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

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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 387085

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

1. Operator Name and Address	2. OGRID Number
Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	372165
	3. API Number 30-015-56772

4. Property Code	5. Property Name	6. Well No.
335759	LADY FRANKLIN 25 STATE	904H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	25	19S	28E	M	1206	S	265	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	25	19S	28E	P	660	S	10	E	Eddy

9. Pool Information

WINCHESTER;WOLFCAMP (GAS)	87760

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		State	3333
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	14072	Wolfcamp		5/1/2025
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	17.5	13.375	54.5	950	740	0
Int1	12.25	9.625	36	3050	730	0
Prod	8.5	5.5	20	14072	1710	2550

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

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 Stephanie Rabadue	Approved By:	Jeffrey Harrison	
Title:	Regulatory Manager	Title:	Petroleum Specialist III	
Email Address:	stephanie.rabadue@permianres.com	Approved Date:	6/13/2025	Expiration Date: 6/13/2027
Date:	4/8/2025 Phone: 432-260-4388	Conditions of Approval Attached		

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-015-56772	[87760]	WINCHESTER; WOLFCAMP (GAS)	
Property Code: 335759	Property Name: LADY FRANKLIN 25 STATE		Well Number: 904H
OGRID No.: 372165	Operator Name: PERMIAN RESOURCES OPERATING, LLC		Ground Level Elevation: 3,333'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	25	19 S	28 E		1,206' FSL	265' FWL	32.627917°	-104.138042°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	25	19 S	28 E		660' FSL	10' FEL	32.626487°	-104.121951°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
160.00	Defining	Pending	N	NA
Order Numbers. NA			Well setbacks are under Common Ownership: ☒Yes ☐No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	25	19 S	28 E		1,206' FSL	265' FWL	32.627917°	-104.138042°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	25	19 S	28 E		660' FSL	100' FWL	32.626414°	-104.138575°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	25	19 S	28 E		660' FSL	100' FEL	32.626486°	-104.122244°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
NA		3,363'

OPERATOR CERTIFICATIONS

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: Cassie Evans Date: 4/3/25

Printed Name: Cassie Evans

Email Address: Cassie.Evans@permianres.com

SURVEYOR CERTIFICATIONS

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.

MARK J. MURRAY NEW MEXICO 12177 REGISTERED PROFESSIONAL SURVEYOR

Date: 3/12/2025

Signature and Seal of Professional Surveyor

Certificate Number: 12177

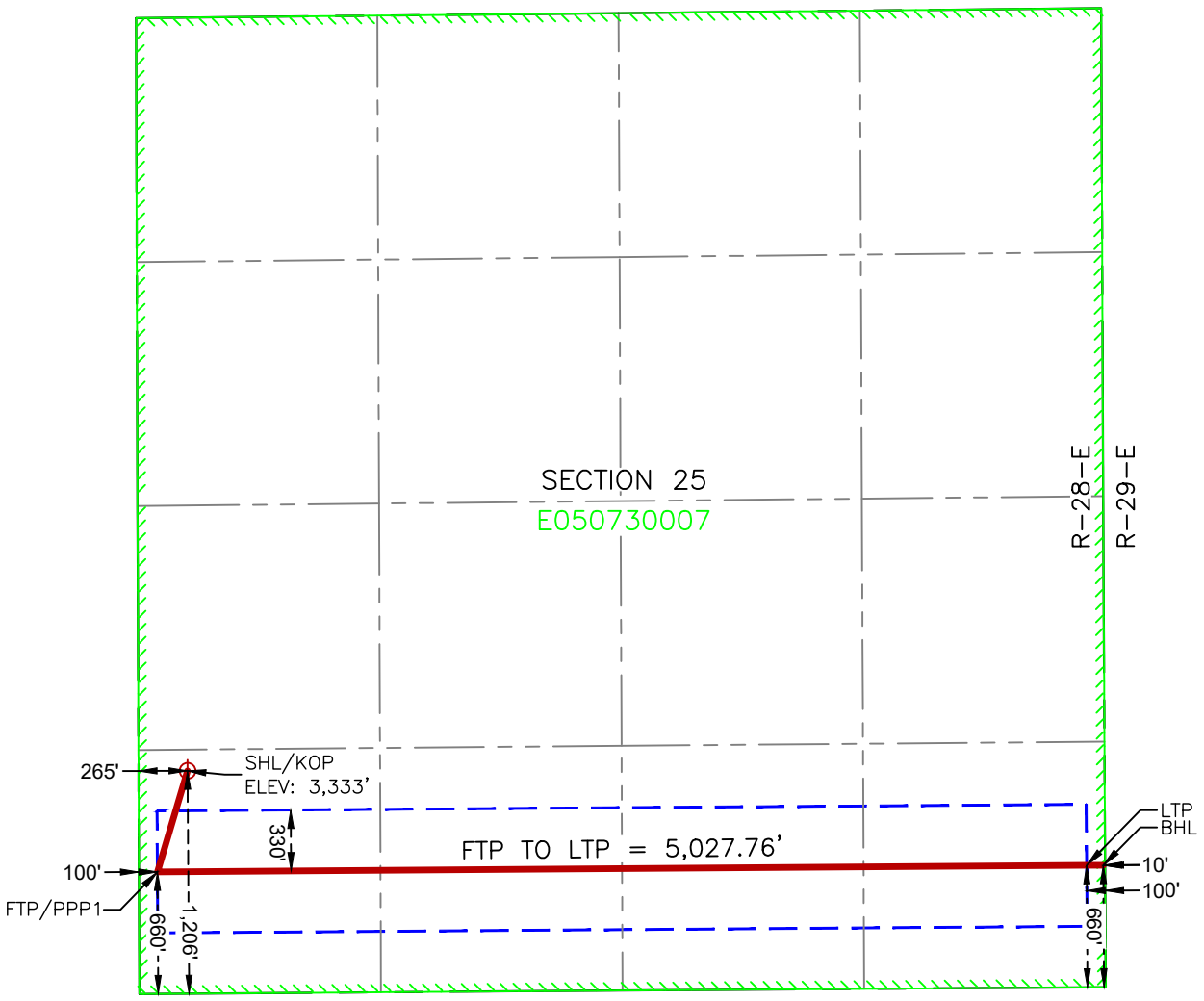
Date of Survey: 3/12/2025

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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LADY FRANKLIN 25 STATE 904H

SURFACE HOLE LOCATION & KICK-OFF POINT 1,206' FSL & 265' FWL ELEV. = 3,333'	FIRST TAKE POINT & PENETRATION POINT 1 660' FSL & 100' FWL	LAST TAKE POINT 660' FSL & 100' FEL	BOTTOM HOLE LOCATION 660' FSL & 10' FEL
NAD 83 X = 601,459.21'	NAD 83 X = 601,296.37'	NAD 83 X = 606,323.99'	NAD 83 X = 606,413.99'
NAD 83 Y = 592,222.44'	NAD 83 Y = 591,675.25'	NAD 83 Y = 591,710.93'	NAD 83 Y = 591,711.56'
NAD 83 LAT = 32.627917°	NAD 83 LAT = 32.626414°	NAD 83 LAT = 32.626486°	NAD 83 LAT = 32.626487°
NAD 83 LONG = -104.138042°	NAD 83 LONG = -104.138575°	NAD 83 LONG = -104.122244°	NAD 83 LONG = -104.121951°
NAD 27 X = 560,279.25'	NAD 27 X = 560,116.40'	NAD 27 X = 565,144.02'	NAD 27 X = 565,234.02'
NAD 27 Y = 592,160.55'	NAD 27 Y = 591,613.36'	NAD 27 Y = 591,649.01'	NAD 27 Y = 591,649.64'
NAD 27 LAT = 32.627800°	NAD 27 LAT = 32.626297°	NAD 27 LAT = 32.626368°	NAD 27 LAT = 32.626369°
NAD 27 LONG = -104.137535°	NAD 27 LONG = -104.138067°	NAD 27 LONG = -104.121737°	NAD 27 LONG = -104.121445°

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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 387085

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Permian Resources Operating, LLC [372165] 300 N. Marienfeld St Ste 1000 Midland, TX 79701	30-015-56772
	Well: LADY FRANKLIN 25 STATE #904H

OCD Reviewer	Condition
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	Surface casing shall be set a minimum of 25' into the Rustler Anhydrite, above the salt, and below usable fresh water and cemented to the surface. If salt is encountered set casing at least 25 ft. above the salt.
jeffrey.harrison	Administrative order required for non-standard location prior to production.

NEW MEXICO

(SP) EDDY
LADY FRANKLIN 25 STATE
LADY FRANKLIN 25 STATE 904H

OWB

Plan: PWP0

Standard Planning Report - Geographic

02 April, 2025

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well LADY FRANKLIN 25 STATE 904H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3366.0usft
Project:	(SP) EDDY	**MD Reference:**	KB @ 3366.0usft
Site:	LADY FRANKLIN 25 STATE	**North Reference:**	Grid
Well:	LADY FRANKLIN 25 STATE 904H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project (SP) EDDY

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

Site LADY FRANKLIN 25 STATE

Site Position:		**Northing:**	595,143.41 usft	**Latitude:**	32° 38' 9.407 N
From:	Map	**Easting:**	601,449.10 usft	**Longitude:**	104° 8' 17.008 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well LADY FRANKLIN 25 STATE 904H

Well Position	**+N/-S**	0.0 usft	**Northing:**	592,222.44 usft	**Latitude:**	32° 37' 40.503 N
	+E/-W	0.0 usft	**Easting:**	601,459.21 usft	**Longitude:**	104° 8' 16.953 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,333.0 usft
Grid Convergence:		0.11 °				

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.04	60.52	48,973.61985507

Design PWP0

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	95.89

Plan Survey Tool Program **Date** 4/2/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	14,072.3	PWP0 (OWB)	MWD OWSG_Rev2_ MWD - Star	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,750.0	15.00	196.57	2,741.5	-93.6	-27.8	2.00	2.00	0.00	196.57	
4,201.5	15.00	196.57	4,143.5	-453.6	-135.0	0.00	0.00	0.00	0.00	
4,951.5	0.00	0.00	4,885.0	-547.2	-162.8	2.00	-2.00	0.00	180.00	
8,682.0	0.00	0.00	8,615.5	-547.2	-162.8	0.00	0.00	0.00	0.00	
9,432.0	90.00	89.59	9,093.0	-543.8	314.6	12.00	12.00	11.95	89.59	
14,072.3	90.00	89.59	9,093.0	-510.9	4,954.8	0.00	0.00	0.00	0.00	BHL-LADY FRANK

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well LADY FRANKLIN 25 STATE 904H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3366.0usft
Project:	(SP) EDDY	**MD Reference:**	KB @ 3366.0usft
Site:	LADY FRANKLIN 25 STATE	**North Reference:**	Grid
Well:	LADY FRANKLIN 25 STATE 904H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
100.0	0.00	0.00	100.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
200.0	0.00	0.00	200.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
300.0	0.00	0.00	300.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
400.0	0.00	0.00	400.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
500.0	0.00	0.00	500.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
600.0	0.00	0.00	600.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
700.0	0.00	0.00	700.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
800.0	0.00	0.00	800.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
900.0	0.00	0.00	900.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	592,222.44	601,459.21	32° 37' 40.503 N	104° 8' 16.953 W
Start Build 2.00									
2,100.0	2.00	196.57	2,100.0	-1.7	-0.5	592,220.77	601,458.72	32° 37' 40.486 N	104° 8' 16.958 W
2,200.0	4.00	196.57	2,199.8	-6.7	-2.0	592,215.75	601,457.22	32° 37' 40.437 N	104° 8' 16.976 W
2,300.0	6.00	196.57	2,299.5	-15.0	-4.5	592,207.40	601,454.74	32° 37' 40.354 N	104° 8' 17.005 W
2,400.0	8.00	196.57	2,398.7	-26.7	-8.0	592,195.72	601,451.26	32° 37' 40.238 N	104° 8' 17.046 W
2,500.0	10.00	196.57	2,497.5	-41.7	-12.4	592,180.73	601,446.80	32° 37' 40.090 N	104° 8' 17.099 W
2,600.0	12.00	196.57	2,595.6	-60.0	-17.9	592,162.44	601,441.36	32° 37' 39.909 N	104° 8' 17.163 W
2,700.0	14.00	196.57	2,693.1	-81.6	-24.3	592,140.88	601,434.94	32° 37' 39.696 N	104° 8' 17.238 W
2,750.0	15.00	196.57	2,741.5	-93.6	-27.8	592,128.88	601,431.37	32° 37' 39.577 N	104° 8' 17.280 W
Start 1451.5 hold at 2750.0 MD									
2,800.0	15.00	196.57	2,789.8	-106.0	-31.5	592,116.48	601,427.68	32° 37' 39.455 N	104° 8' 17.324 W
2,900.0	15.00	196.57	2,886.4	-130.8	-38.9	592,091.67	601,420.30	32° 37' 39.209 N	104° 8' 17.411 W
3,000.0	15.00	196.57	2,982.9	-155.6	-46.3	592,066.87	601,412.91	32° 37' 38.964 N	104° 8' 17.497 W
3,100.0	15.00	196.57	3,079.5	-180.4	-53.7	592,042.06	601,405.53	32° 37' 38.719 N	104° 8' 17.584 W
3,200.0	15.00	196.57	3,176.1	-205.2	-61.1	592,017.25	601,398.15	32° 37' 38.473 N	104° 8' 17.671 W
3,300.0	15.00	196.57	3,272.7	-230.0	-68.4	591,992.45	601,390.77	32° 37' 38.228 N	104° 8' 17.758 W
3,400.0	15.00	196.57	3,369.3	-254.8	-75.8	591,967.64	601,383.39	32° 37' 37.983 N	104° 8' 17.845 W
3,500.0	15.00	196.57	3,465.9	-279.6	-83.2	591,942.83	601,376.00	32° 37' 37.737 N	104° 8' 17.932 W
3,600.0	15.00	196.57	3,562.5	-304.4	-90.6	591,918.03	601,368.62	32° 37' 37.492 N	104° 8' 18.019 W
3,700.0	15.00	196.57	3,659.1	-329.2	-98.0	591,893.22	601,361.24	32° 37' 37.247 N	104° 8' 18.105 W
3,800.0	15.00	196.57	3,755.7	-354.0	-105.4	591,868.41	601,353.86	32° 37' 37.001 N	104° 8' 18.192 W
3,900.0	15.00	196.57	3,852.3	-378.8	-112.7	591,843.61	601,346.47	32° 37' 36.756 N	104° 8' 18.279 W
4,000.0	15.00	196.57	3,948.9	-403.6	-120.1	591,818.80	601,339.09	32° 37' 36.511 N	104° 8' 18.366 W
4,100.0	15.00	196.57	4,045.5	-428.5	-127.5	591,793.99	601,331.71	32° 37' 36.265 N	104° 8' 18.453 W
4,201.5	15.00	196.57	4,143.5	-453.6	-135.0	591,768.81	601,324.22	32° 37' 36.016 N	104° 8' 18.541 W
Start Drop -2.00									
4,300.0	13.03	196.57	4,239.1	-476.5	-141.8	591,745.95	601,317.41	32° 37' 35.790 N	104° 8' 18.621 W
4,400.0	11.03	196.57	4,336.9	-496.5	-147.7	591,725.98	601,311.47	32° 37' 35.593 N	104° 8' 18.691 W
4,500.0	9.03	196.57	4,435.3	-513.2	-152.7	591,709.28	601,306.50	32° 37' 35.428 N	104° 8' 18.749 W
4,600.0	7.03	196.57	4,534.3	-526.5	-156.7	591,695.90	601,302.52	32° 37' 35.295 N	104° 8' 18.796 W
4,700.0	5.03	196.57	4,633.8	-536.6	-159.7	591,685.83	601,299.52	32° 37' 35.196 N	104° 8' 18.832 W
4,800.0	3.03	196.57	4,733.5	-543.4	-161.7	591,679.09	601,297.52	32° 37' 35.129 N	104° 8' 18.855 W
4,900.0	1.03	196.57	4,833.5	-546.7	-162.7	591,675.70	601,296.51	32° 37' 35.095 N	104° 8' 18.867 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well LADY FRANKLIN 25 STATE 904H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3366.0usft
Project:	(SP) EDDY	**MD Reference:**	KB @ 3366.0usft
Site:	LADY FRANKLIN 25 STATE	**North Reference:**	Grid
Well:	LADY FRANKLIN 25 STATE 904H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,951.5	0.00	0.00	4,885.0	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
Start 3730.5 hold at 4951.5 MD									
5,000.0	0.00	0.00	4,933.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,100.0	0.00	0.00	5,033.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,200.0	0.00	0.00	5,133.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,300.0	0.00	0.00	5,233.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,400.0	0.00	0.00	5,333.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,500.0	0.00	0.00	5,433.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,600.0	0.00	0.00	5,533.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,700.0	0.00	0.00	5,633.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,800.0	0.00	0.00	5,733.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
5,900.0	0.00	0.00	5,833.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,000.0	0.00	0.00	5,933.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,100.0	0.00	0.00	6,033.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,200.0	0.00	0.00	6,133.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,300.0	0.00	0.00	6,233.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,400.0	0.00	0.00	6,333.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,500.0	0.00	0.00	6,433.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,600.0	0.00	0.00	6,533.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,700.0	0.00	0.00	6,633.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,800.0	0.00	0.00	6,733.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
6,900.0	0.00	0.00	6,833.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,000.0	0.00	0.00	6,933.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,100.0	0.00	0.00	7,033.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,200.0	0.00	0.00	7,133.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,300.0	0.00	0.00	7,233.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,400.0	0.00	0.00	7,333.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,500.0	0.00	0.00	7,433.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,600.0	0.00	0.00	7,533.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,700.0	0.00	0.00	7,633.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,800.0	0.00	0.00	7,733.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
7,900.0	0.00	0.00	7,833.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,000.0	0.00	0.00	7,933.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,100.0	0.00	0.00	8,033.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,200.0	0.00	0.00	8,133.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,300.0	0.00	0.00	8,233.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,400.0	0.00	0.00	8,333.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,500.0	0.00	0.00	8,433.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,600.0	0.00	0.00	8,533.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
8,682.0	0.00	0.00	8,615.5	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W
Start DLS 12.00 TFO 89.59									
8,700.0	2.16	89.59	8,633.5	-547.2	-162.5	591,675.26	601,296.71	32° 37' 35.091 N	104° 8' 18.865 W
8,725.0	5.16	89.59	8,658.4	-547.2	-160.9	591,675.27	601,298.31	32° 37' 35.091 N	104° 8' 18.846 W
8,750.0	8.16	89.59	8,683.2	-547.2	-158.0	591,675.29	601,301.20	32° 37' 35.091 N	104° 8' 18.812 W
8,775.0	11.16	89.59	8,707.9	-547.1	-153.8	591,675.32	601,305.40	32° 37' 35.091 N	104° 8' 18.763 W
8,800.0	14.16	89.59	8,732.3	-547.1	-148.3	591,675.36	601,310.87	32° 37' 35.092 N	104° 8' 18.699 W
8,825.0	17.16	89.59	8,756.3	-547.0	-141.6	591,675.40	601,317.62	32° 37' 35.092 N	104° 8' 18.620 W
8,850.0	20.16	89.59	8,780.0	-547.0	-133.6	591,675.46	601,325.61	32° 37' 35.093 N	104° 8' 18.527 W
8,875.0	23.16	89.59	8,803.3	-546.9	-124.4	591,675.53	601,334.84	32° 37' 35.093 N	104° 8' 18.419 W
8,900.0	26.16	89.59	8,826.0	-546.8	-113.9	591,675.60	601,345.27	32° 37' 35.094 N	104° 8' 18.297 W
8,925.0	29.16	89.59	8,848.1	-546.8	-102.3	591,675.68	601,356.87	32° 37' 35.094 N	104° 8' 18.161 W
8,950.0	32.16	89.59	8,869.6	-546.7	-89.6	591,675.77	601,369.61	32° 37' 35.095 N	104° 8' 18.012 W
8,975.0	35.16	89.59	8,890.4	-546.6	-75.7	591,675.87	601,383.47	32° 37' 35.096 N	104° 8' 17.850 W
9,000.0	38.16	89.59	8,910.5	-546.5	-60.8	591,675.98	601,398.39	32° 37' 35.096 N	104° 8' 17.676 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well LADY FRANKLIN 25 STATE 904H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3366.0usft
Project:	(SP) EDDY	**MD Reference:**	KB @ 3366.0usft
Site:	LADY FRANKLIN 25 STATE	**North Reference:**	Grid
Well:	LADY FRANKLIN 25 STATE 904H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,025.0	41.16	89.59	8,929.7	-546.4	-44.9	591,676.09	601,414.34	32° 37' 35.097 N	104° 8' 17.489 W
9,050.0	44.16	89.59	8,948.1	-546.2	-27.9	591,676.21	601,431.28	32° 37' 35.098 N	104° 8' 17.291 W
9,075.0	47.16	89.59	8,965.6	-546.1	-10.1	591,676.34	601,449.16	32° 37' 35.099 N	104° 8' 17.082 W
9,100.0	50.16	89.59	8,982.1	-546.0	8.7	591,676.47	601,467.92	32° 37' 35.100 N	104° 8' 16.863 W
9,125.0	53.16	89.59	8,997.6	-545.8	28.3	591,676.61	601,487.53	32° 37' 35.101 N	104° 8' 16.633 W
9,150.0	56.16	89.59	9,012.1	-545.7	48.7	591,676.75	601,507.92	32° 37' 35.102 N	104° 8' 16.395 W
9,175.0	59.16	89.59	9,025.4	-545.5	69.8	591,676.90	601,529.03	32° 37' 35.103 N	104° 8' 16.148 W
9,200.0	62.16	89.59	9,037.7	-545.4	91.6	591,677.06	601,550.82	32° 37' 35.104 N	104° 8' 15.893 W
9,225.0	65.16	89.59	9,048.8	-545.2	114.0	591,677.22	601,573.22	32° 37' 35.105 N	104° 8' 15.631 W
9,250.0	68.16	89.59	9,058.7	-545.1	137.0	591,677.38	601,596.17	32° 37' 35.107 N	104° 8' 15.363 W
9,275.0	71.16	89.59	9,067.4	-544.9	160.4	591,677.55	601,619.61	32° 37' 35.108 N	104° 8' 15.089 W
9,300.0	74.16	89.59	9,074.8	-544.7	184.3	591,677.72	601,643.47	32° 37' 35.109 N	104° 8' 14.810 W
9,325.0	77.16	89.59	9,081.0	-544.6	208.5	591,677.89	601,667.69	32° 37' 35.110 N	104° 8' 14.527 W
9,350.0	80.16	89.59	9,085.9	-544.4	233.0	591,678.06	601,692.20	32° 37' 35.112 N	104° 8' 14.240 W
9,375.0	83.16	89.59	9,089.6	-544.2	257.7	591,678.24	601,716.93	32° 37' 35.113 N	104° 8' 13.951 W
9,400.0	86.16	89.59	9,091.9	-544.0	282.6	591,678.41	601,741.82	32° 37' 35.114 N	104° 8' 13.660 W
9,425.0	89.16	89.59	9,092.9	-543.9	307.6	591,678.59	601,766.79	32° 37' 35.115 N	104° 8' 13.368 W
9,432.0	90.00	89.59	9,093.0	-543.8	314.6	591,678.64	601,773.82	32° 37' 35.116 N	104° 8' 13.285 W
Start 4640.3 hold at 9432.0 MD									
9,500.0	90.00	89.59	9,093.0	-543.3	382.6	591,679.12	601,841.79	32° 37' 35.119 N	104° 8' 12.491 W
9,600.0	90.00	89.59	9,093.0	-542.6	482.6	591,679.83	601,941.79	32° 37' 35.125 N	104° 8' 11.321 W
9,700.0	90.00	89.59	9,093.0	-541.9	582.6	591,680.54	602,041.78	32° 37' 35.130 N	104° 8' 10.152 W
9,800.0	90.00	89.59	9,093.0	-541.2	682.6	591,681.25	602,141.78	32° 37' 35.135 N	104° 8' 8.983 W
9,900.0	90.00	89.59	9,093.0	-540.5	782.6	591,681.96	602,241.78	32° 37' 35.140 N	104° 8' 7.813 W
10,000.0	90.00	89.59	9,093.0	-539.8	882.6	591,682.67	602,341.78	32° 37' 35.145 N	104° 8' 6.644 W
10,100.0	90.00	89.59	9,093.0	-539.1	982.6	591,683.38	602,441.77	32° 37' 35.150 N	104° 8' 5.475 W
10,200.0	90.00	89.59	9,093.0	-538.4	1,082.6	591,684.09	602,541.77	32° 37' 35.156 N	104° 8' 4.305 W
10,300.0	90.00	89.59	9,093.0	-537.6	1,182.6	591,684.80	602,641.77	32° 37' 35.161 N	104° 8' 3.136 W
10,400.0	90.00	89.59	9,093.0	-536.9	1,282.6	591,685.51	602,741.77	32° 37' 35.166 N	104° 8' 1.967 W
10,500.0	90.00	89.59	9,093.0	-536.2	1,382.6	591,686.22	602,841.76	32° 37' 35.171 N	104° 8' 0.797 W
10,600.0	90.00	89.59	9,093.0	-535.5	1,482.5	591,686.93	602,941.76	32° 37' 35.176 N	104° 7' 59.628 W
10,700.0	90.00	89.59	9,093.0	-534.8	1,582.5	591,687.64	603,041.76	32° 37' 35.181 N	104° 7' 58.459 W
10,800.0	90.00	89.59	9,093.0	-534.1	1,682.5	591,688.35	603,141.76	32° 37' 35.187 N	104° 7' 57.289 W
10,900.0	90.00	89.59	9,093.0	-533.4	1,782.5	591,689.06	603,241.75	32° 37' 35.192 N	104° 7' 56.120 W
11,000.0	90.00	89.59	9,093.0	-532.7	1,882.5	591,689.77	603,341.75	32° 37' 35.197 N	104° 7' 54.951 W
11,100.0	90.00	89.59	9,093.0	-532.0	1,982.5	591,690.47	603,441.75	32° 37' 35.202 N	104° 7' 53.781 W
11,200.0	90.00	89.59	9,093.0	-531.3	2,082.5	591,691.18	603,541.75	32° 37' 35.207 N	104° 7' 52.612 W
11,300.0	90.00	89.59	9,093.0	-530.5	2,182.5	591,691.89	603,641.74	32° 37' 35.212 N	104° 7' 51.443 W
11,400.0	90.00	89.59	9,093.0	-529.8	2,282.5	591,692.60	603,741.74	32° 37' 35.217 N	104° 7' 50.273 W
11,500.0	90.00	89.59	9,093.0	-529.1	2,382.5	591,693.31	603,841.74	32° 37' 35.223 N	104° 7' 49.104 W
11,600.0	90.00	89.59	9,093.0	-528.4	2,482.5	591,694.02	603,941.74	32° 37' 35.228 N	104° 7' 47.935 W
11,700.0	90.00	89.59	9,093.0	-527.7	2,582.5	591,694.73	604,041.73	32° 37' 35.233 N	104° 7' 46.765 W
11,800.0	90.00	89.59	9,093.0	-527.0	2,682.5	591,695.44	604,141.73	32° 37' 35.238 N	104° 7' 45.596 W
11,900.0	90.00	89.59	9,093.0	-526.3	2,782.5	591,696.15	604,241.73	32° 37' 35.243 N	104° 7' 44.427 W
12,000.0	90.00	89.59	9,093.0	-525.6	2,882.5	591,696.86	604,341.73	32° 37' 35.248 N	104° 7' 43.257 W
12,100.0	90.00	89.59	9,093.0	-524.9	2,982.5	591,697.57	604,441.72	32° 37' 35.253 N	104° 7' 42.088 W
12,200.0	90.00	89.59	9,093.0	-524.2	3,082.5	591,698.28	604,541.72	32° 37' 35.258 N	104° 7' 40.919 W
12,300.0	90.00	89.59	9,093.0	-523.5	3,182.5	591,698.99	604,641.72	32° 37' 35.264 N	104° 7' 39.749 W
12,400.0	90.00	89.59	9,093.0	-522.7	3,282.5	591,699.70	604,741.72	32° 37' 35.269 N	104° 7' 38.580 W
12,500.0	90.00	89.59	9,093.0	-522.0	3,382.5	591,700.41	604,841.71	32° 37' 35.274 N	104° 7' 37.411 W
12,600.0	90.00	89.59	9,093.0	-521.3	3,482.5	591,701.12	604,941.71	32° 37' 35.279 N	104° 7' 36.241 W
12,700.0	90.00	89.59	9,093.0	-520.6	3,582.5	591,701.83	605,041.71	32° 37' 35.284 N	104° 7' 35.072 W
12,800.0	90.00	89.59	9,093.0	-519.9	3,682.5	591,702.54	605,141.71	32° 37' 35.289 N	104° 7' 33.903 W
12,900.0	90.00	89.59	9,093.0	-519.2	3,782.5	591,703.25	605,241.70	32° 37' 35.294 N	104° 7' 32.733 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well LADY FRANKLIN 25 STATE 904H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3366.0usft
Project:	(SP) EDDY	**MD Reference:**	KB @ 3366.0usft
Site:	LADY FRANKLIN 25 STATE	**North Reference:**	Grid
Well:	LADY FRANKLIN 25 STATE 904H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,000.0	90.00	89.59	9,093.0	-518.5	3,882.5	591,703.96	605,341.70	32° 37' 35.299 N	104° 7' 31.564 W
13,100.0	90.00	89.59	9,093.0	-517.8	3,982.5	591,704.66	605,441.70	32° 37' 35.304 N	104° 7' 30.395 W
13,200.0	90.00	89.59	9,093.0	-517.1	4,082.5	591,705.37	605,541.70	32° 37' 35.309 N	104° 7' 29.225 W
13,300.0	90.00	89.59	9,093.0	-516.4	4,182.5	591,706.08	605,641.69	32° 37' 35.314 N	104° 7' 28.056 W
13,400.0	90.00	89.59	9,093.0	-515.7	4,282.5	591,706.79	605,741.69	32° 37' 35.319 N	104° 7' 26.887 W
13,500.0	90.00	89.59	9,093.0	-514.9	4,382.5	591,707.50	605,841.69	32° 37' 35.325 N	104° 7' 25.717 W
13,600.0	90.00	89.59	9,093.0	-514.2	4,482.5	591,708.21	605,941.69	32° 37' 35.330 N	104° 7' 24.548 W
13,700.0	90.00	89.59	9,093.0	-513.5	4,582.5	591,708.92	606,041.68	32° 37' 35.335 N	104° 7' 23.379 W
13,800.0	90.00	89.59	9,093.0	-512.8	4,682.5	591,709.63	606,141.68	32° 37' 35.340 N	104° 7' 22.209 W
13,900.0	90.00	89.59	9,093.0	-512.1	4,782.5	591,710.34	606,241.68	32° 37' 35.345 N	104° 7' 21.040 W
14,000.0	90.00	89.59	9,093.0	-511.4	4,882.5	591,711.05	606,341.68	32° 37' 35.350 N	104° 7' 19.871 W
14,072.3	90.00	89.59	9,093.0	-510.9	4,954.8	591,711.56	606,413.99	32° 37' 35.354 N	104° 7' 19.025 W
TD at 14072.3									

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
BHL-LADY FRANKLI - plan hits target center - Point	0.00	0.00	9,093.0	-510.9	4,954.8	591,711.56	606,413.99	32° 37' 35.354 N	104° 7' 19.025 W
LTP-LADY FRANKLI - plan hits target center - Point	0.00	0.00	9,093.0	-511.5	4,864.8	591,710.93	606,323.99	32° 37' 35.349 N	104° 7' 20.077 W
FTP-LADY FRANKLI - plan misses target center by 197.8usft at 9054.8usft MD (8951.5 TVD, -546.2 N, -24.6 E) - Point	0.00	0.00	9,093.0	-547.2	-162.8	591,675.25	601,296.37	32° 37' 35.091 N	104° 8' 18.869 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,750.0	2,741.5	-93.6	-27.8	Start 1451.5 hold at 2750.0 MD
4,201.5	4,143.5	-453.6	-135.0	Start Drop -2.00
4,951.5	4,885.0	-547.2	-162.8	Start 3730.5 hold at 4951.5 MD
8,682.0	8,615.5	-547.2	-162.8	Start DLS 12.00 TFO 89.59
9,432.0	9,093.0	-543.8	314.6	Start 4640.3 hold at 9432.0 MD
14,072.3	9,093.0	-510.9	4,954.8	TD at 14072.3

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: Permian Resources Operating, LLC **OGRID:** 372165 **Date:** 05/1/2025

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: _____

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

IV. Central Delivery Point Name: Lady Franklin CTB [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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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 Name	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

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
TBD	TBD	TBD	TBD	TBD

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:
Printed Name: Ashley Brown
Title: Regulatory Supervisor
E-mail Address: Ashley.Brown@permianres.com
Date: 4/7/2025
Phone: (432) 400-2972

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Permian Resources Operating, LLC (372165)

Natural Gas Management Plan Descriptions

VI. Separation Equipment:

Permian utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations. Our goal is to maintain 5 minutes of retention time in the test vessel and 20 minutes in the heater treater at peak production rates. The gas produced is routed from the separator to the gas sales line.

VII. Operational Practices:

Drilling

During Permian's drilling operations it is uncommon for venting or flaring to occur. If flaring is needed due to safety concerns, gas will be routed to a flare and volumes will be estimated.

Flowback

During completion/recompletion flowback operations, after separation flowback begins and as soon as it is technically feasible, Permian routes gas though a permanent separator and the controlled facility where the gas is either sold or flared through a high-pressure flare if needed.

Production

Per 19.15.27.8.D, Permian's facilities are designed to minimize waste. Our produced gas will only be vented or flared in an emergency or malfunction situation, except as allowed for normal operations noted in 19.15.27.8.D(2) & (4). All gas that is flared is metered. All gas that may be vented will be estimated.

Performance Standards

Permian utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations.

All of Permian's permanent storage tanks associated with production operations which are routed to a flare or control device are equipped with an automatic gauging system.

All of Permian's flare stacks, both currently installed and for future installation, are:

1) Appropriately sized and designed to ensure proper combustion efficiency.
2) Equipped with an automatic ignitor or continuous pilot.
3) Anchored and located at least 100 feet from the well and storage tanks.

Permian's field operations and HSE teams have implemented an AVO inspection schedule that adheres to the requirements of 19.15.27.8.E(5).

All of our operations and facilities are designed to minimize waste. We routinely employ the following methods and practices:

- Closed-loop systems
- Enclosed and properly sized tanks

- Vapor recovery units to maximize recovery of low-pressure gas streams and potential unauthorized emissions
- Low-emitting or electric engines whenever practical
- Combustors and flare stacks in the event of a malfunction or emergency
- Routine facility inspections to identify leaking components, functioning control devices, such as flares and combustors, and repair / replacement of malfunctioning components where applicable

Measurement or estimation

Permian measures or estimates the volumes of natural gas vented, flared and/or beneficially used for all of our drilling, completing and producing wells. We utilize accepted industry standards and methodology which can be independently verified. Annual GOR testing is completed on our wells and will be submitted as required by the OCD. None of our equipment is designed to allow diversion around metering elements except during inspection, maintenance and repair operations.

VIII. Best Management Practices:

Permian utilizes the following BMPs to minimize venting during active and planned maintenance activities:

- Use a closed-loop process wherever possible during planned maintenance activities, such as blowdowns, liquid removal, and work over operations.
- Employ low-emitting or electric engines for equipment, such as compressors
- Adhere to a strict preventative maintenance program which includes routine facility inspections, identification of component malfunctions, and repairing or replacing components such as hatches, seals, valves, etc. where applicable
- Utilize vapor recovery units (VRU's) to maximize recovery of volumes of low-pressure gas streams and potential unauthorized emissions
- Route low pressure gas and emissions streams to a combustion device to prevent venting where necessary

Enhanced Natural Gas Management Plan

Operator's Plan to Manage Production in Response to Increased Line Pressure

Permian Resources Operating, LLC (Permian) anticipates that its existing wells connected to the same portion of the natural gas gathering system will continue to meet anticipated increases in line pressure caused by the new wells. Permian will actively monitor line pressure throughout the field and will make necessary adjustments to existing production separators' pressures to send gas to sales. Permian also plans to implement automated alarms on all flare meters to alert of flaring events as they occur. The alarms will send notifications to field operations and engineering staff via text message and email at every occurrence of flaring. In addition, Permian plans to implement automated alarms on all flare meters to alert of any continuous flaring event that has continued for at least 4 hours. The alarms will send notifications to field operations and engineering management. Permian personnel will promptly respond to these alarms, communicate with midstream partners, and take the appropriate action to reduce flaring caused by high line pressure from new well production.