District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 280671

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	372290
	3. API Number 30-025-47245

4. Property Code	5. Property Name	6. Well No.
328119	TORINO 4 33	025H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	9	09S	34E	C	700	N	1620	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	33	08S	34E	K	2620	S	1620	W	Roosevelt

9. Pool Information

CLR;SAN ANDRES	12450

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		Private	4281
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	12914	San Andres		6/1/2020
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	2300	985	0
Prod	8.75	7	32	4500	700	0
Prod	8.75	5.5	20	12914	1925	0

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Maggie Crook	Approved By:	Paul F Kautz	
Title:	Sr. Land Analyst	Title:	Geologist	
Email Address:	maggiecrook@rileypermian.com	Approved Date:	6/8/2020	Expiration Date: 6/8/2022
Date:	4/21/2020 Phone: 405-415-8668	Conditions of Approval Attached		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-	12450	CLR; SAN ANDRES

[4]Property Code	[5]Property Name	[6]Well Number
	TORINO 4-33	25H

[7]OGRID No.	[8]Operator Name	[9]Elevation
372290	RILEY PERMIAN OPERATING CO, LLC	4281'

[10]Surface Location

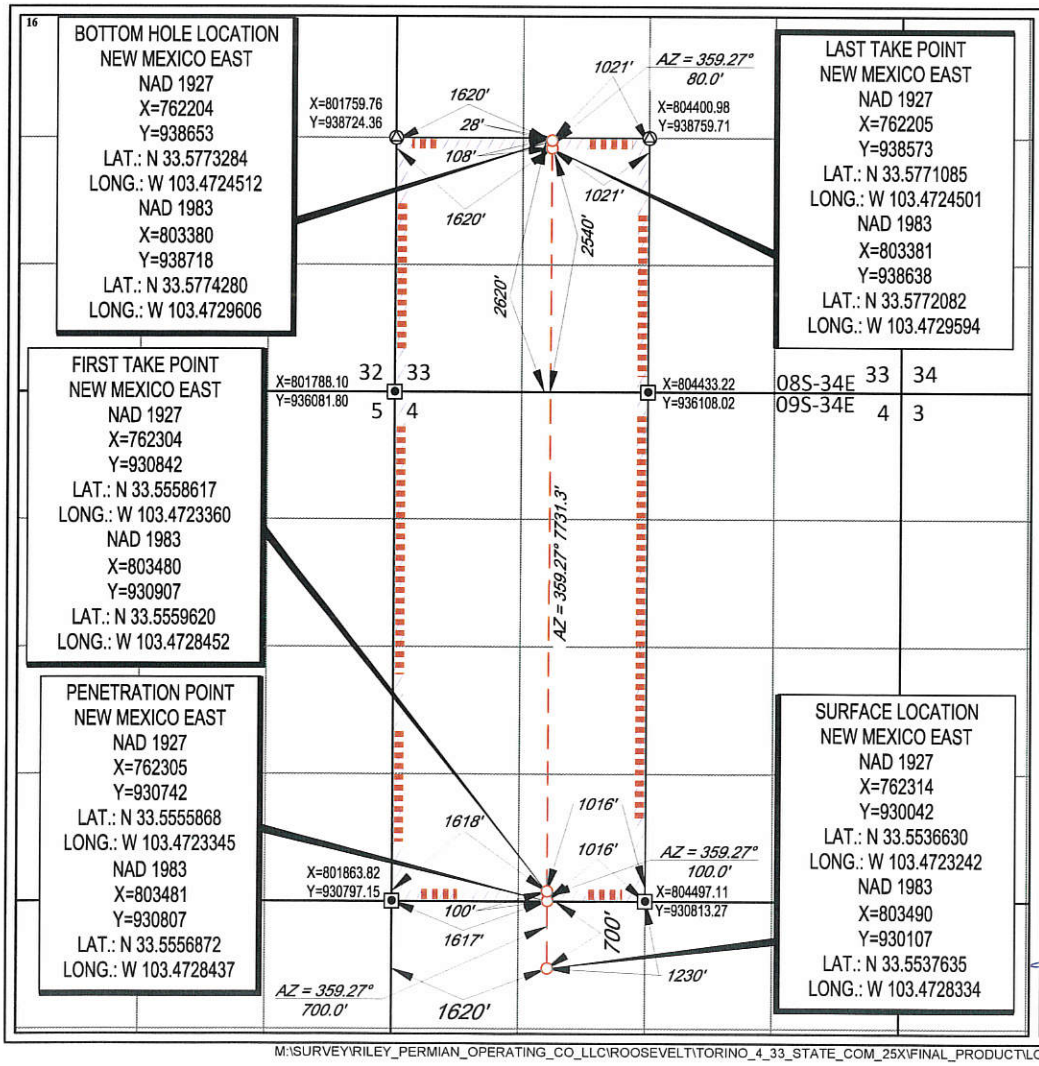
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	9	9-S	34-E	-	700'	NORTH	1620'	WEST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	33	8-S	34-E	-	2620'	SOUTH	1620'	WEST	ROOSEVELT

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
480.13			

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.



[17]OPERATOR CERTIFICATION

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

B. Wood

4-20-20

Signature Date

BRIAN WOOD

Printed Name

brian@permitswest.com

E-mail Address

505 466-8120

[18]SURVEYOR CERTIFICATION

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

01/30/2020

Date of Survey

Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

M:\SURVEY\RILEY_PERMIAN_OPERATING_CO_LLC\ROOSEVELT\TORINO_4_33_STATE_COM_25X\FINAL_PRODUCT\LO_TORINO_4_33_STATE_COM_25XH.DWG 2/13/2020 3:07:45 PM edeleon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

GAS CAPTURE PLAN

Date: 6/8/2020

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: [372290] RILEY PERMIAN OPERATING COMPANY, LLC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
TORINO 4 33 #025H	30-025-47245	C-9-09S-34E	0700N 1620W	500	Flared	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to TARGA MIDSTREAM SERVICES LLC and will be connected to TARGA MIDSTREAM SERVICES LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 1025' of pipeline to connect the facility to Low Pressure gathering system. RILEY PERMIAN OPERATING COMPANY, LLC provides (periodically) to TARGA MIDSTREAM SERVICES LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, RILEY PERMIAN OPERATING COMPANY, LLC and TARGA MIDSTREAM SERVICES LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA MIDSTREAM SERVICES LLC Processing Plant located in Sec. 04, Twn. 09S, Rng. 34E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on TARGA MIDSTREAM SERVICES LLC system at that time. Based on current information, it is RILEY PERMIAN OPERATING COMPANY, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments

Permit 280671

PERMIT COMMENTS

Operator Name and Address:	API Number:
RILEY PERMIAN OPERATING COMPANY, LLC [372290] 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	30-025-47245
	Well: TORINO 4 33 #025H

Created By	Comment	Comment Date

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 280671

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
RILEY PERMIAN OPERATING COMPANY, LLC [372290] 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	30-025-47245
	Well: TORINO 4 33 #025H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	SURFACE & PRODUCTION CASING - Cement must circulate to surface
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe

Company: Riley Permian Operating Co., LLC
Field: Lea County, NM
Location: Torino 4-33
Well: 25XH
OH
Plan: Plan 1
GL 4281 + 17' KB @ 4298.00usft

Azimuths to Grid North
True North: -0.48°
Magnetic North: 6.27°

Magnetic Field
Strength: 48441.6nT
Dip Angle: 61.15°
Date: 4/6/2020
Model: WMM2020

To convert a Magnetic Direction to a Grid Direction, Add 6.27°

PROJECT DETAILS: Lea County, NM

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: 25XH

GL 4281 + 17' KB @ 4298.00usft 4281.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	930107.07	803490.22	33.553763	-103.472833	

FORMATION TOP DETAILS

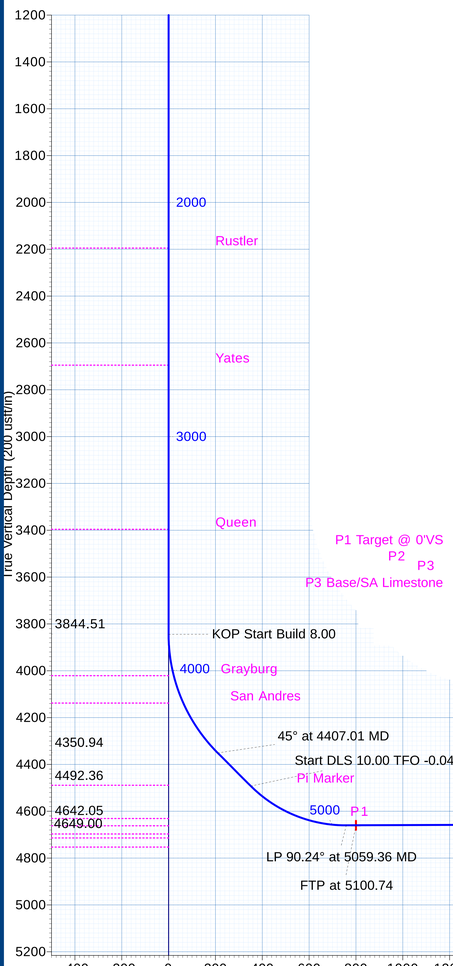
TVDPath	MDPath	Formation
2195.00	2195.00	Rustler
2695.00	2695.00	Yates
3396.00	3396.00	Queen
4021.00	4022.84	Grayburg
4138.00	4146.91	San Andres
4489.00	4602.26	Pi Marker
4631.00	4873.38	P1

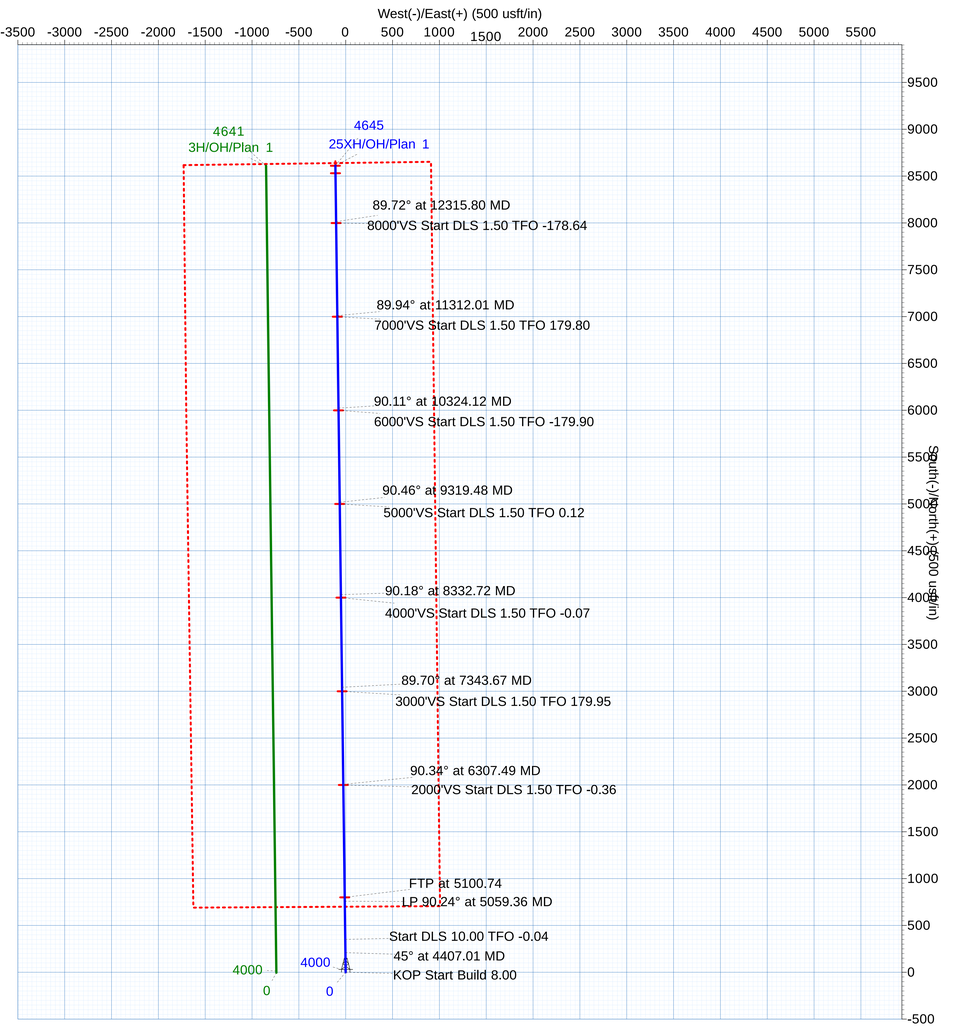
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
7000'VS - Torino 4-33 25H	4641.00	6999.36	-89.34	937106.43	803400.88	33.573000	-103.472936
8000'VS - Torino 4-33 25H	4642.00	7999.27	-102.13	938106.34	803388.09	33.575748	-103.472950
6000'VS - Torino 4-33 25H	4643.00	5999.45	-76.54	936106.52	803413.69	33.570252	-103.472921
LTP - Torino 4-33 25H	4644.60	8530.91	-109.01	938637.98	803381.21	33.577209	-103.472959
BHL - Torino 4-33 25H	4645.00	8610.91	-110.01	938717.98	803380.21	33.577429	-103.472960
3000'VS - Torino 4-33 25H	4649.00	2999.73	-38.15	933106.80	803452.07	33.562008	-103.472877
5000'VS - Torino 4-33 25H	4651.00	4999.54	-63.75	935106.61	803426.48	33.567504	-103.472906
4000'VS - Torino 4-33 25H	4654.00	3999.64	-50.94	934106.71	803439.28	33.564756	-103.472891
2000'VS - Torino 4-33 25H	4655.00	1999.82	-25.35	932106.89	803464.87	33.559260	-103.472862
FTP - Torino 4-33 25H	4660.00	799.99	-10.00	930907.06	803480.22	33.555962	-103.472844

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3844.51	0.00	0.00	3844.51	0.00	0.00	0.00	0.00	0.00	
3	4407.01	45.00	359.29	4350.94	209.75	-2.59	8.00	359.29	209.77	
4	4607.01	45.00	359.29	4492.36	351.16	-4.33	0.00	0.00	351.19	
5	5059.36	90.24	359.27	4660.17	758.63	-9.47	10.00	-0.04	758.69	
6	5100.73	90.24	359.27	4660.00	799.99	-10.00	0.00	0.00	800.05	FTP - Torino 4-33 25H
7	6300.67	90.24	359.27	4655.00	1999.82	-25.35	0.00	5.46	1999.98	2000'VS - Torino 4-33 25H
8	6307.47	90.34	359.27	4654.97	2006.62	-25.44	1.50	-0.43	2006.78	
9	7300.68	90.34	359.27	4649.00	2999.73	-38.15	0.00	0.00	2999.97	3000'VS - Torino 4-33 25H
10	7343.64	89.70	359.27	4648.98	3042.69	-38.70	1.50	179.95	3042.93	
11	8300.68	89.70	359.27	4654.00	3999.64	-50.94	0.00	0.00	3999.96	4000'VS - Torino 4-33 25H
12	8332.67	90.18	359.27	4654.03	4031.63	-51.35	1.50	-0.07	4031.95	
13	9300.67	90.18	359.27	4651.00	4999.54	-63.75	0.00	0.00	4999.94	5000'VS - Torino 4-33 25H
14	9319.43	90.46	359.27	4650.90	5018.30	-63.99	1.50	0.12	5018.71	
15	10300.69	90.46	359.27	4643.00	5999.45	-76.54	0.00	0.00	5999.93	6000'VS - Torino 4-33 25H
16	10324.06	90.11	359.27	4642.88	6022.81	-76.84	1.50	-179.90	6023.30	
17	11300.69	90.11	359.27	4641.00	6999.36	-89.34	0.00	0.00	6999.93	7000'VS - Torino 4-33 25H
18	11311.94	89.94	359.27	4640.99	7010.61	-89.48	1.50	179.80	7011.18	
19	12300.68	89.94	359.27	4642.00	7999.27	-102.13	0.00	0.00	7999.92	8000'VS - Torino 4-33 25H
20	12315.72	89.72	359.26	4642.04	8014.30	-102.32	1.50	-178.64	8014.96	
21	12912.38	89.72	359.26	4645.00	8610.91	-110.01	0.00	0.00	8611.61	BHL - Torino 4-33 25H





Plan: Plan 1 (25XH/OH)
Created By: Jenise Kirkpatrick Date: 14:53, April 20 2020

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	Lea County, NM		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Torino 4-33				
Site Position:		**Northing:**	930,103.07 usft	**Latitude:**	33.553769
From:	Map	**Easting:**	802,750.23 usft	**Longitude:**	-103.475262
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.47 °

Well	25XH				
Well Position	**+N/-S**	4.00 usft	**Northing:**	930,107.07 usft	**Latitude:**	33.553764
	+E/-W	739.99 usft	**Easting:**	803,490.22 usft	**Longitude:**	-103.472833
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	4,281.00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	WMM2020	4/6/2020	6.74	61.15	48,441.55356680

Design	Plan 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	359.27	

Plan Survey Tool Program **Date** 4/6/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	12,912.47	Plan 1 (OH)	MWD	
				OWSG MWD - Standard	

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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	
3,844.51	0.00	0.00	3,844.51	0.00	0.00	0.00	0.00	0.00	0.00	
4,407.01	45.00	359.29	4,350.94	209.75	-2.59	8.00	8.00	0.00	359.29	
4,607.01	45.00	359.29	4,492.36	351.16	-4.33	0.00	0.00	0.00	0.00	
5,059.36	90.24	359.27	4,660.17	758.63	-9.47	10.00	10.00	-0.01	-0.04	
5,100.73	90.24	359.27	4,660.00	799.99	-10.00	0.00	0.00	0.00	0.00	FTP - Torino 4-33 25H
6,300.67	90.24	359.27	4,655.00	1,999.82	-25.35	0.00	0.00	0.00	5.46	2000'VS - Torino 4-33
6,307.47	90.34	359.27	4,654.97	2,006.62	-25.44	1.50	1.50	-0.01	-0.43	
7,300.68	90.34	359.27	4,649.00	2,999.73	-38.15	0.00	0.00	0.00	0.00	3000'VS - Torino 4-33
7,343.64	89.70	359.27	4,648.98	3,042.69	-38.70	1.50	-1.50	0.00	179.95	
8,300.68	89.70	359.27	4,654.00	3,999.64	-50.94	0.00	0.00	0.00	0.00	4000'VS - Torino 4-33
8,332.67	90.18	359.27	4,654.03	4,031.63	-51.35	1.50	1.50	0.00	-0.07	
9,300.67	90.18	359.27	4,651.00	4,999.54	-63.75	0.00	0.00	0.00	0.00	5000'VS - Torino 4-33
9,319.43	90.46	359.27	4,650.90	5,018.30	-63.99	1.50	1.50	0.00	0.12	
10,300.69	90.46	359.27	4,643.00	5,999.45	-76.54	0.00	0.00	0.00	0.00	6000'VS - Torino 4-33
10,324.06	90.11	359.27	4,642.88	6,022.81	-76.84	1.50	-1.50	0.00	-179.90	
11,300.69	90.11	359.27	4,641.00	6,999.36	-89.34	0.00	0.00	0.00	0.00	7000'VS - Torino 4-33
11,311.94	89.94	359.27	4,640.99	7,010.61	-89.48	1.50	-1.50	0.01	179.80	
12,300.68	89.94	359.27	4,642.00	7,999.27	-102.13	0.00	0.00	0.00	0.00	8000'VS - Torino 4-33
12,315.72	89.72	359.26	4,642.04	8,014.30	-102.32	1.50	-1.50	-0.04	-178.64	
12,912.38	89.72	359.26	4,645.00	8,610.91	-110.01	0.00	0.00	0.00	0.00	BHL - Torino 4-33 25H

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 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)
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,844.51	0.00	0.00	3,844.51	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 8.00									
3,900.00	4.44	359.29	3,899.94	2.15	-0.03	2.15	8.00	8.00	0.00
4,000.00	12.44	359.29	3,998.78	16.81	-0.21	16.81	8.00	8.00	0.00
4,022.84	14.27	359.29	4,021.00	22.08	-0.27	22.09	8.00	8.00	0.00
Grayburg									
4,100.00	20.44	359.29	4,094.62	45.09	-0.56	45.09	8.00	8.00	0.00
4,146.91	24.19	359.29	4,138.00	62.89	-0.78	62.90	8.00	8.00	0.00
San Andres									
4,200.00	28.44	359.29	4,185.58	86.42	-1.07	86.43	8.00	8.00	0.00
4,300.00	36.44	359.29	4,269.91	140.01	-1.73	140.03	8.00	8.00	0.00
4,400.00	44.44	359.29	4,345.96	204.82	-2.53	204.84	8.00	8.00	0.00
4,407.01	45.00	359.29	4,350.94	209.75	-2.59	209.77	8.00	8.00	0.00
45° at 4407.01 MD									
4,500.00	45.00	359.29	4,416.69	275.50	-3.40	275.52	0.00	0.00	0.00
4,600.00	45.00	359.29	4,487.40	346.21	-4.27	346.23	0.00	0.00	0.00
4,602.26	45.00	359.29	4,489.00	347.80	-4.29	347.83	0.00	0.00	0.00
Pi Marker									
4,607.01	45.00	359.29	4,492.36	351.16	-4.33	351.19	0.00	0.00	0.00
Start DLS 10.00 TFO -0.04									
4,700.00	54.30	359.29	4,552.50	421.95	-5.21	421.98	10.00	10.00	-0.01
4,800.00	64.30	359.28	4,603.49	507.82	-6.29	507.86	10.00	10.00	-0.01
4,873.38	71.64	359.28	4,631.00	575.79	-7.14	575.83	10.00	10.00	-0.01
P1									
4,900.00	74.30	359.27	4,638.80	601.23	-7.47	601.28	10.00	10.00	-0.01
5,000.00	84.30	359.27	4,657.34	699.36	-8.71	699.42	10.00	10.00	0.00
5,059.36	90.24	359.27	4,660.17	758.63	-9.47	758.69	10.00	10.00	0.00
LP 90.24° at 5059.36 MD									
5,100.00	90.24	359.27	4,660.00	799.26	-9.99	799.32	0.00	0.00	0.00
5,100.73	90.24	359.27	4,660.00	799.99	-10.00	800.05	0.00	0.00	0.00
FTP - Torino 4-33 25H									
5,100.74	90.24	359.27	4,660.00	800.00	-10.00	800.06	0.00	0.00	0.00
FTP at 5100.74									
5,200.00	90.24	359.27	4,659.59	899.25	-11.27	899.32	0.00	0.00	0.00
5,300.00	90.24	359.27	4,659.18	999.24	-12.55	999.32	0.00	0.00	0.00
5,400.00	90.24	359.27	4,658.77	1,099.23	-13.83	1,099.32	0.00	0.00	0.00
5,500.00	90.24	359.27	4,658.35	1,199.22	-15.11	1,199.32	0.00	0.00	0.00
5,600.00	90.24	359.27	4,657.94	1,299.22	-16.39	1,299.32	0.00	0.00	0.00
5,700.00	90.24	359.27	4,657.52	1,399.21	-17.67	1,399.32	0.00	0.00	0.00
5,800.00	90.24	359.27	4,657.10	1,499.20	-18.95	1,499.32	0.00	0.00	0.00
5,900.00	90.24	359.27	4,656.69	1,599.19	-20.23	1,599.32	0.00	0.00	0.00
6,000.00	90.24	359.27	4,656.27	1,699.18	-21.51	1,699.31	0.00	0.00	0.00
6,100.00	90.24	359.27	4,655.85	1,799.17	-22.79	1,799.31	0.00	0.00	0.00
6,200.00	90.24	359.27	4,655.42	1,899.16	-24.06	1,899.31	0.00	0.00	0.00
6,300.00	90.24	359.27	4,655.00	1,999.15	-25.34	1,999.31	0.00	0.00	0.00
6,300.67	90.24	359.27	4,655.00	1,999.82	-25.35	1,999.98	0.09	0.08	0.01
2000'VS - Torino 4-33 25H									
6,300.69	90.24	359.27	4,655.00	1,999.84	-25.35	2,000.00	0.00	0.00	0.00
2000'VS Start DLS 1.50 TFO -0.36									
6,307.47	90.34	359.27	4,654.97	2,006.62	-25.44	2,006.78	1.50	1.50	-0.01
6,307.49	90.34	359.27	4,654.97	2,006.64	-25.44	2,006.80	0.00	0.00	0.00

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 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)
90.34° at 6307.49 MD									
6,400.00	90.34	359.27	4,654.41	2,099.14	-26.62	2,099.31	0.00	0.00	0.00
6,500.00	90.34	359.27	4,653.81	2,199.13	-27.90	2,199.31	0.00	0.00	0.00
6,600.00	90.34	359.27	4,653.21	2,299.12	-29.18	2,299.31	0.00	0.00	0.00
6,700.00	90.34	359.27	4,652.61	2,399.11	-30.46	2,399.31	0.00	0.00	0.00
6,800.00	90.34	359.27	4,652.01	2,499.10	-31.74	2,499.30	0.00	0.00	0.00
6,900.00	90.34	359.27	4,651.41	2,599.09	-33.02	2,599.30	0.00	0.00	0.00
7,000.00	90.34	359.27	4,650.81	2,699.08	-34.30	2,699.30	0.00	0.00	0.00
7,100.00	90.34	359.27	4,650.21	2,799.07	-35.58	2,799.30	0.00	0.00	0.00
7,200.00	90.34	359.27	4,649.60	2,899.06	-36.86	2,899.30	0.00	0.00	0.00
7,300.00	90.34	359.27	4,649.00	2,999.05	-38.14	2,999.29	0.00	0.00	0.00
7,300.68	90.34	359.27	4,649.00	2,999.73	-38.15	2,999.97	0.00	0.00	0.00
3000'VS - Torino 4-33 25H									
7,300.71	90.34	359.27	4,649.00	2,999.76	-38.15	3,000.00	0.00	0.00	0.00
3000'VS Start DLS 1.50 TFO 179.95									
7,343.64	89.70	359.27	4,648.98	3,042.69	-38.70	3,042.93	1.50	-1.50	0.00
7,343.67	89.70	359.27	4,648.98	3,042.72	-38.70	3,042.96	0.00	0.00	0.00
89.70° at 7343.67 MD									
7,400.00	89.70	359.27	4,649.28	3,099.04	-39.42	3,099.29	0.00	0.00	0.00
7,500.00	89.70	359.27	4,649.80	3,199.03	-40.70	3,199.29	0.00	0.00	0.00
7,600.00	89.70	359.27	4,650.33	3,299.02	-41.98	3,299.29	0.00	0.00	0.00
7,700.00	89.70	359.27	4,650.85	3,399.01	-43.26	3,399.29	0.00	0.00	0.00
7,800.00	89.70	359.27	4,651.38	3,499.00	-44.54	3,499.29	0.00	0.00	0.00
7,900.00	89.70	359.27	4,651.90	3,598.99	-45.82	3,599.29	0.00	0.00	0.00
8,000.00	89.70	359.27	4,652.42	3,698.99	-47.10	3,699.29	0.00	0.00	0.00
8,100.00	89.70	359.27	4,652.95	3,798.98	-48.38	3,799.28	0.00	0.00	0.00
8,200.00	89.70	359.27	4,653.47	3,898.97	-49.66	3,899.28	0.00	0.00	0.00
8,300.00	89.70	359.27	4,654.00	3,998.96	-50.94	3,999.28	0.00	0.00	0.00
8,300.68	89.70	359.27	4,654.00	3,999.64	-50.94	3,999.96	0.00	0.00	0.00
4000'VS - Torino 4-33 25H									
8,300.72	89.70	359.27	4,654.00	3,999.68	-50.94	4,000.00	0.00	0.00	0.00
4000'VS Start DLS 1.50 TFO -0.07									
8,332.67	90.18	359.27	4,654.03	4,031.63	-51.35	4,031.95	1.50	1.50	0.00
8,332.72	90.18	359.27	4,654.03	4,031.67	-51.35	4,032.00	0.00	0.00	0.00
90.18° at 8332.72 MD									
8,400.00	90.18	359.27	4,653.82	4,098.95	-52.22	4,099.28	0.00	0.00	0.00
8,500.00	90.18	359.27	4,653.51	4,198.94	-53.50	4,199.28	0.00	0.00	0.00
8,600.00	90.18	359.27	4,653.20	4,298.93	-54.78	4,299.28	0.00	0.00	0.00
8,700.00	90.18	359.27	4,652.88	4,398.92	-56.06	4,399.28	0.00	0.00	0.00
8,800.00	90.18	359.27	4,652.57	4,498.91	-57.34	4,499.28	0.00	0.00	0.00
8,900.00	90.18	359.27	4,652.26	4,598.90	-58.62	4,599.28	0.00	0.00	0.00
9,000.00	90.18	359.27	4,651.94	4,698.90	-59.90	4,699.28	0.00	0.00	0.00
9,100.00	90.18	359.27	4,651.63	4,798.89	-61.18	4,799.28	0.00	0.00	0.00
9,200.00	90.18	359.27	4,651.32	4,898.88	-62.46	4,899.28	0.00	0.00	0.00
9,300.00	90.18	359.27	4,651.00	4,998.87	-63.74	4,999.28	0.00	0.00	0.00
9,300.67	90.18	359.27	4,651.00	4,999.54	-63.75	4,999.94	0.00	0.00	0.00
5000'VS - Torino 4-33 25H									
9,300.72	90.18	359.27	4,651.00	4,999.59	-63.75	5,000.00	0.00	0.00	0.00
5000'VS Start DLS 1.50 TFO 0.12									
9,319.43	90.46	359.27	4,650.90	5,018.30	-63.99	5,018.71	1.50	1.50	0.00
9,319.48	90.46	359.27	4,650.89	5,018.35	-63.99	5,018.76	0.00	0.00	0.00
90.46° at 9319.48 MD									
9,400.00	90.46	359.27	4,650.25	5,098.86	-65.02	5,099.27	0.00	0.00	0.00

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 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)
9,500.00	90.46	359.27	4,649.44	5,198.85	-66.29	5,199.27	0.00	0.00	0.00
9,600.00	90.46	359.27	4,648.64	5,298.84	-67.57	5,299.27	0.00	0.00	0.00
9,700.00	90.46	359.27	4,647.83	5,398.82	-68.85	5,399.26	0.00	0.00	0.00
9,800.00	90.46	359.27	4,647.03	5,498.81	-70.13	5,499.26	0.00	0.00	0.00
9,900.00	90.46	359.27	4,646.22	5,598.80	-71.41	5,599.26	0.00	0.00	0.00
10,000.00	90.46	359.27	4,645.42	5,698.79	-72.69	5,699.25	0.00	0.00	0.00
10,100.00	90.46	359.27	4,644.61	5,798.78	-73.97	5,799.25	0.00	0.00	0.00
10,200.00	90.46	359.27	4,643.81	5,898.77	-75.25	5,899.25	0.00	0.00	0.00
10,300.00	90.46	359.27	4,643.01	5,998.76	-76.53	5,999.24	0.00	0.00	0.00
10,300.69	90.46	359.27	4,643.00	5,999.45	-76.54	5,999.93	0.00	0.00	0.00
6000'VS - Torino 4-33 25H									
10,300.75	90.46	359.27	4,643.00	5,999.51	-76.54	6,000.00	0.00	0.00	0.00
6000'VS Start DLS 1.50 TFO -179.90									
10,324.06	90.11	359.27	4,642.88	6,022.81	-76.84	6,023.30	1.50	-1.50	0.00
10,324.12	90.11	359.27	4,642.88	6,022.87	-76.84	6,023.36	0.00	0.00	0.00
90.11° at 10324.12 MD									
10,400.00	90.11	359.27	4,642.74	6,098.75	-77.81	6,099.24	0.00	0.00	0.00
10,500.00	90.11	359.27	4,642.54	6,198.74	-79.09	6,199.24	0.00	0.00	0.00
10,600.00	90.11	359.27	4,642.35	6,298.73	-80.37	6,299.24	0.00	0.00	0.00
10,700.00	90.11	359.27	4,642.16	6,398.72	-81.65	6,399.24	0.00	0.00	0.00
10,800.00	90.11	359.27	4,641.97	6,498.71	-82.93	6,499.24	0.00	0.00	0.00
10,900.00	90.11	359.27	4,641.77	6,598.71	-84.21	6,599.24	0.00	0.00	0.00
11,000.00	90.11	359.27	4,641.58	6,698.70	-85.49	6,699.24	0.00	0.00	0.00
11,100.00	90.11	359.27	4,641.39	6,798.69	-86.77	6,799.24	0.00	0.00	0.00
11,200.00	90.11	359.27	4,641.19	6,898.68	-88.05	6,899.24	0.00	0.00	0.00
11,300.00	90.11	359.27	4,641.00	6,998.67	-89.33	6,999.24	0.00	0.00	0.00
11,300.69	90.11	359.27	4,641.00	6,999.36	-89.34	6,999.93	0.00	0.00	0.00
7000'VS - Torino 4-33 25H									
11,300.76	90.11	359.27	4,641.00	6,999.43	-89.34	7,000.00	0.00	0.00	0.00
7000'VS Start DLS 1.50 TFO 179.80									
11,311.94	89.94	359.27	4,640.99	7,010.61	-89.48	7,011.18	1.51	-1.51	0.01
11,312.01	89.94	359.27	4,641.00	7,010.68	-89.48	7,011.25	0.00	0.00	0.00
89.94° at 11312.01 MD									
11,400.00	89.94	359.27	4,641.08	7,098.66	-90.61	7,099.24	0.00	0.00	0.00
11,500.00	89.94	359.27	4,641.19	7,198.66	-91.89	7,199.24	0.00	0.00	0.00
11,600.00	89.94	359.27	4,641.29	7,298.65	-93.17	7,299.24	0.00	0.00	0.00
11,700.00	89.94	359.27	4,641.39	7,398.64	-94.44	7,399.24	0.00	0.00	0.00
11,800.00	89.94	359.27	4,641.49	7,498.63	-95.72	7,499.24	0.00	0.00	0.00
11,900.00	89.94	359.27	4,641.59	7,598.62	-97.00	7,599.24	0.00	0.00	0.00
12,000.00	89.94	359.27	4,641.69	7,698.61	-98.28	7,699.24	0.00	0.00	0.00
12,100.00	89.94	359.27	4,641.80	7,798.61	-99.56	7,799.24	0.00	0.00	0.00
12,200.00	89.94	359.27	4,641.90	7,898.60	-100.84	7,899.24	0.00	0.00	0.00
12,300.00	89.94	359.27	4,642.00	7,998.59	-102.12	7,999.24	0.00	0.00	0.00
12,300.68	89.94	359.27	4,642.00	7,999.27	-102.13	7,999.92	0.00	0.00	0.00
8000'VS - Torino 4-33 25H									
12,300.76	89.94	359.27	4,642.00	7,999.35	-102.13	8,000.00	0.00	0.00	0.00
8000'VS Start DLS 1.50 TFO -178.64									
12,315.72	89.72	359.26	4,642.04	8,014.30	-102.32	8,014.96	1.51	-1.51	-0.04
12,315.80	89.72	359.26	4,642.05	8,014.39	-102.32	8,015.04	0.00	0.00	0.00
89.72° at 12315.80 MD									
12,400.00	89.72	359.26	4,642.46	8,098.58	-103.41	8,099.24	0.00	0.00	0.00
12,500.00	89.72	359.26	4,642.96	8,198.57	-104.70	8,199.24	0.00	0.00	0.00
12,600.00	89.72	359.26	4,643.45	8,298.56	-105.98	8,299.24	0.00	0.00	0.00

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 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)
12,700.00	89.72	359.26	4,643.95	8,398.55	-107.27	8,399.24	0.00	0.00	0.00
12,800.00	89.72	359.26	4,644.44	8,498.54	-108.56	8,499.24	0.00	0.00	0.00
12,832.37	89.72	359.26	4,644.60	8,530.91	-108.98	8,531.61	0.00	0.00	0.00
LTP - Torino 4-33 25H									
12,900.00	89.72	359.26	4,644.94	8,598.53	-109.85	8,599.23	0.00	0.00	0.00
12,912.38	89.72	359.26	4,645.00	8,610.91	-110.01	8,611.61	0.00	0.00	0.00
TD at 12912.47 - BHL - Torino 4-33 25H									

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
7000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,641.00	6,999.36	-89.34	937,106.43	803,400.88	33.573000	-103.472936
8000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,642.00	7,999.27	-102.13	938,106.34	803,388.09	33.575748	-103.472951
6000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,643.00	5,999.45	-76.54	936,106.52	803,413.68	33.570252	-103.472921
LTP - Torino 4-33 25H - plan misses target center by 0.03usft at 12832.37usft MD (4644.60 TVD, 8530.91 N, -108.98 E) - Point	0.00	0.00	4,644.60	8,530.91	-109.01	938,637.98	803,381.21	33.577209	-103.472959
BHL - Torino 4-33 25H - plan hits target center - Point	0.00	0.00	4,645.00	8,610.91	-110.01	938,717.98	803,380.21	33.577429	-103.472960
3000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,649.00	2,999.73	-38.15	933,106.80	803,452.07	33.562008	-103.472877
5000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,651.00	4,999.54	-63.75	935,106.61	803,426.47	33.567504	-103.472906
4000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,654.00	3,999.64	-50.94	934,106.71	803,439.28	33.564756	-103.472892
2000'VS - Torino 4-33 25 - plan hits target center - Point	0.00	0.00	4,655.00	1,999.82	-25.35	932,106.89	803,464.87	33.559260	-103.472862
FTP - Torino 4-33 25H - plan hits target center - Point	0.00	0.00	4,660.00	799.99	-10.00	930,907.06	803,480.22	33.555962	-103.472844

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well 25XH
Company:	Riley Permian Operating Co., LLC	**TVD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Project:	Lea County, NM	**MD Reference:**	GL 4281 + 17' KB @ 4298.00usft
Site:	Torino 4-33	**North Reference:**	Grid
Well:	25XH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,195.00	2,195.00	Rustler		0.00	
2,695.00	2,695.00	Yates		0.00	
3,396.00	3,396.00	Queen		0.00	
4,022.84	4,021.00	Grayburg		0.00	
4,146.91	4,138.00	San Andres		0.00	
4,602.26	4,489.00	Pi Marker		0.00	
4,873.38	4,631.00	P1		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,844.51	3,844.51	0.00	0.00	KOP Start Build 8.00
4,407.01	4,350.94	209.75	-2.59	45° at 4407.01 MD
4,607.01	4,492.36	351.16	-4.33	Start DLS 10.00 TFO -0.04
5,059.36	4,660.17	758.63	-9.47	LP 90.24° at 5059.36 MD
5,100.74	4,660.00	800.00	-10.00	FTP at 5100.74
6,300.69	4,655.00	1,999.84	-25.35	2000'VS Start DLS 1.50 TFO -0.36
6,307.49	4,654.97	2,006.64	-25.44	90.34° at 6307.49 MD
7,300.71	4,649.00	2,999.76	-38.15	3000'VS Start DLS 1.50 TFO 179.95
7,343.67	4,648.98	3,042.72	-38.70	89.70° at 7343.67 MD
8,300.72	4,654.00	3,999.68	-50.94	4000'VS Start DLS 1.50 TFO -0.07
8,332.72	4,654.03	4,031.67	-51.35	90.18° at 8332.72 MD
9,300.72	4,651.00	4,999.59	-63.75	5000'VS Start DLS 1.50 TFO 0.12
9,319.48	4,650.89	5,018.35	-63.99	90.46° at 9319.48 MD
10,300.75	4,643.00	5,999.51	-76.54	6000'VS Start DLS 1.50 TFO -179.90
10,324.12	4,642.88	6,022.87	-76.84	90.11° at 10324.12 MD
11,300.76	4,641.00	6,999.43	-89.34	7000'VS Start DLS 1.50 TFO 179.80
11,312.01	4,641.00	7,010.68	-89.48	89.94° at 11312.01 MD
12,300.76	4,642.00	7,999.35	-102.13	8000'VS Start DLS 1.50 TFO -178.64
12,315.80	4,642.05	8,014.39	-102.32	89.72° at 12315.80 MD
12,912.38	4,645.00	8,610.91	-110.01	TD at 12912.47