

Santa Fe Main Office Phone: (505) 476-3441 Fax: (505) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: Permian Resources Operating, LLC	OGRID: 372165
Property Name and Well Number: Moran 9 Fed Com 172H	Property Code: 335722
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-0 25-52801
Pool Name: Bilbrey Basin; Bone Spring	Pool Code: 5695

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	9	21S	32E		300 South	1369 East	32.486848	-103.675593	Lea

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Flowing	9/17/24	11,710 - 22,012	11,203 - 11,300

Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☒ Yes ☐ No, Order No. Pending
Surface Casing Action ID: 357765	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 357719	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 365432	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID:	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Kania Schlichting	Ph: 432-400-0185
Title Regulatory Specialist	Date 10/28/24

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 30-025-52801	Pool Code 5695	Pool Name BILBREY BASIN, BONE SPRING
Property Code 335722	Property Name MORAN 9 FED COM	Well Number 172H
OGRID No. 372165	Operator Name PERMIAN RESOURCES OPERATING, LLC	Ground Level Elevation 3,758.3'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL O	Section 9	Township 21S	Range 32E	Lot	Ft. from N/S 300 SOUTH	Ft. from E/W 1,369 EAST	Latitude (NAD 83) 32.486848°	Longitude (NAD 83) -103.675593°	County LEA
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Bottom Hole Location

UL O	Section 21	Township 21S	Range 32E	Lot	Ft. from N/S 80 SOUTH	Ft. from E/W 2,621 EAST	Latitude (NAD 83) 32.457198°	Longitude (NAD 83) -103.679669°	County LEA
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Dedicated Acres 640	Infill or Defining Well DEFINING BS WELL	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers.		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL O	Section 9	Township 21S	Range 32E	Lot	Ft. from N/S 514 SOUTH	Ft. from E/W 2,523 EAST	Latitude (NAD 83) 32.487428°	Longitude (NAD 83) -103.679337°	County LEA
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First Take Point (FTP)

UL B	Section 16	Township 21S	Range 32E	Lot	Ft. from N/S 134 NORTH	Ft. from E/W 2,571 EAST	Latitude (NAD 83) 32.485646°	Longitude (NAD 83) -103.679492°	County LEA
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Last Take Point (LTP)

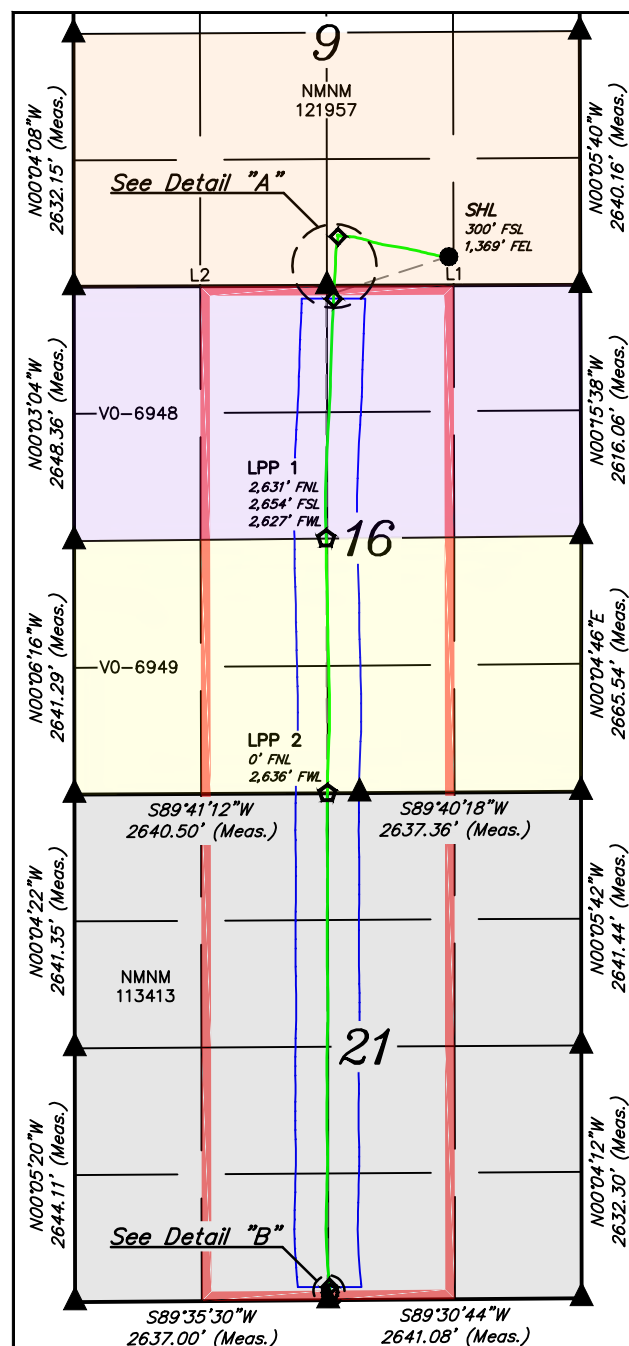
UL O	Section 21	Township 21S	Range 32E	Lot	Ft. from N/S 138 SOUTH	Ft. from E/W 2,627 EAST	Latitude (NAD 83) 32.457357°	Longitude (NAD 83) -103.679687°	County LEA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3788
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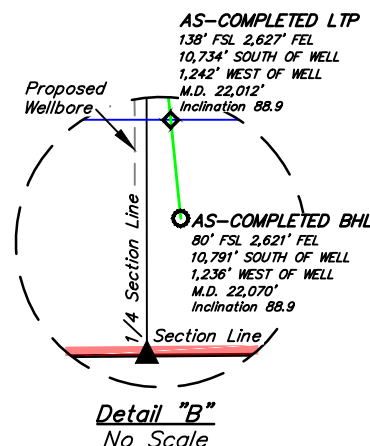
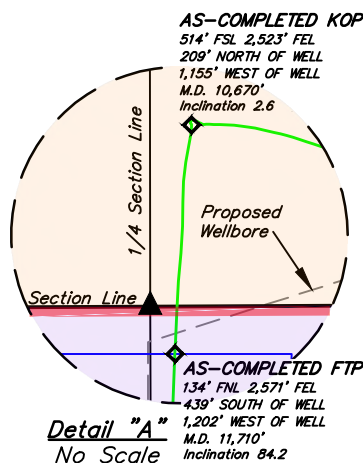
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  10/22/24 Signature _____ Date _____ Kanicia Schlichting Printed Name _____ kanicia.schlichting@permianres.com Email Address _____	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 April 04, 2024 Certificate Number _____ Date of Survey _____
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Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name MORAN 9 FED COM	Well Number 172H	Drawn By T.I.R. 10-09-24	Revised By
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LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°44'40"W	2640.62'
L2	S89°47'22"W	2636.19'



APPROXIMATE WELLBORE MEASURED DEPTH DISTANCE FROM FTP TO LTP	
LEASE	DISTANCE
VO-6948	2500.23'
VO-6949	2655.48'
NMNM-113413	5146.29'
TOTAL	10302.00'



- = SURFACE HOLE LOCATION
- ◆ = AS-COMPLETED KICK OFF POINT/ FIRST TAKE POINT/ LAST TAKE POINT
- ☆ = AS-COMPLETED LEASE PENETRATION POINT
- = AS-COMPLETED BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- = HORIZONTAL SPACING UNIT
- = AS-COMPLETED WELLBORE
- = 330' BUFFER FROM WELLBORE

NAD 83 (SURFACE HOLE LOCATION)	FOOTAGE
LATITUDE = 32°29'12.65" (32.486848°)	300' FSL
LONGITUDE = -103°40'32.14" (-103.675593°)	1,369' FEL
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°29'12.21" (32.486725°)	
LONGITUDE = -103°40'30.37" (-103.675102°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 541471.30' E: 744146.24'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 541409.83' E: 702964.79'	
NAD 83 (AS-COMPLETED KOP)	FOOTAGE
LATITUDE = 32°29'14.74" (32.487428°)	514' FSL
LONGITUDE = -103°40'45.61" (-103.679337°)	2,523' FEL
NAD 27 (AS-COMPLETED KOP)	
LATITUDE = 32°29'14.30" (32.487305°)	
LONGITUDE = -103°40'43.84" (-103.678846°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 541675.27' E: 742990.66'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 541613.80' E: 701809.22'	
NAD 83 (AS-COMPLETED FTP)	FOOTAGE
LATITUDE = 32°29'08.33" (32.485646°)	134' FNL
LONGITUDE = -103°40'46.17" (-103.679492°)	2,571' FEL
NAD 27 (AS-COMPLETED FTP)	
LATITUDE = 32°29'07.89" (32.485524°)	
LONGITUDE = -103°40'44.40" (-103.679001°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 541026.83' E: 742946.74'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 540965.38' E: 701765.28'	
NAD 83 (AS-COMPLETED LPP 1)	FOOTAGE
LATITUDE = 32°28'43.62" (32.478783°)	2,631' FNL
LONGITUDE = -103°40'47.12" (-103.679756°)	2,654' FSL
NAD 27 (AS-COMPLETED LPP 1)	2,627' FWL
LATITUDE = 32°28'43.18" (32.478661°)	
LONGITUDE = -103°40'45.35" (-103.679265°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 538529.47' E: 742880.82'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 538468.09' E: 701699.30'	
NAD 83 (AS-COMPLETED LPP 2)	FOOTAGE
LATITUDE = 32°28'17.37" (32.471491°)	0' FNL
LONGITUDE = -103°40'47.03" (-103.679729°)	2,636' FWL
NAD 27 (AS-COMPLETED LPP 2)	
LATITUDE = 32°28'16.92" (32.471368°)	
LONGITUDE = -103°40'45.26" (-103.679239°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 535876.42' E: 742905.16'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 535815.11' E: 701723.57'	
NAD 83 (AS-COMPLETED LTP)	FOOTAGE
LATITUDE = 32°27'26.48" (32.457357°)	138' FSL
LONGITUDE = -103°40'46.87" (-103.679687°)	2,627' FEL
NAD 27 (AS-COMPLETED LTP)	
LATITUDE = 32°27'26.04" (32.457234°)	
LONGITUDE = -103°40'45.11" (-103.679198°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 530734.50' E: 742949.53'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 530673.34' E: 701767.80'	
NAD 83 (AS-COMPLETED BHL)	FOOTAGE
LATITUDE = 32°27'25.91" (32.457198°)	80' FSL
LONGITUDE = -103°40'46.81" (-103.679669°)	2,621' FEL
NAD 27 (AS-COMPLETED BHL)	
LATITUDE = 32°27'25.47" (32.457075°)	
LONGITUDE = -103°40'45.04" (-103.679179°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 530676.84' E: 742955.63'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 530615.67' E: 701773.90'	

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Colored areas within section lines represent Federal oil & gas leases.
- Wellbore data provided by Permian Resources Operating, LLC.
- As-Drilled well head has not been field verified.



Permian Resources

Lea County, NM (NAD83 NME)

Moran

Moran 9 Fed Com 172H

OH / 74806

Design: Surveys (H&P 510)

Standard Survey Report

12 July, 2024



PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Moran				
Site Position:		Northing:	541,421.20 usft	Latitude:	32° 29' 12.311309 N
From:	Map	Easting:	741,590.81 usft	Longitude:	103° 41' 1.973458 W
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "		

Well	Moran 9 Fed Com 172H					
Well Position	+N/-S	0.00 usft	Northing:	541,471.30 usft	Latitude:	32° 29' 12.652115 N
	+E/-W	0.00 usft	Easting:	744,146.24 usft	Longitude:	103° 40' 32.136006 W
Position Uncertainty		1.00 usft	Wellhead Elevation:	usft	Ground Level:	3,758.30 usft
Grid Convergence:		0.353 °				

Wellbore	OH / 74806				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	7/21/2024	6.294	60.150	47,584.84049520

Design	Surveys (H&P 510)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	186.45	

Survey Program	Date	7/12/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
181.00	22,070.00	Phoenix MWD Surveys (OH / 74806)	MWD+HRGM	OWSG MWD + HRGM	

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	
181.00	0.50	202.55	181.00	-0.73	-0.30	0.76	0.28	0.28	0.00	
First Phoenix MWD Survey										
209.00	0.27	193.07	209.00	-0.91	-0.36	0.94	0.85	-0.82	-33.86	
350.00	0.20	210.44	350.00	-1.44	-0.56	1.50	0.07	-0.05	12.32	
407.00	0.25	221.29	407.00	-1.62	-0.70	1.69	0.11	0.09	19.04	
524.00	0.62	218.95	523.99	-2.31	-1.26	2.43	0.32	0.32	-2.00	
614.00	0.67	219.22	613.99	-3.09	-1.90	3.29	0.06	0.06	0.30	
703.00	0.76	211.03	702.98	-4.00	-2.54	4.26	0.15	0.10	-9.20	
792.00	0.55	231.93	791.97	-4.77	-3.18	5.10	0.35	-0.24	23.48	

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)
881.00	0.23	238.02	880.97	-5.13	-3.66	5.51	0.36	-0.36	6.84
969.00	0.30	236.41	968.97	-5.35	-4.01	5.76	0.08	0.08	-1.83
1,057.00	0.70	253.70	1,056.97	-5.63	-4.71	6.12	0.48	0.45	19.65
1,146.00	0.80	228.08	1,145.96	-6.20	-5.70	6.80	0.39	0.11	-28.79
1,234.00	0.59	225.61	1,233.95	-6.92	-6.48	7.61	0.24	-0.24	-2.81
1,252.00	0.78	240.48	1,251.95	-7.05	-6.65	7.75	1.44	1.06	82.61
1,445.00	0.62	224.20	1,444.94	-8.44	-8.52	9.35	0.13	-0.08	-8.44
1,539.00	0.64	208.65	1,538.93	-9.27	-9.13	10.24	0.18	0.02	-16.54
1,634.00	0.50	200.59	1,633.93	-10.12	-9.53	11.13	0.17	-0.15	-8.48
1,728.00	1.91	273.75	1,727.91	-10.40	-11.24	11.60	1.95	1.50	77.83
1,823.00	3.35	272.88	1,822.80	-10.16	-15.59	11.85	1.52	1.52	-0.92
1,917.00	4.54	275.23	1,916.58	-9.68	-22.04	12.10	1.28	1.27	2.50
2,011.00	6.47	280.31	2,010.14	-8.40	-30.95	11.82	2.12	2.05	5.40
2,105.00	8.25	285.43	2,103.37	-5.65	-42.67	10.41	2.02	1.89	5.45
2,200.00	9.92	279.94	2,197.17	-2.43	-57.30	8.85	1.98	1.76	-5.78
2,294.00	10.84	279.16	2,289.63	0.38	-74.00	7.93	0.99	0.98	-0.83
2,388.00	11.73	281.52	2,381.82	3.69	-92.09	6.67	1.07	0.95	2.51
2,483.00	11.77	281.89	2,474.82	7.62	-111.03	4.90	0.09	0.04	0.39
2,577.00	11.59	282.72	2,566.88	11.67	-129.62	2.96	0.26	-0.19	0.88
2,671.00	11.04	282.83	2,659.05	15.75	-147.61	0.93	0.59	-0.59	0.12
2,765.00	10.55	283.82	2,751.39	19.80	-164.74	-1.18	0.56	-0.52	1.05
2,860.00	11.88	280.73	2,844.57	23.70	-182.80	-3.03	1.54	1.40	-3.25
2,954.00	11.64	281.74	2,936.60	27.43	-201.59	-4.62	0.34	-0.26	1.07
3,048.00	11.31	282.75	3,028.72	31.40	-219.86	-6.51	0.41	-0.35	1.07
3,143.00	10.95	283.95	3,121.93	35.63	-237.70	-8.71	0.45	-0.38	1.26
3,226.00	10.61	284.15	3,203.47	39.40	-252.76	-10.76	0.41	-0.41	0.24
3,332.00	10.02	284.39	3,307.75	44.07	-271.16	-13.35	0.56	-0.56	0.23
3,426.00	10.01	283.67	3,400.32	48.04	-287.02	-15.50	0.13	-0.01	-0.77
3,520.00	10.04	283.06	3,492.89	51.82	-302.94	-17.47	0.12	0.03	-0.65
3,615.00	9.88	284.01	3,586.46	55.66	-318.91	-19.50	0.24	-0.17	1.00
3,709.00	9.72	283.96	3,679.08	59.53	-334.44	-21.60	0.17	-0.17	-0.05
3,804.00	11.52	283.07	3,772.45	63.61	-351.46	-23.74	1.90	1.89	-0.94
3,898.00	11.45	281.20	3,864.57	67.54	-369.76	-25.60	0.40	-0.07	-1.99
3,992.00	11.40	280.05	3,956.71	70.98	-388.06	-26.96	0.25	-0.05	-1.22
4,087.00	11.69	280.48	4,049.79	74.37	-406.77	-28.22	0.32	0.31	0.45
4,181.00	11.86	280.39	4,141.81	77.84	-425.63	-29.56	0.18	0.18	-0.10
4,275.00	11.72	281.03	4,233.82	81.41	-444.50	-30.98	0.20	-0.15	0.68
4,369.00	11.93	280.61	4,325.83	85.03	-463.42	-32.45	0.24	0.22	-0.45
4,558.00	12.53	279.51	4,510.54	92.01	-502.85	-34.96	0.34	0.32	-0.58
4,746.00	13.04	279.73	4,693.88	98.96	-543.86	-37.27	0.27	0.27	0.12
4,946.00	13.55	278.84	4,888.52	106.38	-589.25	-39.54	0.27	0.26	-0.45
5,044.00	13.10	277.48	4,983.88	109.59	-611.61	-40.22	0.56	-0.46	-1.39
5,139.00	12.64	276.95	5,076.49	112.25	-632.60	-40.50	0.50	-0.48	-0.56

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)
5,233.00	11.80	275.89	5,168.36	114.48	-652.37	-40.50	0.92	-0.89	-1.13
5,327.00	13.19	283.13	5,260.14	117.90	-672.38	-41.66	2.23	1.48	7.70
5,422.00	13.28	284.30	5,352.62	123.06	-693.51	-44.41	0.30	0.09	1.23
5,517.00	12.60	283.71	5,445.20	128.21	-714.15	-47.21	0.73	-0.72	-0.62
5,611.00	12.15	281.46	5,537.02	132.60	-733.80	-49.37	0.70	-0.48	-2.39
5,706.00	11.66	281.12	5,629.98	136.44	-753.02	-51.02	0.52	-0.52	-0.36
5,800.00	11.28	282.03	5,722.10	140.19	-771.33	-52.69	0.45	-0.40	0.97
5,895.00	12.56	287.01	5,815.05	145.15	-790.30	-55.49	1.73	1.35	5.24
5,989.00	12.29	287.86	5,906.85	151.21	-809.59	-59.34	0.35	-0.29	0.90
6,084.00	12.39	288.44	5,999.65	157.53	-828.89	-63.46	0.17	0.11	0.61
6,178.00	12.66	287.11	6,091.42	163.75	-848.30	-67.46	0.42	0.29	-1.41
6,273.00	11.97	287.65	6,184.23	169.80	-867.64	-71.30	0.74	-0.73	0.57
6,367.00	11.45	284.80	6,276.27	175.14	-885.95	-74.55	0.83	-0.55	-3.03
6,462.00	10.98	283.87	6,369.46	179.72	-903.85	-77.09	0.53	-0.49	-0.98
6,556.00	10.15	282.76	6,461.87	183.69	-920.62	-79.16	0.91	-0.88	-1.18
6,745.00	12.06	282.20	6,647.32	191.55	-956.16	-82.97	1.01	1.01	-0.30
6,840.00	11.63	281.91	6,740.30	195.62	-975.23	-84.88	0.46	-0.45	-0.31
6,935.00	11.24	278.74	6,833.41	199.00	-993.75	-86.16	0.78	-0.41	-3.34
7,029.00	13.52	276.02	6,925.22	201.55	-1,013.73	-86.44	2.50	2.43	-2.89
7,123.00	12.43	275.12	7,016.82	203.60	-1,034.74	-86.13	1.18	-1.16	-0.96
7,218.00	12.21	272.59	7,109.63	204.97	-1,054.96	-85.21	0.61	-0.23	-2.66
7,312.00	11.80	271.09	7,201.58	205.60	-1,074.50	-83.65	0.55	-0.44	-1.60
7,406.00	9.96	271.30	7,293.88	205.97	-1,092.24	-82.02	1.96	-1.96	0.22
7,501.00	5.46	271.70	7,388.00	206.29	-1,104.97	-80.91	4.74	-4.74	0.42
7,595.00	5.09	263.92	7,481.60	205.98	-1,113.59	-79.63	0.86	-0.39	-8.28
7,690.00	3.96	272.66	7,576.31	205.68	-1,121.06	-78.50	1.39	-1.19	9.20
7,784.00	2.45	300.60	7,670.16	206.86	-1,126.03	-79.11	2.27	-1.61	29.72
7,878.00	2.28	295.05	7,764.08	208.67	-1,129.45	-80.53	0.30	-0.18	-5.90
7,973.00	1.92	297.83	7,859.02	210.22	-1,132.57	-81.71	0.39	-0.38	2.93
8,067.00	2.24	302.69	7,952.96	211.94	-1,135.51	-83.10	0.39	0.34	5.17
8,161.00	1.98	297.73	8,046.89	213.69	-1,138.50	-84.50	0.34	-0.28	-5.28
8,255.00	2.12	292.87	8,140.83	215.12	-1,141.53	-85.58	0.24	0.15	-5.17
8,350.00	1.68	286.33	8,235.78	216.20	-1,144.49	-86.32	0.52	-0.46	-6.88
8,444.00	1.00	270.54	8,329.75	216.59	-1,146.63	-86.47	0.82	-0.72	-16.80
8,539.00	1.12	275.30	8,424.74	216.69	-1,148.39	-86.37	0.16	0.13	5.01
8,633.00	0.30	300.38	8,518.73	216.89	-1,149.51	-86.45	0.91	-0.87	26.68
8,728.00	0.38	270.53	8,613.73	217.02	-1,150.04	-86.52	0.20	0.08	-31.42
8,822.00	0.60	309.80	8,707.72	217.34	-1,150.73	-86.75	0.41	0.23	41.78
8,917.00	0.77	262.50	8,802.72	217.58	-1,151.75	-86.87	0.60	0.18	-49.79
9,012.00	1.08	272.58	8,897.71	217.53	-1,153.27	-86.66	0.37	0.33	10.61
9,106.00	1.72	293.85	8,991.68	218.14	-1,155.45	-87.02	0.87	0.68	22.63
9,200.00	1.49	326.30	9,085.64	219.73	-1,157.42	-88.38	0.98	-0.24	34.52
9,295.00	0.73	103.63	9,180.63	220.62	-1,157.52	-89.25	2.20	-0.80	144.56

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)
9,389.00	0.19	29.79	9,274.63	220.61	-1,156.86	-89.31	0.75	-0.57	-78.55
9,484.00	1.35	246.74	9,369.62	220.30	-1,157.81	-88.90	1.59	1.22	-150.58
9,578.00	1.99	253.11	9,463.58	219.39	-1,160.38	-87.71	0.71	0.68	6.78
9,672.00	1.21	144.62	9,557.56	218.11	-1,161.37	-86.32	2.80	-0.83	-115.41
9,767.00	1.11	138.87	9,652.54	216.60	-1,160.19	-84.95	0.16	-0.11	-6.05
9,861.00	0.95	167.35	9,746.53	215.15	-1,159.42	-83.60	0.56	-0.17	30.30
9,956.00	0.63	167.40	9,841.52	213.87	-1,159.13	-82.37	0.34	-0.34	0.05
10,051.00	0.70	185.62	9,936.51	212.79	-1,159.07	-81.29	0.23	0.07	19.18
10,145.00	0.76	197.93	10,030.50	211.62	-1,159.32	-80.11	0.18	0.06	13.10
10,267.00	0.73	144.01	10,152.49	210.22	-1,159.11	-78.74	0.55	-0.02	-44.20
10,361.00	0.68	144.79	10,246.49	209.28	-1,158.44	-77.88	0.05	-0.05	0.83
10,456.00	0.82	139.62	10,341.48	208.31	-1,157.67	-77.00	0.16	0.15	-5.44
10,550.00	1.07	138.54	10,435.47	207.14	-1,156.66	-75.95	0.27	0.27	-1.15
10,645.00	0.99	157.17	10,530.45	205.71	-1,155.75	-74.64	0.36	-0.08	19.61
10,739.00	7.11	176.92	10,624.17	199.15	-1,155.12	-68.18	6.58	6.51	21.01
10,834.00	19.06	189.76	10,716.55	177.91	-1,157.45	-46.82	12.87	12.58	13.52
10,928.00	24.97	190.19	10,803.66	143.23	-1,163.56	-11.67	6.29	6.29	0.46
11,022.00	33.30	189.17	10,885.70	98.15	-1,171.20	33.99	8.88	8.86	-1.09
11,117.00	35.73	183.29	10,963.99	44.68	-1,176.95	87.75	4.34	2.56	-6.19
11,211.00	42.22	180.95	11,037.03	-14.36	-1,179.05	146.66	7.08	6.90	-2.49
11,305.00	51.74	180.50	11,101.09	-83.00	-1,179.90	214.97	10.13	10.13	-0.48
11,400.00	54.47	185.62	11,158.14	-158.81	-1,184.01	290.76	5.18	2.87	5.39
11,494.00	62.57	183.73	11,207.19	-238.65	-1,190.48	370.81	8.79	8.62	-2.01
11,589.00	72.44	182.12	11,243.50	-326.19	-1,194.91	458.30	10.51	10.39	-1.69
11,675.68	80.64	182.34	11,263.66	-410.36	-1,198.19	542.30	9.46	9.46	0.26
FTP: 11675.68' MD, 11263.66' TVD									
11,683.00	81.33	182.36	11,264.81	-417.58	-1,198.49	549.51	9.46	9.46	0.25
11,777.00	91.26	181.96	11,270.87	-511.20	-1,202.02	642.94	10.57	10.56	-0.43
11,872.00	93.06	182.22	11,267.29	-606.06	-1,205.48	737.59	1.91	1.89	0.27
11,966.00	93.45	181.54	11,261.95	-699.86	-1,208.56	831.14	0.83	0.41	-0.72
12,061.00	92.41	182.96	11,257.10	-794.66	-1,212.29	925.76	1.85	-1.09	1.49
12,155.00	92.03	182.10	11,253.46	-888.50	-1,216.43	1,019.47	1.00	-0.40	-0.91
12,250.00	91.96	181.46	11,250.15	-983.39	-1,219.38	1,114.10	0.68	-0.07	-0.67
12,345.00	92.12	180.60	11,246.77	-1,078.32	-1,221.09	1,208.61	0.92	0.17	-0.91
12,439.00	91.92	182.17	11,243.45	-1,172.23	-1,223.36	1,302.18	1.68	-0.21	1.67
12,533.00	91.83	181.83	11,240.38	-1,266.12	-1,226.64	1,395.85	0.37	-0.10	-0.36
12,628.00	91.47	180.55	11,237.64	-1,361.06	-1,228.61	1,490.41	1.40	-0.38	-1.35
12,722.00	91.33	182.89	11,235.35	-1,454.98	-1,231.43	1,584.05	2.49	-0.15	2.49
12,816.00	91.22	182.71	11,233.25	-1,548.85	-1,236.02	1,677.84	0.22	-0.12	-0.19
12,911.00	90.70	182.86	11,231.66	-1,643.72	-1,240.64	1,772.63	0.57	-0.55	0.16
13,005.00	90.35	183.95	11,230.80	-1,737.55	-1,246.22	1,866.49	1.22	-0.37	1.16
13,099.00	89.79	183.19	11,230.69	-1,831.37	-1,252.07	1,960.38	1.00	-0.60	-0.81
13,194.00	88.10	182.21	11,232.44	-1,926.24	-1,256.55	2,055.15	2.06	-1.78	-1.03
13,288.00	89.21	182.27	11,234.64	-2,020.14	-1,260.22	2,148.87	1.18	1.18	0.06

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)
13,383.00	89.87	182.32	11,235.40	-2,115.06	-1,264.02	2,243.62	0.70	0.69	0.05
13,477.00	89.08	181.55	11,236.27	-2,209.00	-1,267.20	2,337.32	1.17	-0.84	-0.82
13,571.00	89.33	182.37	11,237.57	-2,302.94	-1,270.41	2,431.02	0.91	0.27	0.87
13,666.00	89.02	181.86	11,238.94	-2,397.86	-1,273.92	2,525.74	0.63	-0.33	-0.54
13,761.00	88.50	180.63	11,240.99	-2,492.81	-1,275.98	2,620.33	1.41	-0.55	-1.29
13,855.00	90.01	179.35	11,242.22	-2,586.80	-1,275.96	2,713.72	2.11	1.61	-1.36
13,949.00	89.53	178.80	11,242.59	-2,680.79	-1,274.45	2,806.94	0.78	-0.51	-0.59
14,043.00	89.31	177.95	11,243.55	-2,774.74	-1,271.78	2,900.00	0.93	-0.23	-0.90
14,137.00	89.08	177.14	11,244.87	-2,868.65	-1,267.75	2,992.86	0.90	-0.24	-0.86
14,210.23	90.61	179.20	11,245.07	-2,941.83	-1,265.42	3,065.32	3.50	2.08	2.81
LPP1: 14210.23' MD, 11245.07' TVD									
14,232.00	91.06	179.81	11,244.75	-2,963.60	-1,265.23	3,086.93	3.50	2.08	2.81
14,326.00	91.07	179.69	11,243.00	-3,057.58	-1,264.82	3,180.27	0.13	0.01	-0.13
14,421.00	90.35	179.18	11,241.83	-3,152.57	-1,263.88	3,274.55	0.93	-0.76	-0.54
14,515.00	88.82	178.43	11,242.51	-3,246.54	-1,261.92	3,367.71	1.81	-1.63	-0.80
14,610.00	88.20	178.19	11,244.98	-3,341.47	-1,259.12	3,461.72	0.70	-0.65	-0.25
14,704.00	88.61	178.05	11,247.59	-3,435.38	-1,256.04	3,554.69	0.46	0.44	-0.15
14,798.00	88.05	177.32	11,250.33	-3,529.27	-1,252.24	3,647.56	0.98	-0.60	-0.78
14,893.00	88.28	179.04	11,253.37	-3,624.17	-1,249.23	3,741.52	1.83	0.24	1.81
14,987.00	88.30	179.63	11,256.18	-3,718.12	-1,248.14	3,834.75	0.63	0.02	0.63
15,082.00	87.53	179.37	11,259.64	-3,813.05	-1,247.31	3,928.99	0.86	-0.81	-0.27
15,176.00	86.05	177.78	11,264.90	-3,906.87	-1,244.97	4,021.95	2.31	-1.57	-1.69
15,271.00	87.97	177.95	11,269.85	-4,001.67	-1,241.44	4,115.76	2.03	2.02	0.18
15,365.00	90.01	178.42	11,271.51	-4,095.60	-1,238.46	4,208.76	2.23	2.17	0.50
15,459.00	89.75	177.74	11,271.71	-4,189.55	-1,235.31	4,301.76	0.77	-0.28	-0.72
15,553.00	90.93	179.11	11,271.15	-4,283.51	-1,232.73	4,394.84	1.92	1.26	1.46
15,648.00	89.62	178.43	11,270.69	-4,378.48	-1,230.69	4,488.98	1.55	-1.38	-0.72
15,742.00	90.33	178.16	11,270.74	-4,472.44	-1,227.89	4,582.03	0.81	0.76	-0.29
15,837.00	91.81	178.08	11,268.96	-4,567.37	-1,224.78	4,676.01	1.56	1.56	-0.08
15,931.00	93.55	179.53	11,264.57	-4,661.24	-1,222.82	4,769.07	2.41	1.85	1.54
16,026.00	92.84	180.43	11,259.27	-4,756.09	-1,222.79	4,863.31	1.21	-0.75	0.95
16,120.00	92.60	179.28	11,254.81	-4,849.98	-1,222.55	4,956.59	1.25	-0.26	-1.22
16,215.00	91.81	181.56	11,251.16	-4,944.90	-1,223.25	5,050.98	2.54	-0.83	2.40
16,309.00	90.53	183.69	11,249.24	-5,038.78	-1,227.55	5,144.75	2.64	-1.36	2.27
16,403.00	89.18	182.42	11,249.47	-5,132.64	-1,232.56	5,238.58	1.97	-1.44	-1.35
16,498.00	87.29	181.36	11,252.40	-5,227.54	-1,235.69	5,333.23	2.28	-1.99	-1.12
16,592.00	87.87	181.69	11,256.37	-5,321.42	-1,238.19	5,426.80	0.71	0.62	0.35
16,687.00	87.99	180.49	11,259.80	-5,416.34	-1,240.00	5,521.32	1.27	0.13	-1.26
16,781.00	87.33	180.09	11,263.64	-5,510.26	-1,240.47	5,614.70	0.82	-0.70	-0.43
16,865.70	87.82	180.73	11,267.22	-5,594.88	-1,241.08	5,698.85	0.95	0.58	0.76
LPP2: 16865.70' MD, 11267.22' TVD									
16,876.00	87.88	180.81	11,267.61	-5,605.17	-1,241.22	5,709.09	0.95	0.58	0.76
16,971.00	86.80	179.56	11,272.02	-5,700.06	-1,241.52	5,803.42	1.74	-1.14	-1.32
17,065.00	88.71	180.14	11,275.70	-5,793.99	-1,241.28	5,896.72	2.12	2.03	0.62

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)
17,159.00	88.41	180.74	11,278.06	-5,887.95	-1,242.00	5,990.18	0.71	-0.32	0.64
17,254.00	88.50	180.50	11,280.62	-5,982.91	-1,243.03	6,084.65	0.27	0.09	-0.25
17,349.00	87.13	178.73	11,284.25	-6,077.84	-1,242.39	6,178.90	2.35	-1.44	-1.86
17,443.00	86.26	177.85	11,289.66	-6,171.64	-1,239.59	6,271.80	1.32	-0.93	-0.94
17,537.00	88.44	179.54	11,294.01	-6,265.50	-1,237.45	6,364.83	2.93	2.32	1.80
17,632.00	89.38	179.62	11,295.82	-6,360.48	-1,236.76	6,459.13	0.99	0.99	0.08
17,727.00	88.76	179.03	11,297.36	-6,455.46	-1,235.64	6,553.38	0.90	-0.65	-0.62
17,821.00	89.04	179.26	11,299.16	-6,549.43	-1,234.24	6,646.60	0.39	0.30	0.24
17,916.00	90.72	180.75	11,299.36	-6,644.43	-1,234.24	6,741.00	2.36	1.77	1.57
18,010.00	89.16	181.31	11,299.46	-6,738.41	-1,235.93	6,834.57	1.76	-1.66	0.60
18,105.00	89.78	180.76	11,300.34	-6,833.39	-1,237.65	6,929.15	0.87	0.65	-0.58
18,199.00	89.05	179.66	11,301.30	-6,927.38	-1,237.99	7,022.58	1.40	-0.78	-1.17
18,294.00	90.64	179.67	11,301.56	-7,022.38	-1,237.44	7,116.91	1.67	1.67	0.01
18,388.00	90.39	179.96	11,300.71	-7,116.37	-1,237.14	7,210.28	0.41	-0.27	0.31
18,482.00	90.12	179.33	11,300.29	-7,210.37	-1,236.55	7,303.62	0.73	-0.29	-0.67
18,577.00	90.95	179.32	11,299.41	-7,305.36	-1,235.43	7,397.88	0.87	0.87	-0.01
18,671.00	91.58	179.32	11,297.33	-7,399.33	-1,234.32	7,491.13	0.67	0.67	0.00
18,766.00	91.26	178.78	11,294.98	-7,494.28	-1,232.74	7,585.31	0.66	-0.34	-0.57
18,860.00	91.49	177.78	11,292.72	-7,588.21	-1,229.92	7,678.33	1.09	0.24	-1.06
18,954.00	91.15	179.21	11,290.56	-7,682.15	-1,227.46	7,771.40	1.56	-0.36	1.52
19,049.00	91.72	179.55	11,288.18	-7,777.12	-1,226.43	7,865.65	0.70	0.60	0.36
19,143.00	92.63	179.48	11,284.61	-7,871.05	-1,225.63	7,958.89	0.97	0.97	-0.07
19,238.00	91.73	182.05	11,281.00	-7,965.96	-1,226.90	8,053.35	2.86	-0.95	2.71
19,332.00	91.39	181.51	11,278.44	-8,059.88	-1,229.82	8,147.00	0.68	-0.36	-0.57
19,427.00	88.37	180.87	11,278.64	-8,154.85	-1,231.79	8,241.59	3.25	-3.18	-0.67
19,521.00	88.78	180.88	11,280.97	-8,248.81	-1,233.23	8,335.11	0.44	0.44	0.01
19,615.00	88.27	180.57	11,283.39	-8,342.77	-1,234.42	8,428.61	0.63	-0.54	-0.33
19,710.00	87.71	179.54	11,286.72	-8,437.71	-1,234.51	8,522.96	1.23	-0.59	-1.08
19,804.00	86.74	178.82	11,291.28	-8,531.59	-1,233.16	8,616.10	1.28	-1.03	-0.77
19,899.00	86.51	178.46	11,296.87	-8,626.39	-1,230.91	8,710.05	0.45	-0.24	-0.38
19,993.00	88.41	181.11	11,301.03	-8,720.29	-1,230.56	8,803.32	3.47	2.02	2.82
20,088.00	87.70	180.64	11,304.26	-8,815.22	-1,232.01	8,897.81	0.90	-0.75	-0.49
20,182.00	87.17	179.83	11,308.47	-8,909.13	-1,232.40	8,991.16	1.03	-0.56	-0.86
20,277.00	88.48	179.39	11,312.07	-9,004.05	-1,231.75	9,085.42	1.45	1.38	-0.46
20,371.00	90.12	179.26	11,313.22	-9,098.04	-1,230.64	9,178.68	1.75	1.74	-0.14
20,465.00	87.91	177.61	11,314.84	-9,191.98	-1,228.08	9,271.74	2.93	-2.35	-1.76
20,560.00	89.27	178.97	11,317.17	-9,286.90	-1,225.24	9,365.75	2.02	1.43	1.43
20,654.00	88.76	179.56	11,318.79	-9,380.88	-1,224.04	9,459.00	0.83	-0.54	0.63
20,748.00	91.36	180.97	11,318.69	-9,474.87	-1,224.47	9,552.44	3.15	2.77	1.50
20,842.00	91.44	180.93	11,316.39	-9,568.83	-1,226.03	9,645.98	0.10	0.09	-0.04
20,936.00	92.63	181.35	11,313.06	-9,662.75	-1,227.90	9,739.52	1.34	1.27	0.45
21,031.00	92.77	180.93	11,308.58	-9,757.62	-1,229.79	9,834.00	0.47	0.15	-0.44
21,125.00	93.11	181.01	11,303.76	-9,851.49	-1,231.38	9,927.45	0.37	0.36	0.09

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Moran 9 Fed Com 172H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3788.30usft (H&P 510)
Site:	Moran	MD Reference:	RKB @ 3788.30usft (H&P 510)
Well:	Moran 9 Fed Com 172H	North Reference:	Grid
Wellbore:	OH / 74806	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 510)	Database:	USAEDMDB

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)	
21,219.00	90.99	181.71	11,300.40	-9,945.39	-1,233.61	10,021.01	2.37	-2.26	0.74	
21,314.00	90.99	180.79	11,298.76	-10,040.36	-1,235.68	10,115.61	0.97	0.00	-0.97	
21,408.00	90.35	179.41	11,297.66	-10,134.35	-1,235.84	10,209.02	1.62	-0.68	-1.47	
21,502.00	90.18	178.28	11,297.22	-10,228.32	-1,233.95	10,302.19	1.22	-0.18	-1.20	
21,597.00	89.84	176.86	11,297.21	-10,323.24	-1,229.92	10,396.05	1.54	-0.36	-1.49	
21,692.00	89.81	176.26	11,297.50	-10,418.06	-1,224.22	10,489.64	0.63	-0.03	-0.63	
21,786.00	89.92	175.82	11,297.72	-10,511.84	-1,217.73	10,582.10	0.48	0.12	-0.47	
21,880.00	89.44	174.81	11,298.24	-10,605.52	-1,210.05	10,674.32	1.19	-0.51	-1.07	
21,975.00	87.77	173.82	11,300.55	-10,700.02	-1,200.64	10,767.17	2.04	-1.76	-1.04	
22,013.00	88.93	173.96	11,301.65	-10,737.79	-1,196.60	10,804.25	3.07	3.05	0.37	
Final Phoenix MWD Survey										
22,050.11	88.93	173.96	11,302.34	-10,774.69	-1,192.70	10,840.47	0.00	0.00	0.00	
LTP: 22050.11' MD, 11302.34' TVD										
22,070.00	88.93	173.96	11,302.71	-10,794.46	-1,190.61	10,859.89	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
181.00	181.00	-0.73	-0.30	First Phoenix MWD Survey	
11,675.68	11,263.66	-410.36	-1,198.19	FTP: 11675.68' MD, 11263.66' TVD	
14,210.23	11,245.07	-2,941.83	-1,265.42	LPP1: 14210.23' MD, 11245.07' TVD	
16,865.70	11,267.22	-5,594.88	-1,241.08	LPP2: 16865.70' MD, 11267.22' TVD	
22,013.00	11,301.65	-10,737.79	-1,196.60	Final Phoenix MWD Survey	
22,050.11	11,302.34	-10,774.69	-1,192.70	LTP: 22050.11' MD, 11302.34' TVD	
22,070.00	11,302.71	-10,794.46	-1,190.61	Projection to TD	

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-105 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☐ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: Permian Resources Operating, LLC	OGRID: 372165
Property Name and Well Number: Moran 9 Fed Com 172H	Property Code: 335722
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-025-52801
Pool Name: Bilbrey Basin; Bone Spring	Pool Code: 5695

Section 2 – Well Location

	Ul or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	O	9	21S	32E		300	South	1369	East	Lea
BHL	O	21	21S	32E		80	South	2621	East	Lea

Section 3 – Completion Information

Date T.D. Reached 7/8/24	Total Measured Depth of Well 22,070	Acid Volume (bbls) N/A	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 7/11/24	Plug-Back Measured Depth 22,016	Completion Fluid Used (bbls) 515,462	Were Logs Ran (Y/N) Yes
Completion Date 9/17/24	Perforations (MD and TVD) 11,710 - 22,012 MD 11,203 - 11,300 TVD	Completion Proppant Used (lbs) 23,627,577	List Type of Logs Ran if applicable: Gamma Ray

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 357765	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 357719	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID:	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 365432	Cement Squeeze Action ID (if applicable):
Tubing Action ID: N/A	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID:	Casing was installed prior to Action ID system (Y/N): No

Section 5 – Test Data

Date First Production 9/17/24	Production Method Flowing	Well Status Producing	Gas – Oil Ratio 1831
Date of Test 10/6/24	Choke Size .563	Flowing Tubing Pressure	Casing Pressure 1980
24 hr Oil (bbls) 1425	24 hr Gas (MCF) 2610	24 hr Water (bbls) 6558	Oil Gravity - API 44.1
Disposition of Gas: Sold			

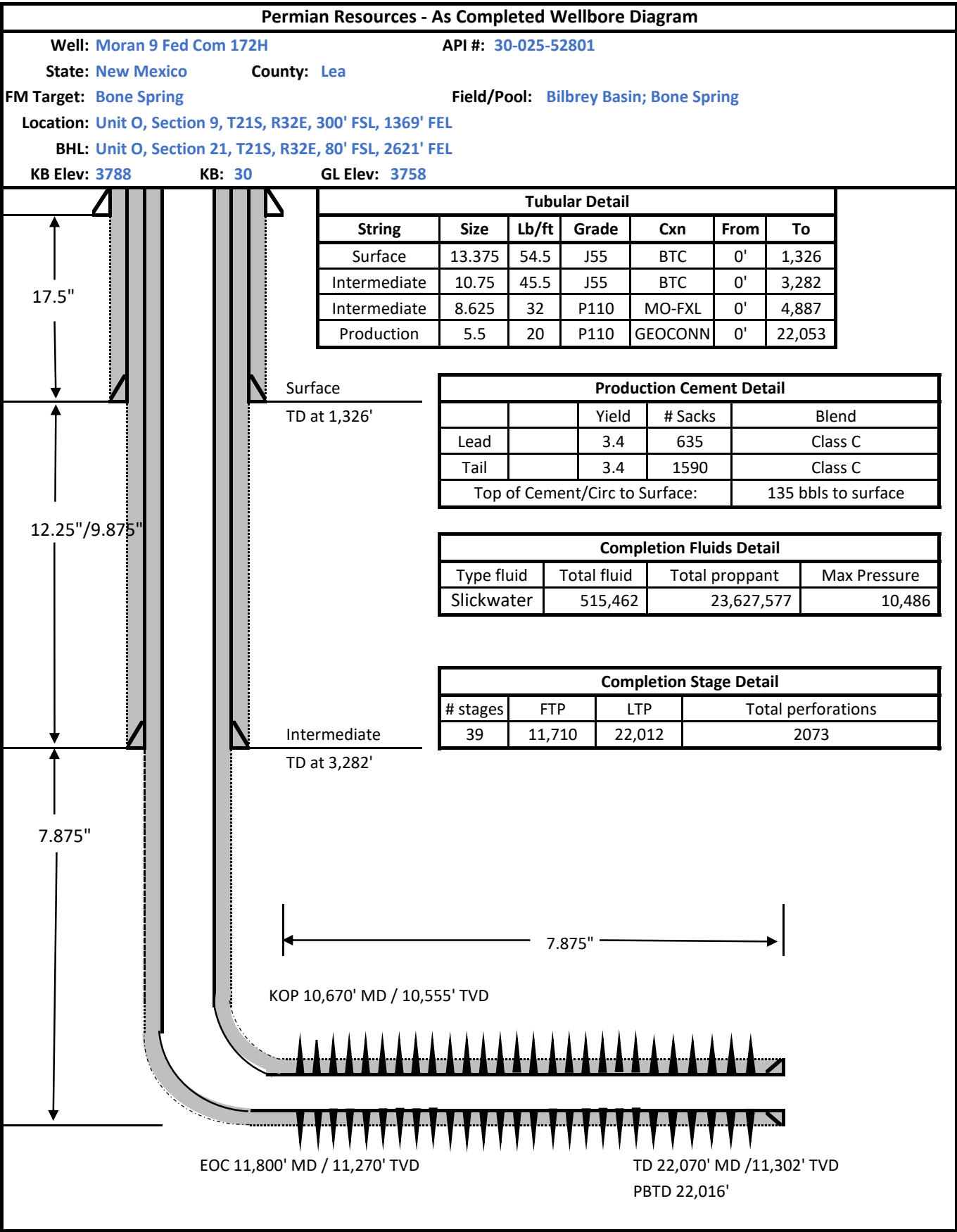
Section 6 – Pits

☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the rules of the Oil Cnservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Kania Schlichting	Ph: 432-400-0185
Title Regulatory Specialist	Date 10/28/24

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
Rustler	1263	1263		T. San Jose			
Lamar	5102	5041		T. Nacimiento			
Bell Canyon	5270	5205		T. Ojo Alamo			
Cherry Canyon	5639	5564		T. Kirtland			
Brushy Canyon	6896	6795		T. Fruitland			
Bone Spring Lime	6896	8694		T. Pictured Cliffs			
1st Bone Spring	9810	9695		T. Lewis Shale			
2nd Bone Spring	10138	10024		T. Chacra			
3rd Bone Spring	11448	11184		T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				T. Point Lookout			
T. Blinebry				T. Mancos			
T.Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
T. Cherry Canyon							
T. Brushy Canyon							
T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							



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

ACKNOWLEDGMENTS

Action 396402

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 396402
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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CONDITIONS

Action 396402

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 396402
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	11/14/2025
plmartinez	Please submit Well Log (s) as documented on the C-105 and submit as [UF-WL] EP Well Log Submission.	11/14/2025