09	32.83	-148.16	-555.75	-152.44	777.04	739.62	37.42	20.768	CC, ES
3,000.00	2,967.38	4,334.76	3,233.97	9.46	32.32	-146.22	-553.75	-175.37	784.26	745.69	38.58	20.329	SF
3,100.00	3,043.32	4,299.51	3,233.04	9.90	31.54	-142.33	-550.68	-210.47	813.18	773.75	39.43	20.625	
3,200.00	3,109.49	4,258.32	3,231.97	10.30	30.63	-136.66	-547.09	-251.50	860.82	821.19	39.63	21.723	
3,300.00	3,167.38	4,213.09	3,230.78	10.60	29.64	-132.44	-543.15	-296.54	921.02	881.67	39.35	23.404	
3,400.00	3,224.74	4,167.62	3,229.59	10.91	28.65	-129.56	-539.19	-341.82	985.95	947.04	38.91	25.339	
3,500.00	3,280.13	4,118.57	3,228.31	11.67	27.58	-117.27	-534.91	-390.66	1,053.28	1,014.95	38.33	27.479	
3,600.00	3,326.92	4,056.06	3,226.67	13.11	26.23	-103.48	-529.47	-452.92	1,117.50	1,079.91	37.59	29.731	
3,700.00	3,363.33	3,981.24	3,224.71	14.72	24.62	-93.30	-522.95	-527.42	1,175.09	1,138.29	36.80	31.931	
3,800.00	3,388.24	3,896.39	3,222.49	16.46	22.83	-86.47	-515.55	-611.92	1,223.33	1,187.22	36.11	33.881	
3,900.00	3,400.91	3,804.10	3,220.08	18.28	20.93	-82.50	-507.51	-703.83	1,260.14	1,224.55	35.59	35.409	
4,000.00	3,401.48	3,246.98	3,067.68	20.11	10.81	-74.96	-361.09	-1,199.45	1,281.03	1,251.95	29.07	44.062	
4,100.00	3,398.85	3,168.14	3,022.46	21.98	9.73	-72.77	-324.04	-1,252.35	1,267.84	1,238.29	29.54	42.917	
4,200.00	3,396.22	3,090.27	2,977.80	23.91	9.18	-70.53	-287.46	-1,304.60	1,254.24	1,224.06	30.18	41.558	
4,300.00	3,393.57	3,037.68	2,947.10	25.87	9.02	-68.94	-262.97	-1,339.57	1,240.98	1,209.87	31.10	39.898	
4,400.00	3,390.93	3,000.00	2,923.40	27.87	8.90	-67.70	-246.17	-1,363.56	1,229.86	1,197.72	32.14	38.265	
4,500.00	3,388.28	2,962.59	2,898.38	29.87	8.75	-66.40	-230.22	-1,386.34	1,221.45	1,188.33	33.12	36.880	
4,600.00	3,385.64	2,930.42	2,875.73	31.90	8.63	-65.25	-217.12	-1,405.05	1,216.17	1,182.13	34.04	35.724	
4,700.00	3,383.00	2,900.00	2,853.39	33.92	8.51	-64.13	-205.28	-1,421.96	1,214.38	1,179.54	34.84	34.852	
4,704.45	3,382.88	2,900.00	2,853.39	34.01	8.51	-64.14	-205.28	-1,421.96	1,214.39	1,179.50	34.89	34.805	
4,800.00	3,380.37	2,875.20	2,834.55	35.95	8.41	-63.24	-196.04	-1,435.16	1,216.36	1,180.81	35.55	34.214	
4,900.00	3,377.76	2,850.00	2,814.83	37.97	8.31	-62.28	-187.03	-1,448.02	1,222.71	1,186.66	36.05	33.918	

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

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 32H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	3,375.14	2,829.58	2,798.46	40.02	8.22	-61.46	-180.03	-1,458.02	1,235.81	1,199.36	36.45	33.908	
5,100.00	3,372.53	2,800.00	2,774.14	42.09	8.10	-60.25	-170.37	-1,471.81	1,256.00	1,219.43	36.57	34.348	
5,200.00	3,369.92	2,800.00	2,774.14	44.19	8.10	-60.25	-170.37	-1,471.81	1,282.87	1,246.01	36.87	34.799	
5,300.00	3,367.30	2,772.96	2,751.32	46.31	7.98	-59.15	-162.06	-1,483.69	1,316.08	1,279.36	36.71	35.847	
5,400.00	3,364.69	2,750.00	2,731.53	48.45	7.88	-58.21	-155.38	-1,493.22	1,355.43	1,318.95	36.48	37.159	
5,500.00	3,362.07	2,750.00	2,731.53	50.61	7.88	-58.21	-155.38	-1,493.22	1,400.33	1,363.94	36.39	38.479	
5,600.00	3,359.46	2,727.34	2,711.64	52.78	7.78	-57.28	-149.16	-1,502.11	1,450.23	1,414.26	35.97	40.318	
5,700.00	3,356.85	2,700.00	2,687.20	54.97	7.66	-56.16	-142.14	-1,512.14	1,505.02	1,469.59	35.43	42.476	
5,800.00	3,354.23	2,700.00	2,687.20	57.17	7.66	-56.16	-142.14	-1,512.14	1,563.59	1,528.45	35.15	44.489	
5,900.00	3,351.62	2,700.00	2,687.20	59.37	7.66	-56.16	-142.14	-1,512.14	1,626.21	1,591.39	34.82	46.702	
6,000.00	3,349.00	2,679.18	2,668.28	61.59	7.57	-55.32	-137.15	-1,519.26	1,691.99	1,657.73	34.26	49.383	
6,100.00	3,346.39	2,668.92	2,658.87	63.81	7.53	-54.91	-134.81	-1,522.61	1,760.87	1,727.07	33.80	52.093	
6,200.00	3,343.78	2,650.00	2,641.36	66.04	7.44	-54.16	-130.69	-1,528.48	1,832.52	1,799.26	33.26	55.097	
6,300.00	3,341.16	2,650.00	2,641.36	68.28	7.44	-54.16	-130.69	-1,528.48	1,906.40	1,873.50	32.90	57.944	
6,400.00	3,338.55	2,650.00	2,641.36	70.53	7.44	-54.16	-130.69	-1,528.48	1,982.57	1,950.03	32.55	60.915	
6,500.00	3,335.93	2,650.00	2,641.36	72.78	7.44	-54.16	-130.69	-1,528.48	2,060.78	2,028.58	32.20	63.999	
6,600.00	3,333.32	2,625.69	2,618.60	75.03	7.34	-53.20	-125.80	-1,535.47	2,140.26	2,108.60	31.66	67.601	
6,700.00	3,330.71	2,600.00	2,594.24	77.29	7.23	-52.21	-121.11	-1,542.17	2,221.84	2,190.71	31.14	71.361	
6,800.00	3,328.09	2,600.00	2,594.24	79.55	7.23	-52.21	-121.11	-1,542.17	2,304.31	2,273.48	30.83	74.733	
6,900.00	3,325.48	2,600.00	2,594.24	81.82	7.23	-52.21	-121.11	-1,542.17	2,388.12	2,357.57	30.55	78.180	
7,000.00	3,322.86	2,600.00	2,594.24	84.09	7.23	-52.21	-121.11	-1,542.17	2,473.13	2,442.85	30.27	81.696	

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 3H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	-93.34	-93.97	-1,609.51	1,612.25				
100.00	100.00	101.00	100.00	0.92	0.93	-93.34	-93.97	-1,609.51	1,612.25	1,610.39	1.85	869.407	
200.00	200.00	201.00	200.00	1.53	1.53	-93.34	-93.97	-1,609.51	1,612.25	1,609.19	3.06	527.425	
300.00	300.00	301.00	300.00	1.95	1.96	-93.34	-93.97	-1,609.51	1,612.25	1,608.34	3.91	412.174	
400.00	400.00	401.00	400.00	2.31	2.31	-93.34	-93.97	-1,609.51	1,612.25	1,607.63	4.62	349.260	
500.00	500.00	501.00	500.00	2.61	2.62	-93.34	-93.97	-1,609.51	1,612.25	1,607.02	5.23	308.167	
600.00	600.00	601.00	600.00	2.89	2.89	-93.34	-93.97	-1,609.51	1,612.25	1,606.46	5.79	278.613	
700.00	700.00	701.00	700.00	3.15	3.15	-93.34	-93.97	-1,609.51	1,612.25	1,605.95	6.30	256.028	
800.00	800.00	801.00	800.00	3.39	3.39	-93.34	-93.97	-1,609.51	1,612.25	1,605.47	6.77	238.036	
900.00	900.00	901.00	900.00	3.61	3.61	-93.34	-93.97	-1,609.51	1,612.25	1,605.03	7.22	223.257	
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-93.34	-93.97	-1,609.51	1,612.25	1,604.60	7.65	210.832	
1,100.00	1,100.00	1,101.00	1,100.00	4.03	4.03	-93.34	-93.97	-1,609.51	1,612.25	1,604.19	8.05	200.193	
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.22	-93.34	-93.97	-1,609.51	1,612.25	1,603.80	8.44	190.945	
1,300.00	1,300.00	1,301.00	1,300.00	4.41	4.41	-93.34	-93.97	-1,609.51	1,612.25	1,603.43	8.82	182.809	
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.59	-93.34	-93.97	-1,609.51	1,612.25	1,603.06	9.18	175.576	
1,500.00	1,500.00	1,501.42	1,500.42	4.77	4.77	-93.34	-93.97	-1,609.51	1,612.25	1,602.71	9.54	169.072	
1,600.00	1,599.98	1,643.07	1,642.01	5.04	5.13	-63.57	-96.90	-1,607.46	1,610.14	1,600.17	9.97	161.477	
1,700.00	1,699.84	1,759.05	1,757.75	5.31	5.37	-64.09	-103.06	-1,603.14	1,604.41	1,594.09	10.33	155.349	
1,800.00	1,799.59	1,858.08	1,856.53	5.51	5.54	-64.52	-108.72	-1,599.18	1,597.79	1,587.16	10.63	150.253	
1,900.00	1,899.35	1,957.11	1,955.32	5.73	5.74	-64.96	-114.38	-1,595.22	1,591.27	1,580.32	10.95	145.381	
2,000.00	1,999.11	2,056.14	2,054.11	5.95	5.95	-65.40	-120.04	-1,591.25	1,584.83	1,573.57	11.26	140.734	
2,100.00	2,098.86	2,155.17	2,152.90	6.19	6.17	-65.85	-125.70	-1,587.29	1,578.50	1,566.92	11.58	136.312	
2,200.00	2,198.62	2,254.20	2,251.68	6.45	6.41	-66.30	-131.36	-1,583.33	1,572.26	1,560.36	11.90	132.110	
2,300.00	2,298.38	2,353.23	2,350.47	6.71	6.65	-66.75	-137.02	-1,579.37	1,566.12	1,553.90	12.22	128.122	
2,400.00	2,398.13	2,452.25	2,449.26	6.99	6.91	-67.21	-142.67	-1,575.41	1,560.08	1,547.54	12.55	124.342	
2,500.00	2,497.89	4,741.56	3,508.57	7.27	33.62	-140.37	-1,029.50	-259.67	1,499.45	1,469.63	29.83	50.271	
2,600.00	2,597.64	4,738.49	3,508.48	7.54	33.56	-140.46	-1,028.94	-262.69	1,438.15	1,407.11	31.04	46.332	
2,700.00	2,696.46	4,726.98	3,508.18	8.02	33.31	-142.91	-1,026.81	-274.00	1,386.64	1,354.33	32.30	42.924	
2,800.00	2,792.24	4,700.30	3,507.46	8.50	32.75	-143.58	-1,021.70	-300.17	1,350.71	1,317.28	33.42	40.416	
2,900.00	2,883.14	4,657.95	3,506.33	8.99	31.86	-142.72	-1,013.08	-341.62	1,331.79	1,297.50	34.28	38.850	
2,959.62	2,934.28	4,624.95	3,505.44	9.27	31.17	-141.52	-1,005.94	-373.83	1,328.75	1,294.14	34.62	38.385	
3,000.00	2,967.38	4,599.20	3,504.75	9.46	30.63	-140.42	-1,000.12	-398.90	1,330.11	1,295.37	34.74	38.290	
3,100.00	3,043.32	4,523.13	3,502.71	9.90	29.04	-136.68	-981.59	-472.65	1,344.60	1,309.90	34.71	38.742	
3,200.00	3,109.49	4,428.76	3,500.18	10.30	27.08	-131.48	-955.89	-563.41	1,373.01	1,338.86	34.15	40.209	
3,300.00	3,167.38	4,317.91	3,497.22	10.60	24.80	-126.96	-921.91	-668.88	1,410.43	1,377.32	33.11	42.594	
3,400.00	3,224.74	3,300.00	3,212.56	10.91	10.33	-92.71	-378.18	-1,410.50	1,417.00	1,398.09	18.92	74.914	
3,500.00	3,280.13	3,272.92	3,195.35	11.67	10.23	-87.68	-361.05	-1,422.50	1,425.05	1,405.20	19.85	71.778	
3,600.00	3,326.92	3,250.00	3,180.18	13.11	10.14	-82.65	-346.98	-1,432.35	1,425.84	1,404.80	21.04	67.770	
3,700.00	3,363.33	3,215.41	3,156.27	14.72	9.99	-78.89	-326.52	-1,446.68	1,418.33	1,396.02	22.30	63.589	
3,800.00	3,388.24	3,185.54	3,134.66	16.46	9.86	-76.83	-309.62	-1,458.51	1,402.34	1,378.60	23.74	59.070	
3,900.00	3,400.91	3,150.00	3,107.86	18.28	9.70	-76.00	-290.50	-1,471.89	1,377.85	1,352.63	25.22	54.627	
4,000.00	3,401.48	3,125.30	3,088.57	20.11	9.59	-76.23	-277.87	-1,480.74	1,345.31	1,318.49	26.83	50.148	
4,100.00	3,398.85	3,100.00	3,068.27	21.98	9.47	-75.12	-265.50	-1,489.40	1,312.47	1,284.03	28.45	46.137	
4,200.00	3,396.22	3,073.54	3,046.49	23.91	9.35	-73.93	-253.20	-1,498.01	1,282.37	1,252.29	30.07	42.640	
4,300.00	3,393.57	3,050.00	3,026.65	25.87	9.23	-72.83	-242.82	-1,505.28	1,255.44	1,223.75	31.69	39.614	
4,400.00	3,390.93	3,032.77	3,011.87	27.87	9.15	-71.98	-235.56	-1,510.36	1,232.09	1,198.77	33.32	36.979	
4,500.00	3,388.28	3,015.63	2,996.97	29.87	9.07	-71.15	-228.64	-1,515.21	1,212.70	1,177.85	34.85	34.801	
4,600.00	3,385.64	3,000.00	2,983.20	31.90	8.99	-70.39	-222.58	-1,519.46	1,197.58	1,161.32	36.26	33.030	
4,700.00	3,383.00	3,000.00	2,983.20	33.92	8.99	-70.38	-222.58	-1,519.46	1,187.20	1,149.50	37.70	31.491	
4,800.00	3,380.37	2,974.22	2,960.15	35.95	8.86	-69.19	-213.12	-1,526.08	1,181.24	1,142.63	38.62	30.589	
4,850.58	3,379.05	2,968.42	2,954.91	36.97	8.84	-68.93	-211.09	-1,527.50	1,180.40	1,141.32	39.08	30.205	CC, ES
4,900.00	3,377.76	2,950.00	2,938.13	37.97	8.75	-68.08	-204.86	-1,531.86	1,180.98	1,141.69	39.29	30.060	

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

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Aggie - The Aggie 3H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	3,375.14	2,950.00	2,938.13	40.02	8.75	-68.08	-204.86	-1,531.86	1,188.18	1,148.09	40.09	29.637	
5,100.00	3,372.53	2,950.00	2,938.13	42.09	8.75	-68.08	-204.86	-1,531.86	1,203.67	1,163.00	40.67	29.595	SF
5,200.00	3,369.92	2,933.32	2,922.77	44.19	8.66	-67.30	-199.53	-1,535.59	1,226.85	1,186.06	40.78	30.081	
5,300.00	3,367.30	2,924.46	2,914.55	46.31	8.62	-66.88	-196.82	-1,537.49	1,257.45	1,216.64	40.81	30.813	
5,400.00	3,364.69	2,916.06	2,906.72	48.45	8.58	-66.49	-194.33	-1,539.24	1,294.91	1,254.25	40.66	31.845	
5,500.00	3,362.07	2,900.00	2,891.66	50.61	8.50	-65.73	-189.77	-1,542.43	1,338.74	1,298.49	40.25	33.257	
5,600.00	3,359.46	2,900.00	2,891.66	52.78	8.50	-65.73	-189.77	-1,542.43	1,388.15	1,348.17	39.97	34.727	
5,700.00	3,356.85	2,900.00	2,891.66	54.97	8.50	-65.73	-189.77	-1,542.43	1,442.80	1,403.20	39.60	36.433	
5,800.00	3,354.23	2,900.00	2,891.66	57.17	8.50	-65.73	-189.77	-1,542.43	1,502.13	1,462.96	39.17	38.353	
5,900.00	3,351.62	2,879.94	2,872.68	59.37	8.40	-64.80	-184.46	-1,546.14	1,565.19	1,526.78	38.41	40.749	
6,000.00	3,349.00	2,873.72	2,866.75	61.59	8.37	-64.51	-182.91	-1,547.23	1,632.05	1,594.22	37.83	43.142	
6,100.00	3,346.39	2,867.77	2,861.07	63.81	8.34	-64.23	-181.46	-1,548.25	1,702.08	1,664.84	37.25	45.698	
6,200.00	3,343.78	2,850.00	2,844.02	66.04	8.26	-63.41	-177.36	-1,551.12	1,775.07	1,738.55	36.52	48.611	
6,300.00	3,341.16	2,850.00	2,844.02	68.28	8.26	-63.41	-177.36	-1,551.12	1,850.30	1,814.28	36.02	51.364	
6,400.00	3,338.55	2,850.00	2,844.02	70.53	8.26	-63.41	-177.36	-1,551.12	1,927.78	1,892.24	35.54	54.236	
6,500.00	3,335.93	2,850.00	2,844.02	72.78	8.26	-63.41	-177.36	-1,551.12	2,007.26	1,972.18	35.08	57.219	
6,600.00	3,333.32	2,850.00	2,844.02	75.03	8.26	-63.41	-177.36	-1,551.12	2,088.50	2,053.86	34.64	60.299	
6,700.00	3,330.71	2,850.00	2,844.02	77.29	8.26	-63.41	-177.36	-1,551.12	2,171.30	2,137.09	34.21	63.469	
6,800.00	3,328.09	2,850.00	2,844.02	79.55	8.26	-63.41	-177.36	-1,551.12	2,255.50	2,221.70	33.81	66.718	
6,900.00	3,325.48	2,828.46	2,823.19	81.82	8.15	-62.43	-172.87	-1,554.27	2,340.56	2,307.36	33.20	70.502	
7,000.00	3,322.86	2,824.39	2,819.23	84.09	8.13	-62.25	-172.07	-1,554.82	2,426.96	2,394.16	32.80	73.994	

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 2H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-49.85	0.00	49.85				
100.00	100.00	100.00	100.00	0.92	0.92	180.00	-49.85	0.00	49.85	48.00	1.85	26.967	
200.00	200.00	200.00	200.00	1.53	1.53	180.00	-49.85	0.00	49.85	46.79	3.05	16.329	
300.00	300.00	300.00	300.00	1.95	1.95	180.00	-49.85	0.00	49.85	45.94	3.91	12.755	
400.00	400.00	400.00	400.00	2.31	2.31	180.00	-49.85	0.00	49.85	45.23	4.61	10.805	
500.00	500.00	500.00	500.00	2.61	2.61	180.00	-49.85	0.00	49.85	44.62	5.23	9.533	
600.00	600.00	600.00	600.00	2.89	2.89	180.00	-49.85	0.00	49.85	44.06	5.78	8.618	
700.00	700.00	700.00	700.00	3.15	3.15	180.00	-49.85	0.00	49.85	43.55	6.29	7.919	
800.00	800.00	800.00	800.00	3.39	3.39	180.00	-49.85	0.00	49.85	43.08	6.77	7.362	
900.00	900.00	900.00	900.00	3.61	3.61	180.00	-49.85	0.00	49.85	42.63	7.22	6.905	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	180.00	-49.85	0.00	49.85	42.20	7.65	6.520	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	180.00	-49.85	0.00	49.85	41.80	8.05	6.191	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	180.00	-49.85	0.00	49.85	41.40	8.44	5.905	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	180.00	-49.85	0.00	49.85	41.03	8.82	5.653	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	180.00	-49.85	0.00	49.85	40.67	9.18	5.429	
1,500.00	1,500.00	1,500.00	1,500.00	4.77	4.77	180.00	-49.85	0.00	49.85	40.31	9.53	5.229	CC, ES
1,600.00	1,599.98	1,599.98	1,599.98	5.04	4.94	-150.96	-49.85	0.00	51.37	41.41	9.95	5.161	
1,700.00	1,699.84	1,699.84	1,699.84	5.31	5.10	-153.52	-49.85	0.00	56.00	45.62	10.38	5.396	
1,800.00	1,799.59	1,799.59	1,799.59	5.51	5.27	-156.38	-49.85	0.00	62.32	51.58	10.74	5.802	
1,900.00	1,899.35	1,899.35	1,899.35	5.73	5.43	-158.71	-49.85	0.00	68.77	57.66	11.11	6.188	
2,000.00	1,999.11	1,999.11	1,999.11	5.95	5.58	-160.64	-49.85	0.00	75.32	63.82	11.50	6.551	
2,100.00	2,098.86	2,098.86	2,098.86	6.19	5.73	-162.25	-49.85	0.00	81.93	70.04	11.89	6.891	
2,200.00	2,198.62	2,198.62	2,198.62	6.45	5.88	-163.63	-49.85	0.00	88.60	76.31	12.29	7.208	
2,300.00	2,298.38	2,298.38	2,298.38	6.71	6.03	-164.81	-49.85	0.00	95.32	82.62	12.70	7.504	
2,400.00	2,398.13	2,398.13	2,398.13	6.99	6.17	-165.84	-49.85	0.00	102.07	88.95	13.12	7.780	
2,500.00	2,497.89	2,497.89	2,497.89	7.27	6.32	-166.73	-49.85	0.00	108.85	95.30	13.54	8.037	
2,600.00	2,597.64	2,597.64	2,597.64	7.54	6.47	-167.52	-49.85	0.00	115.68	101.71	13.97	8.282	
2,700.00	2,696.46	2,700.82	2,700.53	8.02	6.70	-166.00	-50.14	-6.39	128.60	114.11	14.49	8.877	
2,800.00	2,792.24	2,801.17	2,798.73	8.50	6.98	-160.47	-51.06	-26.67	152.06	137.11	14.95	10.171	
2,900.00	2,883.14	2,895.65	2,887.74	8.99	7.26	-153.32	-52.49	-58.11	187.36	171.96	15.40	12.166	
3,000.00	2,967.38	2,982.51	2,965.27	9.46	7.53	-145.99	-54.26	-97.11	234.74	218.85	15.89	14.770	
3,100.00	3,043.32	3,061.04	3,030.84	9.90	7.78	-138.79	-56.21	-140.20	293.11	276.63	16.48	17.785	
3,200.00	3,109.49	3,131.29	3,085.19	10.30	8.00	-131.46	-58.23	-184.63	360.65	343.46	17.20	20.973	
3,300.00	3,167.38	3,195.02	3,130.51	10.60	8.19	-128.25	-60.26	-229.35	434.13	416.13	18.00	24.120	
3,400.00	3,224.74	3,255.82	3,169.88	10.91	8.40	-126.59	-62.36	-275.62	508.71	489.80	18.91	26.900	
3,500.00	3,280.13	3,317.90	3,206.25	11.67	9.07	-114.57	-64.64	-325.87	583.11	563.07	20.04	29.095	
3,600.00	3,326.92	3,389.91	3,247.54	13.11	9.96	-102.85	-67.32	-384.79	652.22	630.57	21.65	30.128	
3,700.00	3,363.33	3,466.49	3,291.47	14.72	10.98	-95.64	-70.17	-447.46	713.84	690.22	23.62	30.221	
3,800.00	3,388.24	3,544.43	3,334.21	16.46	12.08	-91.47	-72.95	-512.53	767.11	741.21	25.90	29.618	
3,900.00	3,400.91	3,629.77	3,371.00	18.28	13.49	-89.26	-75.45	-589.41	811.31	782.58	28.72	28.245	
4,000.00	3,401.48	3,725.34	3,398.17	20.11	15.27	-89.28	-77.45	-680.90	845.38	813.24	32.14	26.301	
4,100.00	3,398.85	3,830.41	3,410.08	21.98	17.39	-90.35	-78.61	-785.14	873.77	837.66	36.11	24.196	
4,200.00	3,396.22	3,930.47	3,408.13	23.91	19.48	-90.43	-78.95	-885.17	897.97	857.90	40.08	22.405	
4,300.00	3,393.57	4,028.29	3,405.56	25.87	21.58	-90.47	-79.24	-982.95	918.73	874.62	44.11	20.827	
4,400.00	3,390.93	4,126.77	3,402.98	27.87	23.73	-90.51	-79.54	-1,081.40	936.07	887.80	48.27	19.393	
4,500.00	3,388.28	4,225.79	3,400.38	29.87	25.91	-90.55	-79.84	-1,180.39	949.95	897.43	52.52	18.087	
4,600.00	3,385.64	4,325.24	3,397.77	31.90	28.13	-90.60	-80.13	-1,279.81	960.38	903.53	56.85	16.894	
4,700.00	3,383.00	4,425.00	3,395.16	33.92	30.37	-90.64	-80.43	-1,379.52	967.32	906.09	61.23	15.798	
4,800.00	3,380.37	4,524.93	3,392.53	35.95	32.62	-90.69	-80.73	-1,479.42	970.78	905.13	65.65	14.786	
4,900.00	3,377.76	4,624.93	3,389.91	37.97	34.89	-90.72	-81.03	-1,579.39	971.20	901.11	70.09	13.857	
5,000.00	3,375.14	4,724.93	3,387.29	40.02	37.16	-90.72	-81.33	-1,679.35	971.20	896.65	74.55	13.027	
5,100.00	3,372.53	4,824.93	3,384.66	42.09	39.44	-90.72	-81.63	-1,779.32	971.20	892.16	79.04	12.287	

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

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 2H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	3,369.92	4,924.93	3,382.04	44.19	41.73	-90.72	-81.93	-1,879.28	971.20	887.65	83.55	11.624	
5,300.00	3,367.30	5,024.93	3,379.41	46.31	44.02	-90.71	-82.23	-1,979.25	971.19	883.12	88.07	11.027	
5,400.00	3,364.69	5,124.93	3,376.79	48.45	46.32	-90.71	-82.53	-2,079.21	971.19	878.58	92.61	10.487	
5,500.00	3,362.07	5,224.93	3,374.17	50.61	48.62	-90.71	-82.83	-2,179.18	971.19	874.03	97.16	9.996	
5,600.00	3,359.46	5,324.93	3,371.54	52.78	50.92	-90.71	-83.13	-2,279.14	971.19	869.47	101.72	9.547	
5,700.00	3,356.85	5,424.93	3,368.92	54.97	53.22	-90.71	-83.43	-2,379.11	971.19	864.89	106.29	9.137	
5,800.00	3,354.23	5,524.93	3,366.30	57.17	55.53	-90.71	-83.73	-2,479.07	971.19	860.31	110.87	8.760	
5,900.00	3,351.62	5,624.93	3,363.67	59.37	57.84	-90.71	-84.03	-2,579.04	971.18	855.73	115.46	8.412	
6,000.00	3,349.00	5,724.93	3,361.05	61.59	60.15	-90.71	-84.33	-2,679.00	971.18	851.14	120.05	8.090	
6,100.00	3,346.39	5,824.93	3,358.42	63.81	62.46	-90.71	-84.63	-2,778.97	971.18	846.54	124.64	7.792	
6,200.00	3,343.78	5,924.93	3,355.80	66.04	64.78	-90.71	-84.93	-2,878.93	971.18	841.93	129.25	7.514	
6,300.00	3,341.16	6,024.93	3,353.18	68.28	67.09	-90.71	-85.23	-2,978.90	971.18	837.32	133.85	7.256	
6,400.00	3,338.55	6,124.93	3,350.55	70.53	69.41	-90.71	-85.52	-3,078.86	971.18	832.71	138.46	7.014	
6,500.00	3,335.93	6,224.93	3,347.93	72.78	71.73	-90.71	-85.82	-3,178.83	971.17	828.10	143.08	6.788	
6,600.00	3,333.32	6,324.93	3,345.31	75.03	74.05	-90.71	-86.12	-3,278.79	971.17	823.48	147.69	6.576	
6,700.00	3,330.71	6,424.93	3,342.68	77.29	76.37	-90.71	-86.42	-3,378.76	971.17	818.86	152.31	6.376	
6,800.00	3,328.09	6,524.93	3,340.06	79.55	78.69	-90.71	-86.72	-3,478.72	971.17	814.23	156.94	6.188	
6,900.00	3,325.48	6,624.93	3,337.43	81.82	81.01	-90.71	-87.02	-3,578.69	971.17	809.60	161.56	6.011	
7,000.00	3,322.86	6,724.93	3,334.81	84.09	83.33	-90.71	-87.32	-3,678.65	971.17	804.98	166.19	5.844	
7,100.00	3,320.25	6,824.93	3,332.19	86.37	85.65	-90.70	-87.62	-3,778.62	971.16	800.34	170.82	5.685	
7,200.00	3,317.64	6,924.93	3,329.56	88.64	87.98	-90.70	-87.92	-3,878.58	971.16	795.71	175.45	5.535	
7,300.00	3,315.02	7,024.93	3,326.94	90.92	90.30	-90.70	-88.22	-3,978.55	971.16	791.08	180.09	5.393	
7,400.00	3,312.41	7,124.93	3,324.31	93.21	92.63	-90.70	-88.52	-4,078.52	971.16	786.44	184.72	5.257	
7,500.00	3,309.79	7,224.93	3,321.69	95.49	94.95	-90.70	-88.82	-4,178.48	971.16	781.80	189.36	5.129	
7,600.00	3,307.18	7,324.93	3,319.07	97.78	97.28	-90.70	-89.12	-4,278.45	971.16	777.16	194.00	5.006	
7,700.00	3,304.57	7,424.93	3,316.44	100.07	99.60	-90.70	-89.42	-4,378.41	971.15	772.52	198.63	4.889	
7,800.00	3,301.95	7,524.93	3,313.82	102.36	101.93	-90.70	-89.72	-4,478.38	971.15	767.88	203.28	4.778	
7,900.00	3,299.34	7,624.93	3,311.20	104.65	104.25	-90.70	-90.02	-4,578.34	971.15	763.23	207.92	4.671	
8,000.00	3,296.73	7,724.93	3,308.57	106.95	106.58	-90.70	-90.32	-4,678.31	971.15	758.59	212.56	4.569	
8,100.00	3,294.11	7,824.93	3,305.95	109.24	108.91	-90.70	-90.62	-4,778.27	971.15	753.94	217.20	4.471	
8,200.00	3,291.50	7,924.93	3,303.32	111.54	111.23	-90.70	-90.92	-4,878.24	971.15	749.30	221.85	4.378	
8,300.00	3,288.88	8,024.93	3,300.70	113.84	113.56	-90.70	-91.22	-4,978.20	971.14	744.65	226.49	4.288	
8,400.00	3,286.27	8,124.93	3,298.08	116.14	115.89	-90.70	-91.52	-5,078.17	971.14	740.00	231.14	4.202	
8,500.00	3,283.66	8,224.93	3,295.45	118.44	118.21	-90.70	-91.81	-5,178.13	971.14	735.35	235.79	4.119	
8,600.00	3,281.04	8,324.93	3,292.83	120.75	120.54	-90.70	-92.11	-5,278.10	971.14	730.70	240.44	4.039	
8,700.00	3,278.43	8,424.93	3,290.21	123.05	122.87	-90.70	-92.41	-5,378.06	971.14	726.05	245.08	3.962	
8,800.00	3,275.81	8,524.93	3,287.58	125.36	125.20	-90.69	-92.71	-5,478.03	971.14	721.40	249.73	3.889	
8,900.00	3,273.20	8,624.93	3,284.96	127.66	127.53	-90.69	-93.01	-5,577.99	971.13	716.75	254.38	3.818	
9,000.00	3,270.59	8,724.93	3,282.33	129.97	129.86	-90.69	-93.31	-5,677.96	971.13	712.10	259.03	3.749	
9,100.00	3,267.97	8,824.93	3,279.71	132.28	132.18	-90.69	-93.61	-5,777.92	971.13	707.45	263.68	3.683	
9,200.00	3,265.36	8,924.93	3,277.09	134.59	134.51	-90.69	-93.91	-5,877.89	971.13	702.79	268.34	3.619	
9,300.00	3,262.74	9,024.93	3,274.46	136.90	136.84	-90.69	-94.21	-5,977.85	971.13	698.14	272.99	3.557	
9,400.00	3,260.13	9,124.93	3,271.84	139.21	139.17	-90.69	-94.51	-6,077.82	971.13	693.48	277.64	3.498	
9,402.11	3,260.07	9,127.04	3,271.78	139.26	139.22	-90.69	-94.52	-6,079.93	971.13	693.39	277.73	3.497	SF

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 31H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-24.74	0.00	24.74				
100.00	100.00	100.00	100.00	0.92	0.92	180.00	-24.74	0.00	24.74	22.89	1.85	13.385	
200.00	200.00	200.00	200.00	1.53	1.53	180.00	-24.74	0.00	24.74	21.69	3.05	8.105	
300.00	300.00	300.00	300.00	1.95	1.95	180.00	-24.74	0.00	24.74	20.83	3.91	6.331	
400.00	400.00	400.00	400.00	2.31	2.31	180.00	-24.74	0.00	24.74	20.13	4.61	5.363	
500.00	500.00	500.00	500.00	2.61	2.61	180.00	-24.74	0.00	24.74	19.51	5.23	4.732	
600.00	600.00	600.00	600.00	2.89	2.89	180.00	-24.74	0.00	24.74	18.96	5.78	4.277	
700.00	700.00	700.00	700.00	3.15	3.15	180.00	-24.74	0.00	24.74	18.45	6.29	3.930	
800.00	800.00	800.00	800.00	3.39	3.39	180.00	-24.74	0.00	24.74	17.97	6.77	3.654	
900.00	900.00	900.00	900.00	3.61	3.61	180.00	-24.74	0.00	24.74	17.52	7.22	3.427	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	180.00	-24.74	0.00	24.74	17.10	7.65	3.236	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	180.00	-24.74	0.00	24.74	16.69	8.05	3.073	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	180.00	-24.74	0.00	24.74	16.30	8.44	2.931	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	180.00	-24.74	0.00	24.74	15.92	8.82	2.806	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	180.00	-24.74	0.00	24.74	15.56	9.18	2.695	
1,500.00	1,500.00	1,500.00	1,500.00	4.77	4.77	180.00	-24.74	0.00	24.74	15.21	9.53	2.595	CC, ES
1,600.00	1,599.98	1,599.98	1,599.98	5.04	4.94	-151.89	-24.74	0.00	26.27	16.31	9.95	2.639	
1,700.00	1,699.84	1,699.84	1,699.84	5.31	5.10	-156.42	-24.74	0.00	30.98	20.60	10.39	2.983	
1,800.00	1,799.59	1,799.59	1,799.59	5.51	5.27	-160.69	-24.74	0.00	37.48	26.73	10.75	3.485	
1,900.00	1,899.35	1,900.47	1,900.45	5.73	5.52	-162.16	-23.73	-1.44	42.83	31.66	11.17	3.834	
2,000.00	1,999.11	2,001.54	2,001.37	5.95	5.77	-160.32	-20.68	-5.80	45.63	34.05	11.58	3.941	
2,100.00	2,098.86	2,101.49	2,101.08	6.19	5.95	-157.23	-16.68	-11.51	47.31	35.36	11.95	3.958	
2,200.00	2,198.62	2,201.45	2,200.79	6.45	6.14	-154.35	-12.68	-17.23	49.12	36.79	12.33	3.983	
2,300.00	2,298.38	2,301.40	2,300.51	6.71	6.35	-151.68	-8.68	-22.94	51.04	38.32	12.71	4.015	
2,400.00	2,398.13	2,403.02	2,401.77	6.99	6.56	-148.12	-3.94	-29.70	52.43	39.42	13.01	4.030	
2,500.00	2,497.89	2,505.29	2,501.95	7.27	6.98	-132.60	7.61	-46.20	49.22	36.17	13.04	3.773	
2,540.80	2,538.58	2,545.57	2,540.45	7.38	7.15	-121.62	14.39	-55.88	48.39	35.44	12.95	3.738	
2,600.00	2,597.64	2,601.83	2,592.99	7.54	7.39	-102.23	25.92	-72.35	51.15	38.27	12.87	3.973	
2,700.00	2,696.46	2,692.58	2,673.92	8.02	7.79	-76.81	49.38	-105.85	71.53	58.31	13.22	5.411	
2,800.00	2,792.24	2,779.19	2,745.76	8.50	8.15	-64.85	77.08	-145.41	102.44	88.88	13.56	7.552	
2,900.00	2,883.14	2,862.04	2,808.55	8.99	8.48	-59.33	108.04	-189.63	137.31	123.45	13.86	9.907	
3,000.00	2,967.38	2,941.55	2,862.57	9.46	8.77	-56.61	141.47	-237.38	173.93	159.69	14.24	12.214	
3,100.00	3,043.32	3,022.37	2,910.81	9.90	8.98	-55.38	178.64	-290.46	211.17	196.16	15.01	14.070	
3,200.00	3,109.49	3,115.91	2,964.46	10.30	9.92	-56.65	222.59	-353.23	243.64	227.12	16.52	14.752	
3,300.00	3,167.38	3,199.54	3,012.43	10.60	11.02	-60.21	261.89	-409.35	272.02	253.88	18.14	14.999	
3,400.00	3,224.74	3,267.46	3,048.94	10.91	12.04	-63.07	292.36	-457.78	307.25	287.63	19.63	15.654	
3,500.00	3,280.13	3,324.58	3,075.63	11.67	12.98	-60.90	315.57	-502.60	348.99	328.04	20.95	16.658	
3,600.00	3,326.92	3,380.97	3,098.10	13.11	13.96	-57.82	336.07	-550.05	385.11	362.68	22.43	17.166	
3,700.00	3,363.33	3,437.05	3,116.41	14.72	15.00	-55.86	353.88	-599.96	414.53	390.49	24.04	17.246	
3,800.00	3,388.24	3,500.00	3,131.94	16.46	16.20	-55.08	370.61	-658.59	437.08	411.04	26.04	16.783	
3,900.00	3,400.91	3,550.00	3,140.38	18.28	17.19	-54.99	381.30	-706.68	452.28	424.70	27.58	16.400	
4,000.00	3,401.48	3,600.00	3,145.29	20.11	18.19	-55.87	389.61	-755.72	460.92	431.84	29.08	15.851	
4,100.00	3,398.85	3,662.23	3,146.43	21.98	19.43	-57.04	396.53	-817.53	472.53	441.48	31.05	15.219	
4,200.00	3,396.22	3,747.00	3,144.21	23.91	21.11	-58.20	402.07	-902.08	487.34	453.21	34.12	14.283	
4,300.00	3,393.57	3,832.80	3,141.96	25.87	22.86	-59.29	405.14	-987.79	501.90	464.57	37.33	13.446	
4,400.00	3,390.93	3,920.97	3,139.65	27.87	24.67	-60.32	405.68	-1,075.93	516.14	475.41	40.72	12.674	
4,500.00	3,388.28	4,019.99	3,137.05	29.87	26.72	-61.23	405.38	-1,174.92	528.29	483.51	44.78	11.799	
4,600.00	3,385.64	4,119.44	3,134.45	31.90	28.82	-61.90	405.07	-1,274.33	537.47	488.62	48.85	11.002	
4,700.00	3,383.00	4,219.20	3,131.83	33.92	30.95	-62.36	404.77	-1,374.05	543.61	490.69	52.92	10.272	
4,800.00	3,380.37	4,319.13	3,129.21	35.95	33.12	-62.61	404.47	-1,473.95	546.68	489.71	56.97	9.596	
4,900.00	3,377.76	4,419.13	3,126.59	37.97	35.31	-62.66	404.16	-1,573.91	547.06	486.10	60.96	8.974	
5,000.00	3,375.14	4,519.13	3,123.97	40.02	37.51	-62.66	403.86	-1,673.88	547.07	482.10	64.97	8.420	

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

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 31H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	3,372.53	4,619.13	3,121.35	42.09	39.73	-62.66	403.56	-1,773.84	547.07	478.07	69.00	7.928	
5,200.00	3,369.92	4,719.13	3,118.73	44.19	41.96	-62.66	403.25	-1,873.81	547.08	474.02	73.06	7.488	
5,300.00	3,367.30	4,819.13	3,116.10	46.31	44.20	-62.66	402.95	-1,973.77	547.08	469.96	77.13	7.093	
5,400.00	3,364.69	4,919.13	3,113.48	48.45	46.45	-62.66	402.64	-2,073.74	547.09	465.88	81.21	6.737	
5,500.00	3,362.07	5,019.13	3,110.86	50.61	48.71	-62.66	402.34	-2,173.70	547.10	461.79	85.30	6.413	
5,600.00	3,359.46	5,119.13	3,108.24	52.78	50.98	-62.66	402.04	-2,273.67	547.10	457.69	89.41	6.119	
5,700.00	3,356.85	5,219.13	3,105.62	54.97	53.25	-62.65	401.73	-2,373.64	547.11	453.59	93.52	5.850	
5,800.00	3,354.23	5,319.13	3,103.00	57.17	55.52	-62.65	401.43	-2,473.60	547.11	449.47	97.64	5.603	
5,900.00	3,351.62	5,419.13	3,100.37	59.37	57.80	-62.65	401.12	-2,573.57	547.12	445.35	101.77	5.376	
6,000.00	3,349.00	5,519.13	3,097.75	61.59	60.09	-62.65	400.82	-2,673.53	547.13	441.22	105.90	5.166	
6,100.00	3,346.39	5,619.13	3,095.13	63.81	62.37	-62.65	400.52	-2,773.50	547.13	437.09	110.04	4.972	
6,200.00	3,343.78	5,719.13	3,092.51	66.04	64.66	-62.65	400.21	-2,873.46	547.14	432.95	114.18	4.792	
6,300.00	3,341.16	5,819.13	3,089.89	68.28	66.96	-62.65	399.91	-2,973.43	547.14	428.81	118.33	4.624	
6,400.00	3,338.55	5,919.13	3,087.27	70.53	69.25	-62.65	399.61	-3,073.39	547.15	424.67	122.48	4.467	
6,500.00	3,335.93	6,019.13	3,084.64	72.78	71.55	-62.65	399.30	-3,173.36	547.16	420.52	126.64	4.321	
6,600.00	3,333.32	6,119.13	3,082.02	75.03	73.85	-62.65	399.00	-3,273.32	547.16	416.37	130.79	4.183	
6,700.00	3,330.71	6,219.13	3,079.40	77.29	76.16	-62.65	398.69	-3,373.29	547.17	412.21	134.95	4.054	
6,800.00	3,328.09	6,319.13	3,076.78	79.55	78.46	-62.65	398.39	-3,473.25	547.17	408.06	139.12	3.933	
6,900.00	3,325.48	6,419.13	3,074.16	81.82	80.77	-62.65	398.09	-3,573.22	547.18	403.90	143.28	3.819	
7,000.00	3,322.86	6,519.13	3,071.54	84.09	83.07	-62.65	397.78	-3,673.18	547.19	399.74	147.45	3.711	
7,100.00	3,320.25	6,619.13	3,068.92	86.37	85.38	-62.65	397.48	-3,773.15	547.19	395.58	151.62	3.609	
7,200.00	3,317.64	6,719.13	3,066.29	88.64	87.69	-62.65	397.17	-3,873.11	547.20	391.41	155.79	3.512	
7,300.00	3,315.02	6,819.13	3,063.67	90.92	90.00	-62.65	396.87	-3,973.08	547.20	387.25	159.96	3.421	
7,400.00	3,312.41	6,919.13	3,061.05	93.21	92.32	-62.64	396.57	-4,073.04	547.21	383.08	164.13	3.334	
7,500.00	3,309.79	7,019.13	3,058.43	95.49	94.63	-62.64	396.26	-4,173.01	547.21	378.91	168.31	3.251	
7,600.00	3,307.18	7,119.13	3,055.81	97.78	96.94	-62.64	395.96	-4,272.97	547.22	374.74	172.48	3.173	
7,700.00	3,304.57	7,219.13	3,053.19	100.07	99.26	-62.64	395.66	-4,372.94	547.23	370.57	176.66	3.098	
7,800.00	3,301.95	7,319.13	3,050.56	102.36	101.58	-62.64	395.35	-4,472.90	547.23	366.40	180.84	3.026	
7,900.00	3,299.34	7,419.13	3,047.94	104.65	103.89	-62.64	395.05	-4,572.87	547.24	362.22	185.02	2.958	
8,000.00	3,296.73	7,519.13	3,045.32	106.95	106.21	-62.64	394.74	-4,672.83	547.24	358.05	189.20	2.892	
8,100.00	3,294.11	7,619.13	3,042.70	109.24	108.53	-62.64	394.44	-4,772.80	547.25	353.87	193.38	2.830	
8,200.00	3,291.50	7,719.13	3,040.08	111.54	110.85	-62.64	394.14	-4,872.76	547.26	349.70	197.56	2.770	
8,300.00	3,288.88	7,819.13	3,037.46	113.84	113.17	-62.64	393.83	-4,972.73	547.26	345.52	201.74	2.713	
8,400.00	3,286.27	7,919.13	3,034.84	116.14	115.49	-62.64	393.53	-5,072.69	547.27	341.34	205.93	2.658	
8,500.00	3,283.66	8,019.13	3,032.21	118.44	117.81	-62.64	393.22	-5,172.66	547.27	337.16	210.11	2.605	
8,600.00	3,281.04	8,119.13	3,029.59	120.75	120.13	-62.64	392.92	-5,272.63	547.28	332.99	214.29	2.554	
8,700.00	3,278.43	8,219.13	3,026.97	123.05	122.45	-62.64	392.62	-5,372.59	547.29	328.81	218.48	2.505	
8,800.00	3,275.81	8,319.13	3,024.35	125.36	124.77	-62.64	392.31	-5,472.56	547.29	324.63	222.67	2.458	
8,900.00	3,273.20	8,419.13	3,021.73	127.66	127.09	-62.64	392.01	-5,572.52	547.30	320.45	226.85	2.413	
9,000.00	3,270.59	8,519.13	3,019.11	129.97	129.42	-62.64	391.71	-5,672.49	547.30	316.26	231.04	2.369	
9,100.00	3,267.97	8,619.13	3,016.48	132.28	131.74	-62.64	391.40	-5,772.45	547.31	312.08	235.23	2.327	
9,200.00	3,265.36	8,719.13	3,013.86	134.59	134.06	-62.63	391.10	-5,872.42	547.32	307.90	239.41	2.286	
9,300.00	3,262.74	8,819.13	3,011.24	136.90	136.39	-62.63	390.79	-5,972.38	547.32	303.72	243.60	2.247	
9,400.00	3,260.13	8,919.13	3,008.62	139.21	138.71	-62.63	390.49	-6,072.35	547.33	299.54	247.79	2.209	
9,402.11	3,260.07	8,921.24	3,008.56	139.26	138.76	-62.63	390.48	-6,074.46	547.33	299.46	247.87	2.208	SF

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 32H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-74.95	0.01	74.95				
100.00	100.00	100.00	100.00	0.92	0.92	180.00	-74.95	0.01	74.95	73.10	1.85	40.550	
200.00	200.00	200.00	200.00	1.53	1.53	180.00	-74.95	0.01	74.95	71.90	3.05	24.554	
300.00	300.00	300.00	300.00	1.95	1.95	180.00	-74.95	0.01	74.95	71.04	3.91	19.179	
400.00	400.00	400.00	400.00	2.31	2.31	180.00	-74.95	0.01	74.95	70.34	4.61	16.248	
500.00	500.00	500.00	500.00	2.61	2.61	180.00	-74.95	0.01	74.95	69.72	5.23	14.334	
600.00	600.00	600.00	600.00	2.89	2.89	180.00	-74.95	0.01	74.95	69.17	5.78	12.958	
700.00	700.00	700.00	700.00	3.15	3.15	180.00	-74.95	0.01	74.95	68.66	6.29	11.907	
800.00	800.00	800.00	800.00	3.39	3.39	180.00	-74.95	0.01	74.95	68.18	6.77	11.070	
900.00	900.00	900.00	900.00	3.61	3.61	180.00	-74.95	0.01	74.95	67.73	7.22	10.382	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	180.00	-74.95	0.01	74.95	67.31	7.65	9.804	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	180.00	-74.95	0.01	74.95	66.90	8.05	9.309	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	180.00	-74.95	0.01	74.95	66.51	8.44	8.879	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	180.00	-74.95	0.01	74.95	66.13	8.82	8.500	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	180.00	-74.95	0.01	74.95	65.77	9.18	8.164	
1,500.00	1,500.00	1,500.00	1,500.00	4.77	4.77	180.00	-74.95	0.01	74.95	65.42	9.53	7.862	CC, ES
1,600.00	1,599.98	1,599.98	1,599.98	5.04	4.94	-150.64	-74.95	0.01	76.47	66.52	9.95	7.683	
1,700.00	1,699.84	1,699.84	1,699.84	5.31	5.10	-152.41	-74.95	0.01	81.07	70.70	10.38	7.814	
1,800.00	1,799.59	1,799.59	1,799.59	5.51	5.27	-154.53	-74.95	0.01	87.32	76.58	10.74	8.134	
1,900.00	1,899.35	1,899.35	1,899.35	5.73	5.43	-156.37	-74.95	0.01	93.66	82.56	11.11	8.434	
2,000.00	1,999.11	1,999.11	1,999.11	5.95	5.58	-157.97	-74.95	0.01	100.10	88.61	11.49	8.715	
2,100.00	2,098.86	2,098.86	2,098.86	6.19	5.73	-159.37	-74.95	0.01	106.60	94.72	11.88	8.975	
2,200.00	2,198.62	2,198.62	2,198.62	6.45	5.88	-160.62	-74.95	0.01	113.15	100.88	12.28	9.217	
2,300.00	2,298.38	2,298.38	2,298.38	6.71	6.03	-161.73	-74.95	0.01	119.76	107.07	12.68	9.442	
2,400.00	2,398.13	2,394.44	2,394.41	6.99	6.19	-162.11	-75.86	-1.07	127.11	114.08	13.03	9.755	
2,500.00	2,497.89	2,484.96	2,484.16	7.27	6.44	-158.74	-83.15	-9.78	139.89	126.58	13.31	10.508	
2,600.00	2,597.64	2,571.06	2,567.54	7.54	6.69	-152.75	-96.78	-26.06	160.32	146.81	13.51	11.863	
2,700.00	2,696.46	2,650.00	2,641.26	8.02	6.93	-145.67	-114.84	-47.62	196.12	182.33	13.79	14.223	
2,800.00	2,792.24	2,717.74	2,701.73	8.50	7.14	-139.36	-134.41	-70.98	249.74	235.73	14.01	17.821	
2,900.00	2,883.14	2,774.56	2,750.04	8.99	7.32	-133.07	-153.59	-93.88	317.19	302.93	14.26	22.248	
3,000.00	2,967.38	2,820.38	2,787.18	9.46	7.47	-125.78	-170.82	-114.45	394.86	380.33	14.53	27.175	
3,100.00	3,043.32	2,850.00	2,810.25	9.90	7.56	-115.84	-182.75	-128.69	479.84	465.10	14.74	32.561	
3,200.00	3,109.49	2,882.87	2,834.92	10.30	7.67	-103.35	-196.70	-145.34	569.52	554.37	15.15	37.590	
3,300.00	3,167.38	2,900.00	2,847.37	10.60	7.72	-99.97	-204.25	-154.35	661.95	646.54	15.41	42.950	
3,400.00	3,224.74	2,921.34	2,862.49	10.91	7.78	-102.45	-213.92	-165.90	755.53	739.79	15.75	47.982	
3,500.00	3,280.13	2,938.73	2,874.47	11.67	7.84	-89.06	-222.01	-175.56	848.92	832.89	16.03	52.946	
3,600.00	3,326.92	2,950.00	2,882.07	13.11	7.87	-75.72	-227.35	-181.94	938.15	921.85	16.30	57.571	
3,700.00	3,363.33	2,976.44	2,899.39	14.72	7.94	-68.64	-240.19	-197.26	1,021.52	1,004.64	16.87	60.540	
3,800.00	3,388.24	3,000.00	2,914.18	16.46	8.01	-64.10	-251.96	-211.31	1,098.11	1,080.62	17.49	62.790	
3,900.00	3,400.91	3,018.88	2,925.59	18.28	8.06	-61.24	-261.61	-222.84	1,166.95	1,148.82	18.14	64.346	
4,000.00	3,401.48	3,046.43	2,941.58	20.11	8.14	-61.10	-276.01	-240.04	1,227.79	1,208.79	19.00	64.614	
4,100.00	3,398.85	3,090.98	2,967.14	21.98	8.48	-63.93	-299.45	-268.02	1,287.37	1,267.08	20.29	63.454	
4,200.00	3,396.22	3,137.87	2,994.03	23.91	8.99	-66.69	-324.11	-297.46	1,347.79	1,326.03	21.75	61.955	
4,300.00	3,393.57	3,187.03	3,022.23	25.87	9.53	-69.33	-349.97	-328.33	1,408.63	1,385.30	23.33	60.378	
4,400.00	3,390.93	3,973.97	3,182.53	27.87	23.23	-81.21	-561.94	-1,028.96	1,434.67	1,389.22	45.45	31.567	
4,500.00	3,388.28	4,118.15	3,178.75	29.87	26.18	-81.44	-563.83	-1,173.06	1,449.13	1,398.37	50.76	28.551	
4,600.00	3,385.64	4,217.60	3,176.15	31.90	28.26	-81.58	-564.13	-1,272.48	1,459.44	1,404.43	55.01	26.529	
4,700.00	3,383.00	4,317.35	3,173.53	33.92	30.38	-81.69	-564.44	-1,372.20	1,466.32	1,406.99	59.33	24.715	
4,800.00	3,380.37	4,417.28	3,170.92	35.95	32.54	-81.78	-564.74	-1,472.10	1,469.74	1,406.06	63.69	23.077	
4,900.00	3,377.76	4,517.28	3,168.30	37.97	34.71	-81.81	-565.04	-1,572.06	1,470.17	1,402.11	68.06	21.602	
5,000.00	3,375.14	4,617.28	3,165.68	40.02	36.91	-81.81	-565.35	-1,672.03	1,470.17	1,397.71	72.46	20.289	
5,100.00	3,372.53	4,717.28	3,163.06	42.09	39.12	-81.81	-565.65	-1,771.99	1,470.17	1,393.28	76.89	19.120	

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

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 32H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	3,369.92	4,817.28	3,160.45	44.19	41.35	-81.81	-565.96	-1,871.96	1,470.18	1,388.84	81.34	18.074	
5,300.00	3,367.30	4,917.28	3,157.83	46.31	43.58	-81.81	-566.26	-1,971.92	1,470.18	1,384.37	85.81	17.133	
5,400.00	3,364.69	5,017.28	3,155.21	48.45	45.83	-81.81	-566.57	-2,071.89	1,470.18	1,379.89	90.30	16.282	
5,500.00	3,362.07	5,117.28	3,152.59	50.61	48.08	-81.81	-566.87	-2,171.85	1,470.19	1,375.39	94.79	15.509	
5,600.00	3,359.46	5,217.28	3,149.97	52.78	50.34	-81.81	-567.17	-2,271.82	1,470.19	1,370.89	99.30	14.805	
5,700.00	3,356.85	5,317.28	3,147.36	54.97	52.61	-81.81	-567.48	-2,371.78	1,470.20	1,366.37	103.82	14.161	
5,800.00	3,354.23	5,417.28	3,144.74	57.17	54.88	-81.80	-567.78	-2,471.75	1,470.20	1,361.85	108.35	13.569	
5,900.00	3,351.62	5,517.28	3,142.12	59.37	57.16	-81.80	-568.09	-2,571.71	1,470.20	1,357.32	112.89	13.024	
6,000.00	3,349.00	5,617.28	3,139.50	61.59	59.44	-81.80	-568.39	-2,671.68	1,470.21	1,352.78	117.43	12.520	
6,100.00	3,346.39	5,717.28	3,136.88	63.81	61.73	-81.80	-568.70	-2,771.64	1,470.21	1,348.23	121.98	12.053	
6,200.00	3,343.78	5,817.28	3,134.27	66.04	64.02	-81.80	-569.00	-2,871.61	1,470.22	1,343.68	126.53	11.619	
6,300.00	3,341.16	5,917.28	3,131.65	68.28	66.31	-81.80	-569.31	-2,971.57	1,470.22	1,339.13	131.09	11.215	
6,400.00	3,338.55	6,017.28	3,129.03	70.53	68.61	-81.80	-569.61	-3,071.54	1,470.22	1,334.57	135.65	10.838	
6,500.00	3,335.93	6,117.28	3,126.41	72.78	70.90	-81.80	-569.91	-3,171.51	1,470.23	1,330.01	140.22	10.485	
6,600.00	3,333.32	6,217.28	3,123.79	75.03	73.20	-81.80	-570.22	-3,271.47	1,470.23	1,325.44	144.79	10.154	
6,700.00	3,330.71	6,317.28	3,121.18	77.29	75.51	-81.80	-570.52	-3,371.44	1,470.23	1,320.87	149.36	9.843	
6,800.00	3,328.09	6,417.28	3,118.56	79.55	77.81	-81.80	-570.83	-3,471.40	1,470.24	1,316.30	153.94	9.551	
6,900.00	3,325.48	6,517.28	3,115.94	81.82	80.12	-81.80	-571.13	-3,571.37	1,470.24	1,311.72	158.52	9.275	
7,000.00	3,322.86	6,617.28	3,113.32	84.09	82.42	-81.80	-571.44	-3,671.33	1,470.25	1,307.15	163.10	9.014	
7,100.00	3,320.25	6,717.28	3,110.70	86.37	84.73	-81.80	-571.74	-3,771.30	1,470.25	1,302.56	167.69	8.768	
7,200.00	3,317.64	6,817.28	3,108.09	88.64	87.04	-81.80	-572.05	-3,871.26	1,470.25	1,297.98	172.27	8.535	
7,300.00	3,315.02	6,917.28	3,105.47	90.92	89.35	-81.80	-572.35	-3,971.23	1,470.26	1,293.40	176.86	8.313	
7,400.00	3,312.41	7,017.28	3,102.85	93.21	91.66	-81.80	-572.65	-4,071.19	1,470.26	1,288.81	181.45	8.103	
7,500.00	3,309.79	7,117.28	3,100.23	95.49	93.98	-81.80	-572.96	-4,171.16	1,470.27	1,284.23	186.04	7.903	
7,600.00	3,307.18	7,217.28	3,097.61	97.78	96.29	-81.80	-573.26	-4,271.12	1,470.27	1,279.64	190.63	7.713	
7,700.00	3,304.57	7,317.28	3,095.00	100.07	98.61	-81.80	-573.57	-4,371.09	1,470.27	1,275.05	195.23	7.531	
7,800.00	3,301.95	7,417.28	3,092.38	102.36	100.92	-81.80	-573.87	-4,471.05	1,470.28	1,270.45	199.82	7.358	
7,900.00	3,299.34	7,517.28	3,089.76	104.65	103.24	-81.80	-574.18	-4,571.02	1,470.28	1,265.86	204.42	7.192	
8,000.00	3,296.73	7,617.28	3,087.14	106.95	105.55	-81.80	-574.48	-4,670.98	1,470.28	1,261.27	209.02	7.034	
8,100.00	3,294.11	7,717.28	3,084.52	109.24	107.87	-81.80	-574.79	-4,770.95	1,470.29	1,256.67	213.62	6.883	
8,200.00	3,291.50	7,817.28	3,081.91	111.54	110.19	-81.80	-575.09	-4,870.91	1,470.29	1,252.08	218.22	6.738	
8,300.00	3,288.88	7,917.28	3,079.29	113.84	112.51	-81.80	-575.39	-4,970.88	1,470.30	1,247.48	222.82	6.599	
8,400.00	3,286.27	8,017.28	3,076.67	116.14	114.83	-81.80	-575.70	-5,070.85	1,470.30	1,242.88	227.42	6.465	
8,500.00	3,283.66	8,117.28	3,074.05	118.44	117.15	-81.80	-576.00	-5,170.81	1,470.30	1,238.28	232.02	6.337	
8,600.00	3,281.04	8,217.28	3,071.43	120.75	119.47	-81.80	-576.31	-5,270.78	1,470.31	1,233.68	236.62	6.214	
8,700.00	3,278.43	8,317.28	3,068.82	123.05	121.79	-81.80	-576.61	-5,370.74	1,470.31	1,229.08	241.23	6.095	
8,800.00	3,275.81	8,417.28	3,066.20	125.36	124.11	-81.80	-576.92	-5,470.71	1,470.32	1,224.48	245.83	5.981	
8,900.00	3,273.20	8,517.28	3,063.58	127.66	126.44	-81.80	-577.22	-5,570.67	1,470.32	1,219.88	250.44	5.871	
9,000.00	3,270.59	8,617.28	3,060.96	129.97	128.76	-81.80	-577.53	-5,670.64	1,470.32	1,215.28	255.04	5.765	
9,100.00	3,267.97	8,717.28	3,058.34	132.28	131.08	-81.80	-577.83	-5,770.60	1,470.33	1,210.68	259.65	5.663	
9,200.00	3,265.36	8,817.28	3,055.73	134.59	133.41	-81.80	-578.13	-5,870.57	1,470.33	1,206.07	264.26	5.564	
9,300.00	3,262.74	8,917.28	3,053.11	136.90	135.73	-81.80	-578.44	-5,970.53	1,470.34	1,201.47	268.87	5.469	
9,400.00	3,260.13	9,017.28	3,050.49	139.21	138.05	-81.80	-578.74	-6,070.50	1,470.34	1,196.87	273.47	5.377	
9,402.11	3,260.07	9,019.40	3,050.44	139.26	138.10	-81.80	-578.75	-6,072.61	1,470.34	1,196.78	273.56	5.375	SF

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 3H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-99.69	0.01	99.69				
100.00	100.00	100.00	100.00	0.92	0.92	180.00	-99.69	0.01	99.69	97.84	1.85	53.935	
200.00	200.00	200.00	200.00	1.53	1.53	180.00	-99.69	0.01	99.69	96.64	3.05	32.659	
300.00	300.00	300.00	300.00	1.95	1.95	180.00	-99.69	0.01	99.69	95.79	3.91	25.510	
400.00	400.00	400.00	400.00	2.31	2.31	180.00	-99.69	0.01	99.69	95.08	4.61	21.611	
500.00	500.00	500.00	500.00	2.61	2.61	180.00	-99.69	0.01	99.69	94.46	5.23	19.066	
600.00	600.00	600.00	600.00	2.89	2.89	180.00	-99.69	0.01	99.69	93.91	5.78	17.236	
700.00	700.00	700.00	700.00	3.15	3.15	180.00	-99.69	0.01	99.69	93.40	6.29	15.837	
800.00	800.00	800.00	800.00	3.39	3.39	180.00	-99.69	0.01	99.69	92.92	6.77	14.724	
900.00	900.00	900.00	900.00	3.61	3.61	180.00	-99.69	0.01	99.69	92.47	7.22	13.809	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	180.00	-99.69	0.01	99.69	92.05	7.65	13.040	
1,100.00	1,100.00	1,100.00	1,100.00	4.03	4.03	180.00	-99.69	0.01	99.69	91.64	8.05	12.382	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	180.00	-99.69	0.01	99.69	91.25	8.44	11.810	
1,300.00	1,300.00	1,300.00	1,300.00	4.41	4.41	180.00	-99.69	0.01	99.69	90.88	8.82	11.306	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	180.00	-99.69	0.01	99.69	90.51	9.18	10.859	
1,500.00	1,500.00	1,500.00	1,500.00	4.77	4.77	180.00	-99.69	0.01	99.69	90.16	9.53	10.457	CC, ES
1,600.00	1,599.98	1,599.98	1,599.98	5.04	4.94	-150.48	-99.69	0.01	101.21	91.26	9.95	10.170	
1,700.00	1,699.84	1,699.84	1,699.84	5.31	5.10	-151.84	-99.69	0.01	105.79	95.42	10.37	10.199	
1,800.00	1,799.59	1,799.59	1,799.59	5.51	5.27	-153.52	-99.69	0.01	112.00	101.26	10.73	10.436	
1,900.00	1,899.35	1,899.35	1,899.35	5.73	5.43	-155.03	-99.69	0.01	118.28	107.18	11.10	10.656	
2,000.00	1,999.11	1,999.11	1,999.11	5.95	5.58	-156.38	-99.69	0.01	124.64	113.17	11.48	10.858	
2,100.00	2,098.86	2,098.86	2,098.86	6.19	5.73	-157.60	-99.69	0.01	131.07	119.20	11.87	11.044	
2,200.00	2,198.62	2,198.62	2,198.62	6.45	5.88	-158.71	-99.69	0.01	137.55	125.28	12.27	11.214	
2,300.00	2,298.38	2,298.38	2,298.38	6.71	6.03	-159.72	-99.69	0.01	144.07	131.40	12.67	11.370	
2,400.00	2,398.13	2,398.13	2,398.13	6.99	6.17	-160.64	-99.69	0.01	150.63	137.55	13.08	11.513	
2,500.00	2,497.89	2,497.89	2,497.89	7.27	6.32	-161.48	-99.69	0.01	157.23	143.73	13.50	11.644	
2,600.00	2,597.64	2,597.64	2,597.64	7.54	6.46	-162.24	-99.69	0.01	163.89	149.98	13.92	11.777	
2,700.00	2,696.46	2,680.62	2,680.46	8.02	6.65	-162.14	-103.70	-1.86	182.25	167.80	14.45	12.616	
2,800.00	2,792.24	2,755.73	2,754.53	8.50	6.84	-160.82	-114.78	-7.03	221.60	206.73	14.87	14.898	
2,900.00	2,883.14	2,819.67	2,816.29	8.99	7.02	-158.60	-129.71	-13.99	279.16	263.93	15.23	18.333	
3,000.00	2,967.38	2,870.83	2,864.49	9.46	7.16	-155.39	-145.22	-21.22	351.38	335.88	15.51	22.662	
3,100.00	3,043.32	2,909.31	2,899.87	9.90	7.27	-150.46	-158.91	-27.61	434.62	418.88	15.73	27.624	
3,200.00	3,109.49	2,936.13	2,924.03	10.30	7.35	-141.89	-169.47	-32.53	525.53	509.61	15.91	33.023	
3,300.00	3,167.38	2,950.00	2,936.35	10.60	7.39	-138.63	-175.25	-35.22	620.61	604.62	15.99	38.812	
3,400.00	3,224.74	2,970.45	2,954.28	10.91	7.45	-140.31	-184.16	-39.38	716.44	700.28	16.16	44.329	
3,500.00	3,280.13	2,984.49	2,966.42	11.67	7.50	-115.29	-190.54	-42.35	812.54	796.26	16.28	49.920	
3,600.00	3,326.92	3,000.00	2,979.68	13.11	7.54	-90.95	-197.84	-45.76	907.03	890.57	16.46	55.112	
3,700.00	3,363.33	3,000.00	2,979.68	14.72	7.54	-75.34	-197.84	-45.76	997.99	981.49	16.50	60.487	
3,800.00	3,388.24	3,000.00	2,979.68	16.46	7.54	-66.20	-197.84	-45.76	1,084.10	1,067.51	16.59	65.364	
3,900.00	3,400.91	3,016.81	2,993.84	18.28	7.59	-62.09	-206.05	-49.59	1,163.84	1,146.93	16.92	68.799	
4,000.00	3,401.48	3,019.86	2,996.38	20.11	7.60	-60.17	-207.57	-50.30	1,237.03	1,219.92	17.11	72.294	
4,100.00	3,398.85	3,023.16	2,999.13	21.98	7.61	-61.46	-209.23	-51.07	1,309.63	1,292.26	17.36	75.425	
4,200.00	3,396.22	3,027.49	3,002.73	23.91	7.63	-62.81	-211.42	-52.09	1,383.64	1,366.02	17.62	78.505	
4,300.00	3,393.57	3,032.93	3,007.22	25.87	7.64	-64.20	-214.20	-53.39	1,458.76	1,440.87	17.90	81.504	
4,400.00	3,390.93	3,050.00	3,021.16	27.87	7.69	-66.22	-223.13	-57.55	1,534.79	1,516.48	18.31	83.815	
4,500.00	3,388.28	3,050.00	3,021.16	29.87	7.69	-67.21	-223.13	-57.55	1,611.29	1,592.77	18.52	87.024	
4,600.00	3,385.64	3,050.00	3,021.16	31.90	7.69	-68.18	-223.13	-57.55	1,688.27	1,669.56	18.72	90.207	
4,700.00	3,383.00	3,067.37	3,035.10	33.92	7.75	-69.97	-232.52	-61.93	1,765.44	1,746.30	19.14	92.228	
4,800.00	3,380.37	3,079.77	3,044.90	35.95	7.78	-71.42	-239.40	-65.14	1,842.70	1,823.20	19.50	94.480	
4,900.00	3,377.76	3,100.00	3,060.60	37.97	7.84	-72.72	-250.97	-70.53	1,920.18	1,900.22	19.95	96.234	
5,000.00	3,375.14	5,161.53	3,434.82	40.02	38.79	-91.76	-1,050.57	-1,677.69	1,941.28	1,868.08	73.20	26.521	
5,100.00	3,372.53	5,261.53	3,432.21	42.09	40.85	-91.76	-1,050.87	-1,777.66	1,941.28	1,863.65	77.63	25.007	

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

Stryker Directional

Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Offset Design The Horned Frog - The Horned Frog 3H - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

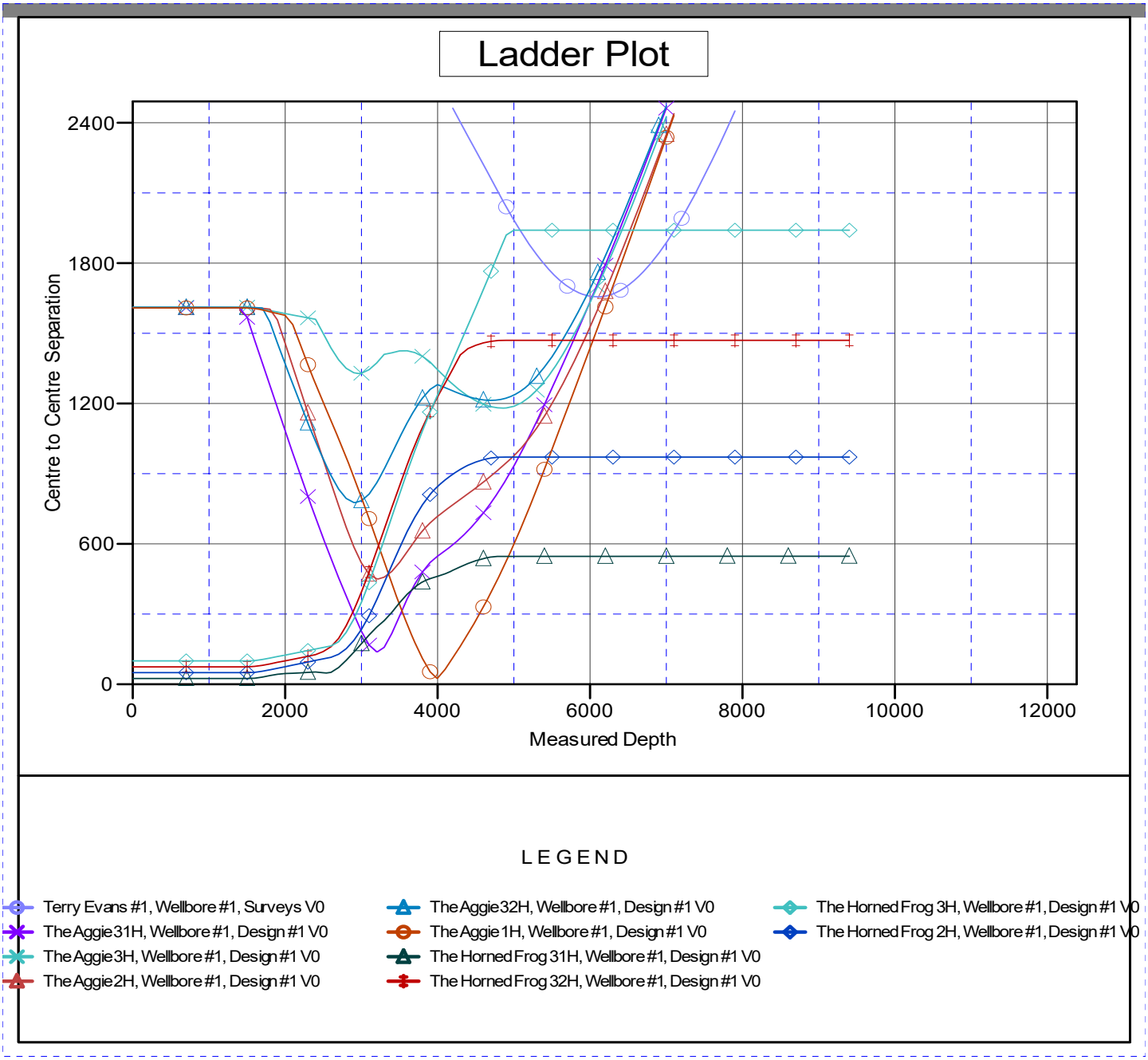
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	3,369.92	5,361.53	3,429.60	44.19	42.93	-91.76	-1,051.17	-1,877.62	1,941.28	1,859.19	82.09	23.649	
5,300.00	3,367.30	5,461.53	3,426.99	46.31	45.04	-91.76	-1,051.47	-1,977.59	1,941.28	1,854.71	86.57	22.425	
5,400.00	3,364.69	5,561.53	3,424.37	48.45	47.17	-91.76	-1,051.77	-2,077.55	1,941.27	1,850.21	91.07	21.317	
5,500.00	3,362.07	5,661.53	3,421.76	50.61	49.32	-91.76	-1,052.07	-2,177.52	1,941.27	1,845.69	95.58	20.310	
5,600.00	3,359.46	5,761.53	3,419.15	52.78	51.49	-91.76	-1,052.37	-2,277.48	1,941.27	1,841.16	100.11	19.392	
5,700.00	3,356.85	5,861.53	3,416.54	54.97	53.67	-91.76	-1,052.67	-2,377.45	1,941.27	1,836.62	104.65	18.550	
5,800.00	3,354.23	5,961.53	3,413.93	57.17	55.86	-91.76	-1,052.96	-2,477.41	1,941.27	1,832.07	109.20	17.777	
5,900.00	3,351.62	6,061.53	3,411.32	59.37	58.07	-91.76	-1,053.26	-2,577.38	1,941.27	1,827.51	113.76	17.065	
6,000.00	3,349.00	6,161.53	3,408.70	61.59	60.28	-91.76	-1,053.56	-2,677.34	1,941.26	1,822.94	118.33	16.406	
6,100.00	3,346.39	6,261.53	3,406.09	63.81	62.51	-91.76	-1,053.86	-2,777.31	1,941.26	1,818.36	122.90	15.795	
6,200.00	3,343.78	6,361.53	3,403.48	66.04	64.74	-91.76	-1,054.16	-2,877.28	1,941.26	1,813.78	127.48	15.228	
6,300.00	3,341.16	6,461.53	3,400.87	68.28	66.97	-91.76	-1,054.46	-2,977.24	1,941.26	1,809.19	132.07	14.699	
6,400.00	3,338.55	6,561.53	3,398.26	70.53	69.22	-91.76	-1,054.76	-3,077.21	1,941.26	1,804.60	136.66	14.205	
6,500.00	3,335.93	6,661.53	3,395.65	72.78	71.47	-91.76	-1,055.06	-3,177.17	1,941.26	1,800.00	141.26	13.742	
6,600.00	3,333.32	6,761.53	3,393.03	75.03	73.72	-91.76	-1,055.36	-3,277.14	1,941.25	1,795.39	145.86	13.309	
6,700.00	3,330.71	6,861.53	3,390.42	77.29	75.98	-91.76	-1,055.66	-3,377.10	1,941.25	1,790.79	150.47	12.902	
6,800.00	3,328.09	6,961.53	3,387.81	79.55	78.25	-91.76	-1,055.96	-3,477.07	1,941.25	1,786.18	155.08	12.518	
6,900.00	3,325.48	7,061.53	3,385.20	81.82	80.52	-91.76	-1,056.26	-3,577.03	1,941.25	1,781.56	159.69	12.157	
7,000.00	3,322.86	7,161.53	3,382.59	84.09	82.79	-91.76	-1,056.56	-3,677.00	1,941.25	1,776.95	164.30	11.815	
7,100.00	3,320.25	7,261.53	3,379.98	86.37	85.07	-91.76	-1,056.86	-3,776.96	1,941.25	1,772.33	168.92	11.492	
7,200.00	3,317.64	7,361.53	3,377.36	88.64	87.35	-91.76	-1,057.16	-3,876.93	1,941.25	1,767.70	173.54	11.186	
7,300.00	3,315.02	7,461.53	3,374.75	90.92	89.63	-91.76	-1,057.46	-3,976.90	1,941.24	1,763.08	178.16	10.896	
7,400.00	3,312.41	7,561.53	3,372.14	93.21	91.91	-91.76	-1,057.76	-4,076.86	1,941.24	1,758.45	182.79	10.620	
7,500.00	3,309.79	7,661.53	3,369.53	95.49	94.20	-91.76	-1,058.06	-4,176.83	1,941.24	1,753.82	187.42	10.358	
7,600.00	3,307.18	7,761.53	3,366.92	97.78	96.49	-91.76	-1,058.35	-4,276.79	1,941.24	1,749.19	192.04	10.108	
7,700.00	3,304.57	7,861.53	3,364.30	100.07	98.78	-91.76	-1,058.65	-4,376.76	1,941.24	1,744.56	196.68	9.870	
7,800.00	3,301.95	7,961.53	3,361.69	102.36	101.07	-91.76	-1,058.95	-4,476.72	1,941.24	1,739.93	201.31	9.643	
7,900.00	3,299.34	8,061.53	3,359.08	104.65	103.37	-91.76	-1,059.25	-4,576.69	1,941.23	1,735.29	205.94	9.426	
8,000.00	3,296.73	8,161.53	3,356.47	106.95	105.66	-91.76	-1,059.55	-4,676.65	1,941.23	1,730.66	210.58	9.219	
8,100.00	3,294.11	8,261.53	3,353.86	109.24	107.96	-91.76	-1,059.85	-4,776.62	1,941.23	1,726.02	215.21	9.020	
8,200.00	3,291.50	8,361.53	3,351.25	111.54	110.26	-91.76	-1,060.15	-4,876.58	1,941.23	1,721.38	219.85	8.830	
8,300.00	3,288.88	8,461.53	3,348.63	113.84	112.56	-91.76	-1,060.45	-4,976.55	1,941.23	1,716.74	224.49	8.647	
8,400.00	3,286.27	8,561.53	3,346.02	116.14	114.86	-91.76	-1,060.75	-5,076.51	1,941.23	1,712.10	229.13	8.472	
8,500.00	3,283.66	8,661.53	3,343.41	118.44	117.17	-91.76	-1,061.05	-5,176.48	1,941.22	1,707.46	233.77	8.304	
8,600.00	3,281.04	8,761.53	3,340.80	120.75	119.47	-91.76	-1,061.35	-5,276.45	1,941.22	1,702.82	238.41	8.142	
8,700.00	3,278.43	8,861.53	3,338.19	123.05	121.78	-91.76	-1,061.65	-5,376.41	1,941.22	1,698.17	243.05	7.987	
8,800.00	3,275.81	8,961.53	3,335.58	125.36	124.09	-91.76	-1,061.95	-5,476.38	1,941.22	1,693.53	247.69	7.837	
8,900.00	3,273.20	9,061.53	3,332.96	127.66	126.39	-91.76	-1,062.25	-5,576.34	1,941.22	1,688.88	252.34	7.693	
9,000.00	3,270.59	9,161.53	3,330.35	129.97	128.70	-91.76	-1,062.55	-5,676.31	1,941.22	1,684.23	256.98	7.554	
9,100.00	3,267.97	9,261.53	3,327.74	132.28	131.01	-91.77	-1,062.85	-5,776.27	1,941.22	1,679.59	261.63	7.420	
9,200.00	3,265.36	9,361.53	3,325.13	134.59	133.32	-91.77	-1,063.15	-5,876.24	1,941.21	1,674.94	266.27	7.290	
9,300.00	3,262.74	9,461.53	3,322.52	136.90	135.63	-91.77	-1,063.45	-5,976.20	1,941.21	1,670.29	270.92	7.165	
9,400.00	3,260.13	9,561.53	3,319.91	139.21	137.95	-91.77	-1,063.74	-6,076.17	1,941.21	1,665.64	275.57	7.044	
9,402.11	3,260.07	9,563.64	3,319.85	139.26	137.99	-91.77	-1,063.75	-6,078.28	1,941.21	1,665.55	275.66	7.042	SF

Stryker Directional
Anticollision Report

Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to RKB @ 3311.00usft (20' Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: The Horned Frog 1H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.00°

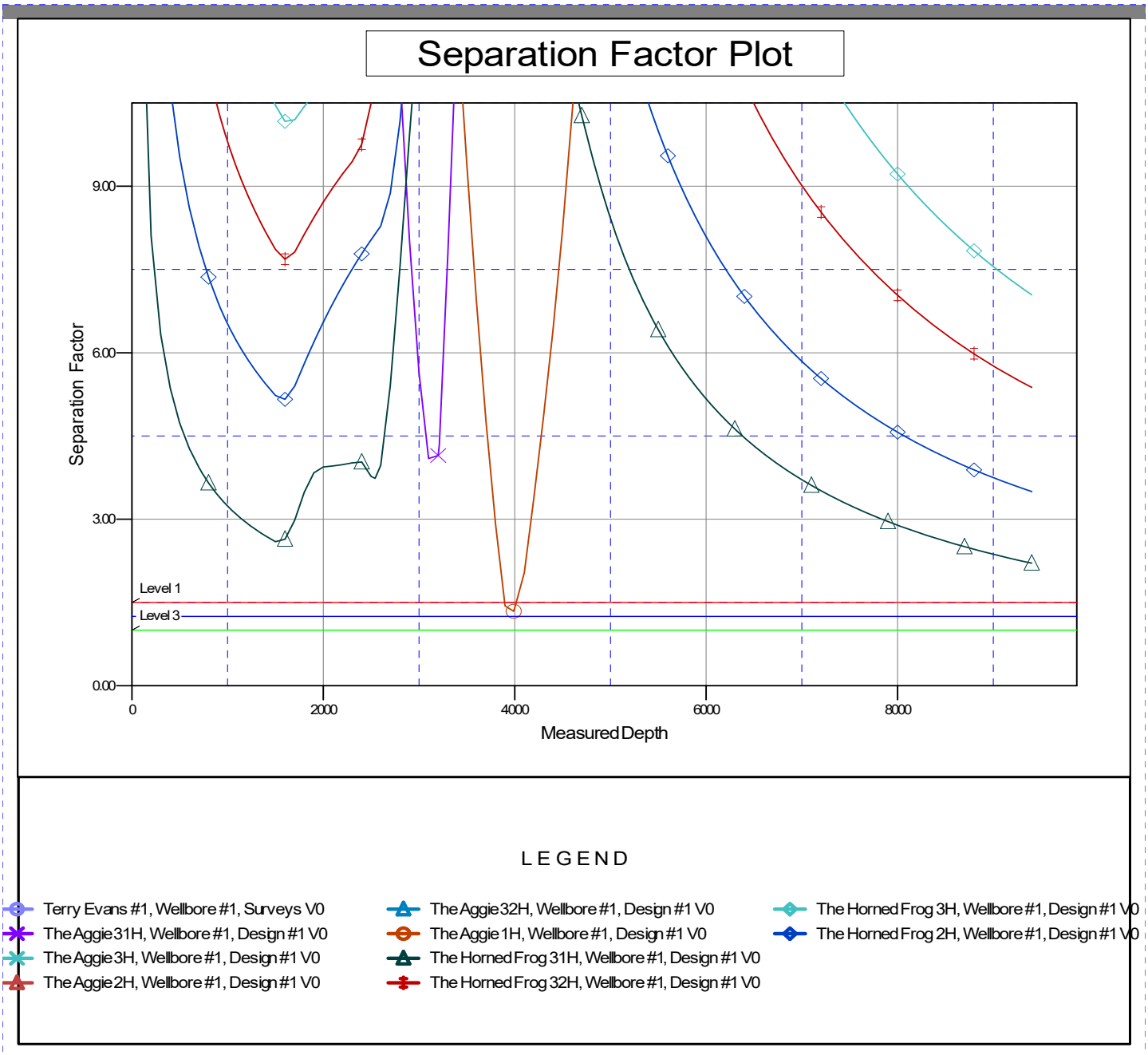


Stryker Directional
Anticollision Report

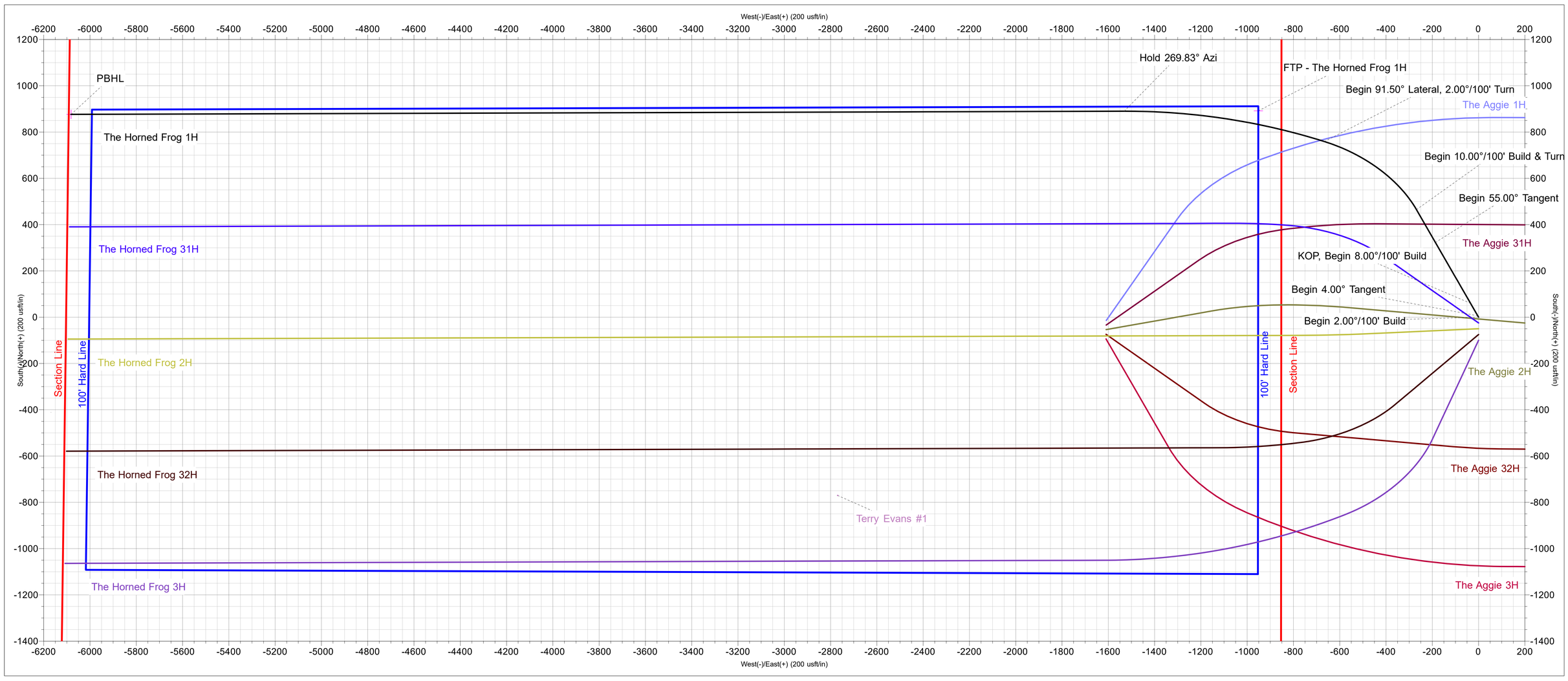
Company:	Riley Permian	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Project:	Eddy County, New Mexico (NAD83)	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Reference Site:	The Horned Frog	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000 Server
Reference Design:	Design #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to RKB @ 3311.00usft (20' Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: The Horned Frog 1H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.00°

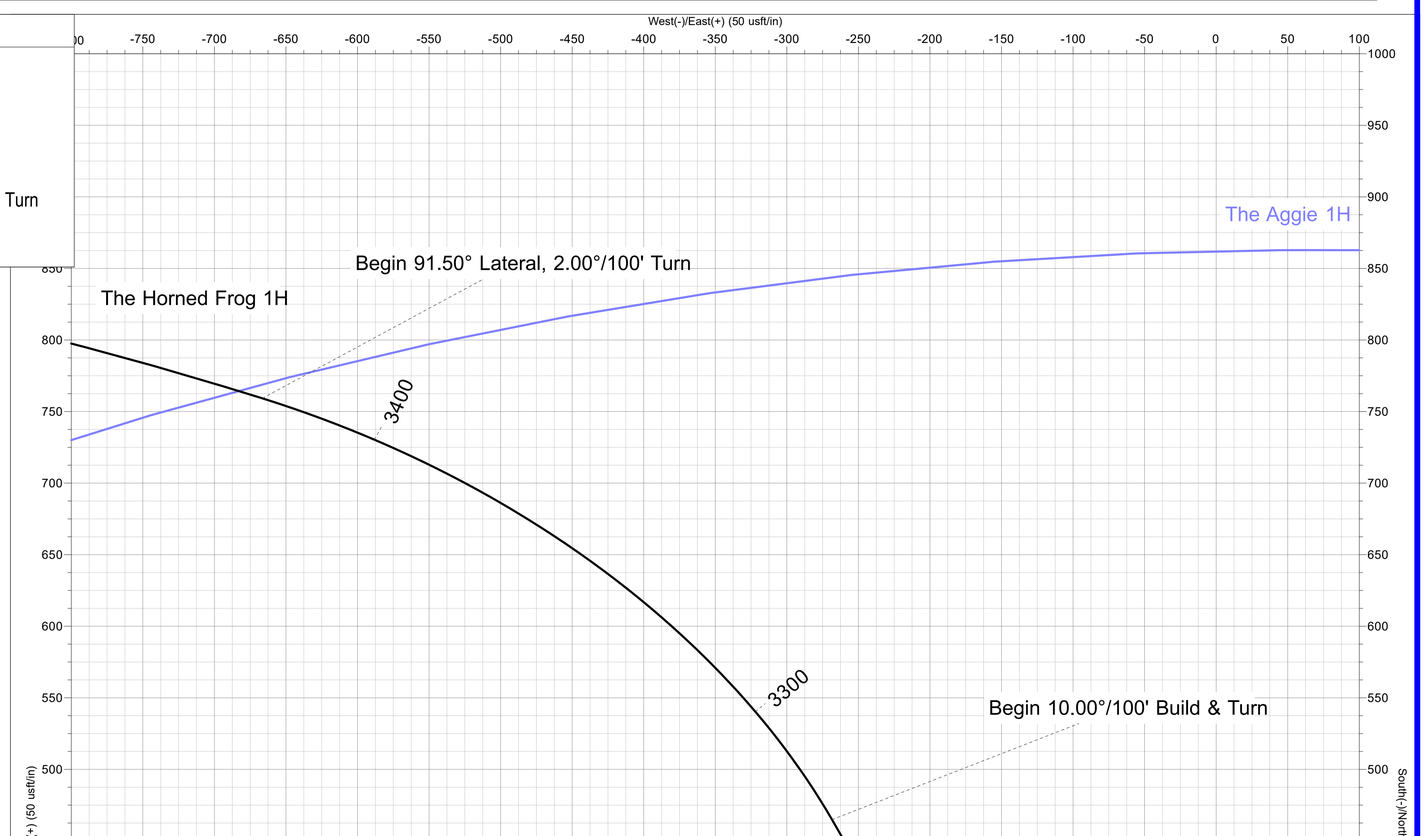


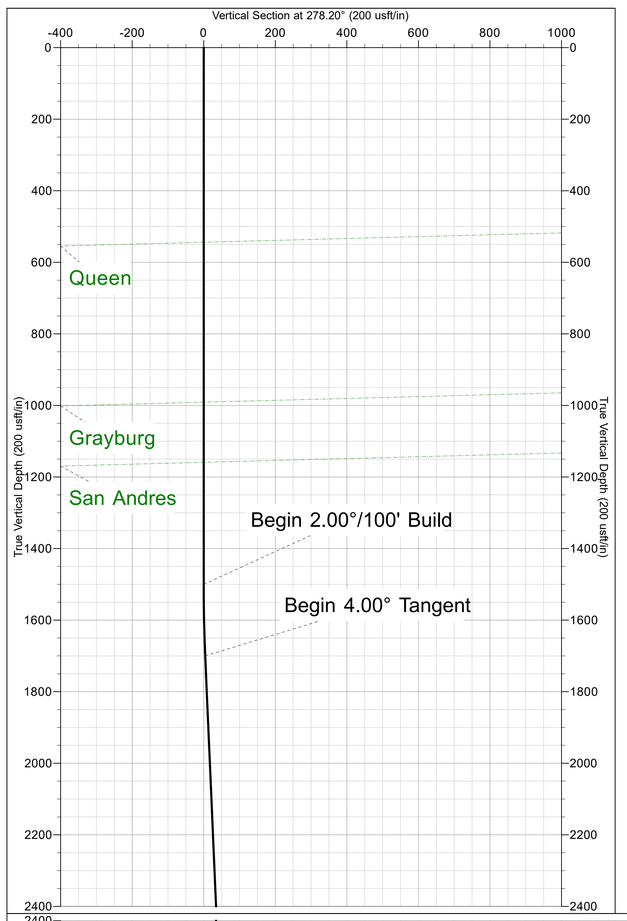
Company: Riley Permian
Site: The Horned Frog
Well: The Horned Frog 1H
Project: Eddy County, New Mexico (NAD83)
Rig: 20' Rig
To convert a Magnetic Direction to a Grid Direction, Add 6.58°



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	Begin 2.00°/100' Build
1700.00	4.00	330.00	1699.84	6.04	-3.49	4.32	6.98	Begin 4.00° Tangent
2593.34	4.00	330.00	2591.00	60.01	-34.65	42.85	69.29	KOP, Begin 8.00°/100' Build
3230.84	55.00	330.00	3127.72	322.99	-186.48	230.64	372.95	Begin 55.00° Tangent
3430.84	55.00	330.00	3242.43	464.87	-268.39	331.95	536.78	Begin 10.00°/100' Build & Turn
3970.86	91.50	287.40	3402.24	759.26	-666.46	767.94	1042.90	Begin 91.50° Lateral, 2.00°/100' Turn
4849.19	91.50	269.83	3379.09	890.24	-1531.18	1642.50	1920.92	Hold 269.83° Azi
9401.12	91.50	269.83	3260.10	876.54	-6081.54	6144.38	6471.30	PBHL





Riley Permian

Eddy County, New Mexico (NAD83)
The Horned Frog
The Horned Frog 1H

Wellbore #1

Plan: Design #1

Standard Planning Report

19 February, 2026

Stryker Directional
Planning Report

Database:	EDM 5000 Server	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Company:	Riley Permian	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Project:	Eddy County, New Mexico (NAD83)	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site:	The Horned Frog	**North Reference:**	Grid
Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Eddy County, New Mexico (NAD83)

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

Site The Horned Frog

Site Position:		**Northing:**	631,931.33 usft	**Latitude:**	32.737217
From:	Lat/Long	**Easting:**	544,178.43 usft	**Longitude:**	-104.324094
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.00 °

Well The Horned Frog 1H

Well Position	**+N/-S**	0.00 usft	**Northing:**	631,931.33 usft	**Latitude:**	32.737217
	+E/-W	0.00 usft	**Easting:**	544,178.43 usft	**Longitude:**	-104.324094
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,291.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	OUNDLAB_HRGM	2/19/2026	6.58	60.24	47,241.07851729

Design Design #1

Audit Notes:

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

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	278.20

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	4.00	330.00	1,699.84	6.04	-3.49	2.00	2.00	0.00	330.00	
2,593.34	4.00	330.00	2,591.00	60.01	-34.65	0.00	0.00	0.00	0.00	
3,230.84	55.00	330.00	3,127.72	322.99	-186.48	8.00	8.00	0.00	0.00	
3,430.84	55.00	330.00	3,242.43	464.87	-268.39	0.00	0.00	0.00	0.00	
3,970.86	91.50	287.40	3,402.24	759.26	-666.46	10.00	6.76	-7.89	-56.76	
4,849.19	91.50	269.83	3,379.09	890.24	-1,531.18	2.00	0.00	-2.00	-89.78	
9,401.12	91.50	269.83	3,260.10	876.54	-6,081.54	0.00	0.00	0.00	0.00	PBHL - The Horned

Stryker Directional
Planning Report

Database:	EDM 5000 Server	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Company:	Riley Permian	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Project:	Eddy County, New Mexico (NAD83)	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site:	The Horned Frog	**North Reference:**	Grid
Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin 2.00°/100' Build									
1,600.00	2.00	330.00	1,599.98	1.51	-0.87	1.08	2.00	2.00	0.00
1,700.00	4.00	330.00	1,699.84	6.04	-3.49	4.32	2.00	2.00	0.00
Begin 4.00° Tangent									
1,800.00	4.00	330.00	1,799.59	12.08	-6.98	8.63	0.00	0.00	0.00
1,900.00	4.00	330.00	1,899.35	18.13	-10.46	12.94	0.00	0.00	0.00
2,000.00	4.00	330.00	1,999.11	24.17	-13.95	17.26	0.00	0.00	0.00
2,100.00	4.00	330.00	2,098.86	30.21	-17.44	21.57	0.00	0.00	0.00
2,200.00	4.00	330.00	2,198.62	36.25	-20.93	25.88	0.00	0.00	0.00
2,300.00	4.00	330.00	2,298.38	42.29	-24.42	30.20	0.00	0.00	0.00
2,400.00	4.00	330.00	2,398.13	48.33	-27.90	34.51	0.00	0.00	0.00
2,500.00	4.00	330.00	2,497.89	54.37	-31.39	38.83	0.00	0.00	0.00
2,593.34	4.00	330.00	2,591.00	60.01	-34.65	42.85	0.00	0.00	0.00
KOP, Begin 8.00°/100' Build									
2,600.00	4.53	330.00	2,597.64	60.44	-34.90	43.16	8.00	8.00	0.00
2,650.00	8.53	330.00	2,647.31	65.37	-37.74	46.68	8.00	8.00	0.00
2,700.00	12.53	330.00	2,696.46	73.28	-42.31	52.33	8.00	8.00	0.00
2,750.00	16.53	330.00	2,744.85	84.14	-48.58	60.09	8.00	8.00	0.00
2,800.00	20.53	330.00	2,792.24	97.90	-56.52	69.91	8.00	8.00	0.00
2,850.00	24.53	330.00	2,838.42	114.49	-66.10	81.76	8.00	8.00	0.00
2,900.00	28.53	330.00	2,883.14	133.83	-77.27	95.57	8.00	8.00	0.00
2,950.00	32.53	330.00	2,926.20	155.83	-89.97	111.27	8.00	8.00	0.00
3,000.00	36.53	330.00	2,967.38	180.37	-104.14	128.80	8.00	8.00	0.00
3,050.00	40.53	330.00	3,006.49	207.34	-119.71	148.06	8.00	8.00	0.00
3,100.00	44.53	330.00	3,043.32	236.60	-136.60	168.95	8.00	8.00	0.00
3,150.00	48.53	330.00	3,077.71	268.03	-154.74	191.39	8.00	8.00	0.00
3,200.00	52.53	330.00	3,109.49	301.45	-174.04	215.26	8.00	8.00	0.00
3,230.84	55.00	330.00	3,127.72	322.99	-186.48	230.64	8.00	8.00	0.00
Begin 55.00° Tangent									
3,300.00	55.00	330.00	3,167.38	372.05	-214.80	265.67	0.00	0.00	0.00
3,400.00	55.00	330.00	3,224.74	442.99	-255.76	316.33	0.00	0.00	0.00
3,430.84	55.00	330.00	3,242.43	464.87	-268.39	331.95	0.00	0.00	0.00
Begin 10.00°/100' Build & Turn									
3,450.00	56.07	328.07	3,253.28	478.41	-276.52	341.93	10.00	5.56	-10.08
3,500.00	58.98	323.25	3,280.13	513.20	-300.33	370.45	10.00	5.83	-9.63
3,550.00	62.06	318.73	3,304.74	546.99	-327.73	402.40	10.00	6.17	-9.05
3,600.00	65.29	314.46	3,326.92	579.52	-358.53	437.52	10.00	6.44	-8.53
3,650.00	68.62	310.41	3,346.50	610.54	-392.48	475.55	10.00	6.67	-8.10

Stryker Directional
Planning Report

Database:	EDM 5000 Server	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Company:	Riley Permian	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Project:	Eddy County, New Mexico (NAD83)	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site:	The Horned Frog	**North Reference:**	Grid
Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,700.00	72.05	306.55	3,363.33	639.81	-429.34	516.21	10.00	6.86	-7.73
3,750.00	75.55	302.83	3,377.28	667.12	-468.81	559.17	10.00	7.01	-7.43
3,800.00	79.11	299.23	3,388.24	692.25	-510.60	604.12	10.00	7.12	-7.20
3,850.00	82.71	295.72	3,396.14	715.01	-554.40	650.71	10.00	7.20	-7.03
3,900.00	86.34	292.26	3,400.91	735.24	-599.86	698.59	10.00	7.25	-6.92
3,950.00	89.98	288.83	3,402.51	752.77	-646.64	747.40	10.00	7.28	-6.86
3,970.86	91.50	287.40	3,402.24	759.26	-666.46	767.94	10.00	7.28	-6.85
Begin 91.50° Lateral, 2.00°/100' Turn									
4,000.00	91.50	286.82	3,401.48	767.82	-694.30	796.72	2.00	0.01	-2.00
4,100.00	91.51	284.82	3,398.85	795.07	-790.48	895.80	2.00	0.01	-2.00
4,200.00	91.51	282.82	3,396.22	818.94	-887.55	995.28	2.00	0.00	-2.00
4,300.00	91.52	280.81	3,393.57	839.41	-985.39	1,095.04	2.00	0.00	-2.00
4,400.00	91.52	278.81	3,390.93	856.45	-1,083.89	1,194.96	2.00	0.00	-2.00
4,500.00	91.52	276.81	3,388.28	870.04	-1,182.92	1,294.92	2.00	0.00	-2.00
4,600.00	91.51	274.81	3,385.64	880.16	-1,282.36	1,394.79	2.00	0.00	-2.00
4,700.00	91.51	272.81	3,383.00	886.81	-1,382.10	1,494.46	2.00	0.00	-2.00
4,800.00	91.50	270.81	3,380.37	889.97	-1,482.01	1,593.80	2.00	-0.01	-2.00
4,849.19	91.50	269.83	3,379.09	890.24	-1,531.18	1,642.50	2.00	-0.01	-2.00
Hold 269.83° Azi									
4,900.00	91.50	269.83	3,377.76	890.09	-1,581.98	1,692.76	0.00	0.00	0.00
5,000.00	91.50	269.83	3,375.14	889.79	-1,681.94	1,791.66	0.00	0.00	0.00
5,100.00	91.50	269.83	3,372.53	889.49	-1,781.91	1,890.56	0.00	0.00	0.00
5,200.00	91.50	269.83	3,369.92	889.19	-1,881.87	1,989.46	0.00	0.00	0.00
5,300.00	91.50	269.83	3,367.30	888.89	-1,981.84	2,088.36	0.00	0.00	0.00
5,400.00	91.50	269.83	3,364.69	888.58	-2,081.80	2,187.26	0.00	0.00	0.00
5,500.00	91.50	269.83	3,362.07	888.28	-2,181.77	2,286.16	0.00	0.00	0.00
5,600.00	91.50	269.83	3,359.46	887.98	-2,281.74	2,385.06	0.00	0.00	0.00
5,700.00	91.50	269.83	3,356.85	887.68	-2,381.70	2,483.96	0.00	0.00	0.00
5,800.00	91.50	269.83	3,354.23	887.38	-2,481.67	2,582.86	0.00	0.00	0.00
5,900.00	91.50	269.83	3,351.62	887.08	-2,581.63	2,681.76	0.00	0.00	0.00
6,000.00	91.50	269.83	3,349.00	886.78	-2,681.60	2,780.66	0.00	0.00	0.00
6,100.00	91.50	269.83	3,346.39	886.48	-2,781.56	2,879.56	0.00	0.00	0.00
6,200.00	91.50	269.83	3,343.78	886.18	-2,881.53	2,978.46	0.00	0.00	0.00
6,300.00	91.50	269.83	3,341.16	885.87	-2,981.49	3,077.36	0.00	0.00	0.00
6,400.00	91.50	269.83	3,338.55	885.57	-3,081.46	3,176.26	0.00	0.00	0.00
6,500.00	91.50	269.83	3,335.93	885.27	-3,181.42	3,275.16	0.00	0.00	0.00
6,600.00	91.50	269.83	3,333.32	884.97	-3,281.39	3,374.07	0.00	0.00	0.00
6,700.00	91.50	269.83	3,330.71	884.67	-3,381.35	3,472.97	0.00	0.00	0.00
6,800.00	91.50	269.83	3,328.09	884.37	-3,481.32	3,571.87	0.00	0.00	0.00
6,900.00	91.50	269.83	3,325.48	884.07	-3,581.29	3,670.77	0.00	0.00	0.00
7,000.00	91.50	269.83	3,322.86	883.77	-3,681.25	3,769.67	0.00	0.00	0.00
7,100.00	91.50	269.83	3,320.25	883.47	-3,781.22	3,868.57	0.00	0.00	0.00
7,200.00	91.50	269.83	3,317.64	883.16	-3,881.18	3,967.47	0.00	0.00	0.00
7,300.00	91.50	269.83	3,315.02	882.86	-3,981.15	4,066.37	0.00	0.00	0.00
7,400.00	91.50	269.83	3,312.41	882.56	-4,081.11	4,165.27	0.00	0.00	0.00
7,500.00	91.50	269.83	3,309.79	882.26	-4,181.08	4,264.17	0.00	0.00	0.00
7,600.00	91.50	269.83	3,307.18	881.96	-4,281.04	4,363.07	0.00	0.00	0.00
7,700.00	91.50	269.83	3,304.57	881.66	-4,381.01	4,461.97	0.00	0.00	0.00
7,800.00	91.50	269.83	3,301.95	881.36	-4,480.97	4,560.87	0.00	0.00	0.00
7,900.00	91.50	269.83	3,299.34	881.06	-4,580.94	4,659.77	0.00	0.00	0.00
8,000.00	91.50	269.83	3,296.73	880.76	-4,680.90	4,758.67	0.00	0.00	0.00
8,100.00	91.50	269.83	3,294.11	880.45	-4,780.87	4,857.57	0.00	0.00	0.00
8,200.00	91.50	269.83	3,291.50	880.15	-4,880.84	4,956.47	0.00	0.00	0.00

Stryker Directional
Planning Report

Database:	EDM 5000 Server	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Company:	Riley Permian	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Project:	Eddy County, New Mexico (NAD83)	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site:	The Horned Frog	**North Reference:**	Grid
Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,300.00	91.50	269.83	3,288.88	879.85	-4,980.80	5,055.37	0.00	0.00	0.00
8,400.00	91.50	269.83	3,286.27	879.55	-5,080.77	5,154.27	0.00	0.00	0.00
8,500.00	91.50	269.83	3,283.66	879.25	-5,180.73	5,253.17	0.00	0.00	0.00
8,600.00	91.50	269.83	3,281.04	878.95	-5,280.70	5,352.07	0.00	0.00	0.00
8,700.00	91.50	269.83	3,278.43	878.65	-5,380.66	5,450.97	0.00	0.00	0.00
8,800.00	91.50	269.83	3,275.81	878.35	-5,480.63	5,549.87	0.00	0.00	0.00
8,900.00	91.50	269.83	3,273.20	878.05	-5,580.59	5,648.77	0.00	0.00	0.00
9,000.00	91.50	269.83	3,270.59	877.74	-5,680.56	5,747.67	0.00	0.00	0.00
9,100.00	91.50	269.83	3,267.97	877.44	-5,780.52	5,846.57	0.00	0.00	0.00
9,200.00	91.50	269.83	3,265.36	877.14	-5,880.49	5,945.47	0.00	0.00	0.00
9,300.00	91.50	269.83	3,262.74	876.84	-5,980.45	6,044.37	0.00	0.00	0.00
9,401.12	91.50	269.83	3,260.10	876.54	-6,081.54	6,144.38	0.00	0.00	0.00
PBHL									

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
PBHL - The Horned F - plan hits target center - Point	0.00	0.00	3,260.10	876.54	-6,081.54	632,807.79	538,097.44	32.739626	-104.343871
FTP - The Horned Frc - plan misses target center by 57.83usft at 4277.51usft MD (3394.17 TVD, 835.10 N, -963.32 E) - Point	0.00	0.00	3,394.49	891.71	-951.49	632,822.96	543,227.03	32.739668	-104.327188

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
544.00	544.00	Queen		-1.50	278.20
991.00	991.00	Grayburg		-1.50	278.20
1,159.00	1,159.00	San Andres		-1.50	278.20
2,770.41	2,764.33	Glorieta		-1.50	278.20
2,902.66	2,885.48	Paddock		-1.50	278.20
3,413.59	3,232.54	Blinebry		-1.50	278.20
3,924.36	3,402.09	Target		-1.50	278.20

Stryker Directional
Planning Report

Database:	EDM 5000 Server	**Local Co-ordinate Reference:**	Well The Horned Frog 1H
Company:	Riley Permian	**TVD Reference:**	RKB @ 3311.00usft (20' Rig)
Project:	Eddy County, New Mexico (NAD83)	**MD Reference:**	RKB @ 3311.00usft (20' Rig)
Site:	The Horned Frog	**North Reference:**	Grid
Well:	The Horned Frog 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
1,500.00	1,500.00	0.00	0.00	Begin 2.00°/100' Build
1,700.00	1,699.84	6.04	-3.49	Begin 4.00° Tangent
2,593.34	2,591.00	60.01	-34.65	KOP, Begin 8.00°/100' Build
3,230.84	3,127.72	322.99	-186.48	Begin 55.00° Tangent
3,430.84	3,242.43	464.87	-268.39	Begin 10.00°/100' Build & Turn
3,970.86	3,402.24	759.26	-666.46	Begin 91.50° Lateral, 2.00°/100' Turn
4,849.19	3,379.09	890.24	-1,531.18	Hold 269.83° Azi
9,401.12	3,260.10	876.54	-6,081.54	PBHL

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Burnett Oil Co., Inc. **OGRID:** 03080 **Date:** 12 / 10 / 2025

II. Type: ☑ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: Amended to reflect well name changes and pooling concerns.

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
THE HORNED FROG #1H	30-015-54438	D-19-18S-27E	1226 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNED FROG #31H	30-015-55902	1-19-18S-27E	1246 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNED FROG #2H	30-015-54437	D-19-18S-27E	1266 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNED FROG #32H	30-015-55901	1-19-18S-27E	1286FNL 809FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNED FROG #3H	30-015-54439	D-19-18S-27E	1306 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #1H	30-015-54684	L-19-18S-27E	1368 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #31H	30-015-55903	3-19-18S-27E	1348FSL 828FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #2H	30-015-54685	L-19-18S-27E	1328 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK 32H	30-015-55900	4-19-18S-27E	1308 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #3H	30-015-54686	M-19-18S-27E	1288 FSL 828FWL	550 BBL/D	550 MCF/D	2500 BBL/D

IV. Central Delivery Point Name: THE MAVERICK BATTERY [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
THE HORNED FROG #1H	30-015-54438	2/15/2026	2/24/2026	4/08/2026	4/22/2026	4/22/2026
THE HORNED FROG #31H	30-015-55902	1/5/2026	1/15/2026	3/1/2026	3/11/2026	3/11/2026
THE HORNED FROG #2H	30-015-54437	2/25/2026	3/03/2026	5/12/2026	5/28/2026	5/28/2026
THE HORNED FROG #32H	30-015-55901	1/16/2026	1/26/2026	3/5/2026	3/15/2026	3/15/2026
THE HORNED FROG #3H	30-015-54439	3/04/2026	3/14/2026	5/16/2026	6/2/2026	6/02/2026
THE MAVERICK #1H	30-015-54684	3/15/2026	3/25/2026	4/1/2026	4/16/2026	4/16/2026
THE MAVERICK #31H	30-015-55903	4/1/2026	4/11/2026	5/30/2026	6/10/2026	6/10/2026
THE MAVERICK #2H	30-015-54685	4/26/2026	5/05/2026	6/04/2026	6/20/2026	6/20/2026
THE MAVERICK #32H	30-015-55900	4/12/2026	4/22/2026	5/4/2026	5/14/2026	5/14/2026
THE MAVERICK #3H	30-015-54686	3/06/2026	3/16/2026	4/08/2026	4/25/2026	4/25/2026

VI. Separation Equipment: ☑ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☑ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☑ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☑ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I **certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.**

Signature: Randy Bolles Printed Name: **Randy Bolles**	
Title: **Regulatory Consultant**	
E-mail Address: rbolles@cox.net	
Date: **12/10/2025**	
Phone: **405-738-0183**	
OIL CONSERVATION DMSION **(Only applicable when submitted as a standalone form)**	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

NATURAL GAS MANAGEMENT PLAN

Section 1 – Attachments

Company: Burnett Oil Co., Inc. Well Name: THE HORNED FROG 1H API 30-015-54438

VI. Separation Equipment: Description of how Operator will size separation equipment to optimize gas capture.

A. This well will be added to an existing tank battery.

B. The engineered system is designed to handle 11,500 MCF/D. It will produce through the following vessels:

1. 2-phase separator,
2. free-water knockout,
3. heater treater, and then finally a
4. 2-phase gas scrubber.

C. Current battery throughput is 0 MCF/D.

D. The referenced well is anticipated to produce a maximum of 550 MCF/D for a total throughput of 550 MCF/D.

VII. Operational Practices: Description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

A. In all circumstances, the operator shall flare rather than vent natural gas except when flaring is technically infeasible or would pose a risk to safe operations or personnel safety, and venting is a safer alternative than flaring.

B. During drilling operations a mud/gas separator will be on location. If needed, it will be utilized to capture natural gas for purposes of flaring. If flaring is required, a properly-sized flare stack will be at a minimum of 100' from the nearest surface hole location unless otherwise approved by the division.

C. Venting and flaring during completion or recompletion operations

1. During completion or recompletion, gas is trapped/retained in the wellbore through use of properly weighted "kill" fluids.
2. During the completion phase, the well will be routed directly into an existing battery. With this initial flowback already being connected to the existing battery, all flowback gasses will be routed, if applicable, only to flare. No venting will occur during this initial flowback period. As soon as it is feasible, the existing separation will be utilized.

D. Equipment redundancies within the system, along with the overall battery design, enables us to service equipment without interruption to gas flow in most scenarios. With the existing battery compression at this

facility, in most cases we can avoid flaring during times of elevated transmission line pressures caused by mid-stream maintenance. Additionally, we have gas takeaway with two (2) midstream companies to try and keep gas going to sales in case one of them has a problem.

E. Performance Standards

1. The existing facility is designed for maximum anticipated throughput and pressure to minimize waste.
2. The existing storage tanks are routed to a combustor.
3. The existing flare stack is properly sized and designed to ensure proper combustion efficiency.
4. The existing flare stack is securely anchored and located at least 100 feet from the storage tanks.
5. AVO inspections are conducted weekly.
6. NA
7. NA
8. We strive to minimize waste and shall resolve emergencies as quickly and safely as possible.

F. Measurement or estimation of vented and flared natural gas

1. We shall measure or estimate the volume of natural gas that is vented, flared, or beneficially used during drilling, completion and production operations regardless of the reason or authorization for such venting or flaring.
2. The existing flare has a meter to measure the gas going to it.
3. The measurement equipment conforms to an industry standard such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares
4. The measuring equipment is not equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.
5. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, the operator will estimate the volume of vented or flared natural gas using a methodology that can be independently verified.
6. NA
7. The operator shall install measuring equipment whenever the division determines that metering is practicable or the existing measuring equipment or GOR test is not sufficient to measure the volume of vented and flared natural gas.

VIII. Best Management Practices: Operator's best management practices to minimize venting during active and planned maintenance.

A. The existing facility is designed for maximum anticipated throughput and pressure to minimize waste.

B. Equipment redundancies within the system, along with the overall battery design, enables us to service equipment without interruption to gas flow in most scenarios. With the existing battery compression at this facility, in most cases we can avoid flaring during times of elevated transmission line pressures caused by mid-stream maintenance.

C. During well maintenance, gas is trapped/retained in the wellbore through use of properly weighted "kill" fluids.

D. Additionally, we have gas takeaway with two (2) midstream companies to try and keep gas going to sales in case one of them has a problem.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 557654
	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.	3/6/2026