

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: Butters Stotch 8 State Com 124H	Property Code: 334831
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 25-52485
Pool Name: WC-025 G-07 S223505N; Bone Spring	Pool Code: 98136

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	8	22S	35E		2452 South	1157 East	32.405739	-103.384840	Lea

Section 3 – Completion Information

Producing Method ESP	Ready Date 8/4/24	Perforations MD 10,439 - 17,755	Perforations TVD 10,208 - 10,419
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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. 204947
Surface Casing Action ID: 343776	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 343779	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-23028
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 348924	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): Yes	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 Kanicia Schlichting 	Phone: 432-400-0185
Title Regulatory Specialist	Date 9/19/24

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-Completed		

WELL LOCATION INFORMATION

API Number 30-025-52485	Pool Code 98136	Pool Name WC-025 G-07 S223505N; BONE SPRING
Property Code 334831	Property Name BUTTERS STOTCH 8 STATE COM	Well Number 124H
OGRID No. 372165	Operator Name PERMIAN RESOURCES OPERATING, LLC	Ground Level Elevation 3,569'
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
I	8	22 S	35 E		2,452' FSL	1,157' FEL	32.405739	-103.384840	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	17	22 S	35 E		101' FSL	983' FEL	32.384770	-103.384278	LEA

Dedicated Acres 240	Infill or Defining Well DEFINING WELL	Defining Well API 30-025-52485	Overlapping Spacing Unit (Y/N) NO	Consolidation Code C
Order Numbers. R-23025 204947			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
I	8	22 S	35 E		2,619' FSL	970' FEL	32.406201	-103.384237	LEA

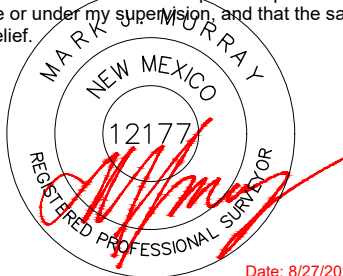
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	8	22 S	35 E		2,187' FSL	1,003' FEL	32.405012	-103.384340	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	17	22 S	35 E		157' FSL	985' FEL	32.384924	-103.384286	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3599
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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.		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.	
Signature Kanicia Schlichting		Signature and Seal of Professional Surveyor 	
Date 9/19/24		Date: 8/27/2024	
Printed Name kanicia.schlichting@permianres.com		Certificate Number 12177	Date of Survey 8/27/2024
Email Address			

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

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.

SURFACE HOLE LOCATION
2,452' FSL & 1,157' FEL
ELEV. = 3,569'
NAD 83 X = 834,062.65'
NAD 83 Y = 512,637.76'
NAD 83 LAT = 32.405739°
NAD 83 LONG = -103.384840°

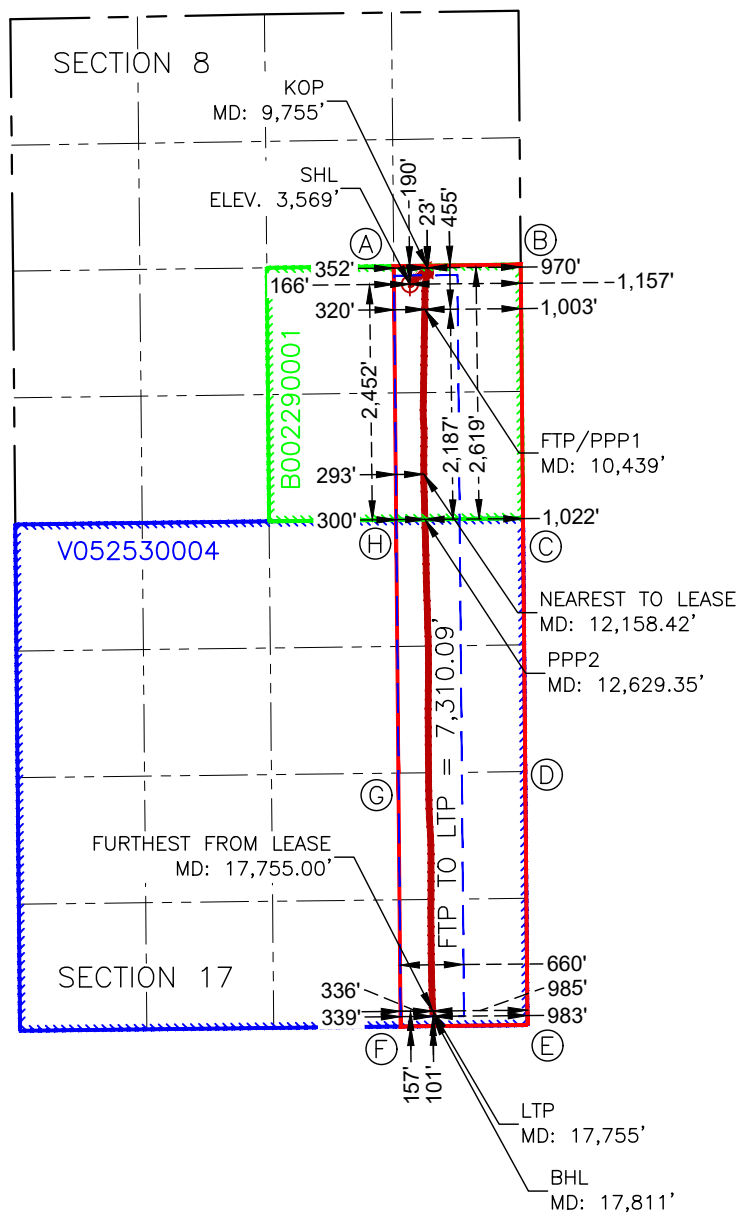
KICK-OFF POINT
2,619' FSL & 970' FEL
MD = 9,755.00'
NAD 83 X = 834,247.45'
NAD 83 Y = 512,807.33'
NAD 83 LAT = 32.406201°
NAD 83 LONG = -103.384237°

FIRST TAKE POINT
2,187' FSL & 1,003' FEL
MD = 10,439.00'
NAD 83 X = 834,219.24'
NAD 83 Y = 512,374.62'
NAD 83 LAT = 32.405012°
NAD 83 LONG = -103.384340°

PENETRATION POINT 2
0' FNL & 1,022' FEL
MD = 12,629.35'
NAD 83 X = 834,219.24'
NAD 83 Y = 510,187.43'
NAD 83 LAT = 32.399001°
NAD 83 LONG = -103.384403°

LAST TAKE POINT
157' FSL & 985' FEL
MD = 17,755.00'
NAD 83 X = 834,301.02'
NAD 83 Y = 505,066.50'
NAD 83 LAT = 32.384924°
NAD 83 LONG = -103.384286°

BOTTOM HOLE LOCATION
101' FSL & 983' FEL
MD = 17,811.00'
NAD 83 X = 834,304.00'
NAD 83 Y = 505,010.60'
NAD 83 LAT = 32.384770°
NAD 83 LONG = -103.384278°



HSU CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	CALCULATED CORNER N:512,825.60' E:833,895.21'
B	CALCULATED CORNER N:512,842.82' E:835,217.64'
C	FOUND 2" IRON PIPE N:510,200.16' E:835,241.00'
D	CALCULATED CORNER N:507,560.26' E:835,264.25'
E	FOUND 2" IRON PIPE N:504,920.36' E:835,287.50'
F	CALCULATED CORNER N:504,905.49' E:833,966.30'
G	CALCULATED CORNER N:507,544.59' E:833,942.65'
H	CALCULATED CORNER N:510,183.70' E:833,918.99'

PERMIAN

RESOURCES

Permian Resources

Lea County, NM (NAD83 NME)

Butters Stotch 8

Butters Stotch 8 State Com 124H

OH / 74634

Design: Surveys (H&P 510)

Standard Survey Report

31 May, 2024



PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Butters Stotch 8 State Com 124H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3599.00usft (H&P 510)
Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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	Butters Stotch 8		
Site Position:		Northing:	512,637.33 usft
From:	Map	Easting:	834,029.65 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 24' 20.659536 N
		Longitude:	103° 23' 5.809668 W

Well	Butters Stotch 8 State Com 124H		
Well Position	+N/-S	0.00 usft	Northing: 512,637.76 usft
	+E/-W	0.00 usft	Easting: 834,062.65 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.508 °	Ground Level:	3,569.00 usft

Wellbore	OH / 74634				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	6/18/2024	6.255	60.007	47,511.43270883

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	178.24	

Survey Program	Date	5/31/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
181.00	17,811.00	Phoenix MWD Surveys (OH / 74634)	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	0.12	61.46	181.00	0.09	0.17	-0.09	0.07	0.07	0.00	
First Phoenix MWD Survey										
268.00	0.58	113.35	268.00	-0.04	0.65	0.06	0.59	0.53	59.64	
355.00	0.42	118.12	354.99	-0.37	1.34	0.41	0.19	-0.18	5.48	
442.00	0.58	82.64	441.99	-0.46	2.05	0.52	0.39	0.18	-40.78	
527.00	0.45	83.42	526.99	-0.37	2.81	0.45	0.15	-0.15	0.92	
620.00	0.52	116.38	619.99	-0.51	3.55	0.62	0.30	0.08	35.44	
709.00	0.31	104.06	708.98	-0.75	4.15	0.88	0.26	-0.24	-13.84	
798.00	0.58	111.82	797.98	-0.98	4.80	1.12	0.31	0.30	8.72	

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



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Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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)
887.00	0.43	149.35	886.98	-1.43	5.39	1.59	0.40	-0.17	42.17
976.00	0.60	131.02	975.97	-2.02	5.91	2.20	0.26	0.19	-20.60
1,065.00	0.55	104.14	1,064.97	-2.43	6.68	2.64	0.31	-0.06	-30.20
1,154.00	0.54	74.36	1,153.96	-2.42	7.49	2.65	0.31	-0.01	-33.46
1,242.00	0.53	80.98	1,241.96	-2.25	8.30	2.50	0.07	-0.01	7.52
1,331.00	0.44	84.13	1,330.96	-2.15	9.04	2.43	0.11	-0.10	3.54
1,419.00	0.56	32.22	1,418.95	-1.75	9.61	2.05	0.51	0.14	-58.99
1,513.00	0.39	23.85	1,512.95	-1.07	9.98	1.38	0.19	-0.18	-8.90
1,608.00	0.28	28.04	1,607.95	-0.57	10.22	0.88	0.12	-0.12	4.41
1,702.00	0.27	70.54	1,701.95	-0.29	10.54	0.62	0.21	-0.01	45.21
1,756.00	0.43	50.07	1,755.95	-0.12	10.81	0.45	0.37	0.30	-37.91
1,893.00	0.54	16.14	1,892.94	0.83	11.39	-0.48	0.22	0.08	-24.77
2,082.00	1.04	37.98	2,081.93	3.04	12.69	-2.65	0.30	0.26	11.56
2,176.00	2.67	32.65	2,175.87	5.55	14.40	-5.11	1.74	1.73	-5.67
2,270.00	2.98	29.35	2,269.76	9.53	16.78	-9.01	0.37	0.33	-3.51
2,365.00	4.04	36.42	2,364.58	14.37	19.97	-13.75	1.20	1.12	7.44
2,459.00	4.14	37.16	2,458.34	19.74	23.99	-19.00	0.12	0.11	0.79
2,554.00	5.54	36.00	2,553.00	26.18	28.76	-25.29	1.48	1.47	-1.22
2,648.00	6.90	42.27	2,646.44	34.03	35.22	-32.94	1.62	1.45	6.67
2,743.00	8.33	47.91	2,740.61	42.87	44.17	-41.49	1.70	1.51	5.94
2,837.00	10.40	52.46	2,833.35	52.60	55.95	-50.86	2.34	2.20	4.84
2,931.00	10.35	52.76	2,925.81	62.88	69.40	-60.73	0.08	-0.05	0.32
3,025.00	10.35	52.20	3,018.28	73.17	82.79	-70.60	0.11	0.00	-0.60
3,120.00	10.34	53.07	3,111.74	83.52	96.35	-80.53	0.16	-0.01	0.92
3,214.00	10.92	52.47	3,204.12	94.02	110.16	-90.59	0.63	0.62	-0.64
3,309.00	9.51	51.04	3,297.62	104.43	123.40	-100.60	1.51	-1.48	-1.51
3,403.00	9.04	54.99	3,390.39	113.55	135.48	-109.34	0.84	-0.50	4.20
3,497.00	8.19	63.25	3,483.33	120.80	147.51	-116.22	1.59	-0.90	8.79
3,592.00	6.65	68.20	3,577.53	125.89	158.66	-120.97	1.75	-1.62	5.21
3,686.00	7.03	68.80	3,670.86	129.99	169.08	-124.75	0.41	0.40	0.64
3,780.00	4.83	72.85	3,764.36	133.24	178.22	-127.71	2.38	-2.34	4.31
3,875.00	3.43	76.01	3,859.11	135.11	184.80	-129.38	1.49	-1.47	3.33
3,969.00	3.34	76.67	3,952.94	136.42	190.20	-130.52	0.10	-0.10	0.70
4,063.00	1.20	95.01	4,046.86	136.96	193.84	-130.95	2.38	-2.28	19.51
4,158.00	1.05	97.94	4,141.85	136.76	195.69	-130.69	0.17	-0.16	3.08
4,252.00	1.04	100.01	4,235.83	136.49	197.39	-130.37	0.04	-0.01	2.20
4,346.00	1.18	112.29	4,329.81	135.97	199.12	-129.80	0.29	0.15	13.06
4,441.00	1.20	102.64	4,424.79	135.38	201.00	-129.16	0.21	0.02	-10.16
4,535.00	1.30	108.81	4,518.77	134.83	202.97	-128.54	0.18	0.11	6.56
4,629.00	1.44	93.08	4,612.74	134.42	205.16	-128.06	0.43	0.15	-16.73
4,724.00	1.66	99.00	4,707.71	134.14	207.71	-127.71	0.29	0.23	6.23
4,818.00	1.53	107.85	4,801.67	133.54	210.25	-127.03	0.30	-0.14	9.41
4,913.00	1.15	142.87	4,896.65	132.39	212.03	-125.83	0.93	-0.40	36.86

PERMIAN

RESOURCES

Phoenix Technology Services

Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Butters Stotch 8 State Com 124H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3599.00usft (H&P 510)
Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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)
5,008.00	1.56	182.08	4,991.62	130.34	212.56	-123.76	1.04	0.43	41.27
5,102.00	1.89	187.21	5,085.58	127.52	212.32	-120.95	0.39	0.35	5.46
5,197.00	1.92	178.66	5,180.53	124.38	212.16	-117.81	0.30	0.03	-9.00
5,291.00	2.10	184.14	5,274.47	121.09	212.07	-114.53	0.28	0.19	5.83
5,385.00	1.96	182.69	5,368.41	117.76	211.87	-111.21	0.16	-0.15	-1.54
5,480.00	1.95	177.85	5,463.36	114.52	211.86	-107.97	0.17	-0.01	-5.09
5,574.00	1.80	183.90	5,557.31	111.45	211.81	-104.91	0.26	-0.16	6.44
5,669.00	1.77	180.02	5,652.26	108.50	211.71	-101.95	0.13	-0.03	-4.08
5,763.00	1.94	179.75	5,746.21	105.46	211.72	-98.91	0.18	0.18	-0.29
5,858.00	0.81	198.19	5,841.18	103.21	211.52	-96.67	1.26	-1.19	19.41
5,952.00	1.94	315.34	5,935.16	103.71	210.19	-97.22	2.57	1.20	124.63
6,047.00	2.02	317.57	6,030.11	106.09	207.93	-99.66	0.12	0.08	2.35
6,141.00	1.98	316.18	6,124.05	108.48	205.69	-102.13	0.07	-0.04	-1.48
6,236.00	1.91	321.21	6,219.00	110.90	203.56	-104.61	0.19	-0.07	5.29
6,330.00	1.92	322.24	6,312.94	113.37	201.62	-107.13	0.04	0.01	1.10
6,424.00	1.97	322.56	6,406.89	115.90	199.67	-109.72	0.05	0.05	0.34
6,519.00	2.03	322.20	6,501.83	118.52	197.64	-112.41	0.06	0.06	-0.38
6,613.00	2.05	321.93	6,595.77	121.16	195.59	-115.11	0.02	0.02	-0.29
6,707.00	1.91	313.54	6,689.72	123.56	193.42	-117.57	0.34	-0.15	-8.93
6,897.00	1.58	308.36	6,879.63	127.37	189.07	-121.51	0.19	-0.17	-2.73
6,991.00	1.41	306.86	6,973.60	128.87	187.12	-123.07	0.19	-0.18	-1.60
7,085.00	1.55	309.71	7,067.56	130.37	185.22	-124.63	0.17	0.15	3.03
7,180.00	1.63	313.49	7,162.53	132.12	183.25	-126.44	0.14	0.08	3.98
7,274.00	1.57	329.63	7,256.49	134.16	181.63	-128.52	0.48	-0.06	17.17
7,368.00	1.56	334.59	7,350.46	136.42	180.43	-130.83	0.14	-0.01	5.28
7,462.00	1.71	340.68	7,444.42	138.90	179.42	-133.33	0.24	0.16	6.48
7,557.00	1.80	337.01	7,539.37	141.61	178.37	-136.08	0.15	0.09	-3.86
7,651.00	1.95	344.38	7,633.32	144.51	177.36	-139.01	0.30	0.16	7.84
7,746.00	1.72	349.39	7,728.27	147.47	176.66	-141.98	0.29	-0.24	5.27
7,840.00	1.67	352.06	7,822.23	150.21	176.21	-144.74	0.10	-0.05	2.84
7,935.00	1.58	359.19	7,917.20	152.89	176.00	-147.43	0.23	-0.09	7.51
8,029.00	1.48	13.56	8,011.16	155.37	176.27	-149.89	0.42	-0.11	15.29
8,124.00	1.24	18.17	8,106.14	157.54	176.88	-152.04	0.28	-0.25	4.85
8,218.00	1.40	18.89	8,200.11	159.59	177.57	-154.07	0.17	0.17	0.77
8,313.00	1.29	33.49	8,295.08	161.58	178.53	-156.03	0.38	-0.12	15.37
8,407.00	0.54	57.08	8,389.07	162.71	179.49	-157.12	0.88	-0.80	25.10
8,502.00	0.96	199.58	8,484.07	162.20	179.60	-156.62	1.50	0.44	150.00
8,691.00	0.96	190.64	8,673.04	159.15	178.77	-153.59	0.08	0.00	-4.73
8,786.00	0.30	74.20	8,768.04	158.44	178.87	-152.88	1.19	-0.69	-122.57
8,880.00	0.76	44.28	8,862.03	158.95	179.54	-153.37	0.56	0.49	-31.83
9,069.00	0.18	58.63	9,051.03	160.00	180.67	-154.39	0.31	-0.31	7.59
9,163.00	0.49	68.25	9,145.02	160.23	181.17	-154.60	0.33	0.33	10.23
9,351.00	1.24	22.45	9,333.00	162.41	182.69	-156.73	0.51	0.40	-24.36

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Butters Stotch 8 State Com 124H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3599.00usft (H&P 510)
Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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)
9,445.00	1.27	9.69	9,426.98	164.37	183.25	-158.68	0.30	0.03	-13.57
9,540.00	1.37	11.61	9,521.96	166.52	183.66	-160.81	0.12	0.11	2.02
9,634.00	1.13	12.10	9,615.93	168.53	184.08	-162.81	0.26	-0.26	0.52
9,669.00	1.20	13.44	9,650.93	169.22	184.24	-163.49	0.21	0.20	3.83
9,763.00	0.85	145.58	9,744.92	169.61	184.86	-163.86	2.00	-0.37	140.57
9,858.00	15.38	185.15	9,838.73	156.40	184.12	-150.68	15.51	15.29	41.65
9,952.00	28.88	188.17	9,925.61	121.36	179.76	-115.79	14.41	14.36	3.21
10,007.20	35.47	188.50	9,972.30	92.29	175.49	-86.87	11.94	11.94	0.60
FTP: 10007.20' MD, 9972.30' TVD									
10,046.00	40.10	188.68	10,002.96	68.79	171.94	-63.49	11.94	11.94	0.45
10,141.00	49.17	188.39	10,070.49	2.85	162.06	2.12	9.55	9.55	-0.31
10,235.00	59.47	180.80	10,125.30	-73.09	156.28	77.85	12.76	10.96	-8.07
10,330.00	67.74	178.56	10,167.50	-158.10	156.82	162.84	8.96	8.71	-2.36
10,424.00	80.12	181.19	10,193.47	-248.24	156.95	252.94	13.44	13.17	2.80
10,548.00	86.93	181.48	10,207.45	-371.35	154.08	375.90	5.50	5.49	0.23
10,642.00	86.83	181.20	10,212.56	-465.18	151.88	469.62	0.32	-0.11	-0.30
10,737.00	86.36	180.73	10,218.21	-560.00	150.28	564.34	0.70	-0.49	-0.49
10,831.00	86.00	180.54	10,224.47	-653.78	149.25	658.05	0.43	-0.38	-0.20
10,926.00	85.85	180.69	10,231.22	-748.54	148.23	752.73	0.22	-0.16	0.16
11,020.00	87.96	181.21	10,236.29	-842.38	146.67	846.48	2.31	2.24	0.55
11,114.00	87.76	180.92	10,239.80	-936.30	144.93	940.30	0.37	-0.21	-0.31
11,209.00	87.63	181.34	10,243.62	-1,031.21	143.05	1,035.11	0.46	-0.14	0.44
11,303.00	87.14	181.16	10,247.91	-1,125.08	141.01	1,128.88	0.56	-0.52	-0.19
11,397.00	89.25	180.12	10,250.87	-1,219.03	139.96	1,222.74	2.50	2.24	-1.11
11,492.00	89.14	180.84	10,252.21	-1,314.01	139.16	1,317.66	0.77	-0.12	0.76
11,586.00	88.67	177.96	10,254.01	-1,407.98	140.14	1,411.62	3.10	-0.50	-3.06
11,680.00	87.99	174.86	10,256.75	-1,501.74	146.03	1,505.52	3.37	-0.72	-3.30
11,775.00	88.56	181.40	10,259.61	-1,596.60	149.12	1,600.42	6.91	0.60	6.88
11,870.00	88.74	182.12	10,261.85	-1,691.53	146.21	1,695.21	0.78	0.19	0.76
11,964.00	87.94	179.78	10,264.57	-1,785.47	144.65	1,789.06	2.63	-0.85	-2.49
12,059.00	87.36	179.87	10,268.47	-1,880.39	144.94	1,883.95	0.62	-0.61	0.09
12,153.00	87.02	180.19	10,273.07	-1,974.27	144.89	1,977.79	0.50	-0.36	0.34
12,247.00	88.51	178.58	10,276.74	-2,068.19	145.90	2,071.69	2.33	1.59	-1.71
12,341.00	89.96	178.41	10,277.99	-2,162.15	148.37	2,165.68	1.55	1.54	-0.18
12,435.00	89.56	178.33	10,278.39	-2,256.11	151.04	2,259.68	0.43	-0.43	-0.09
12,530.00	88.85	178.44	10,279.71	-2,351.06	153.72	2,354.67	0.76	-0.75	0.12
12,624.00	87.73	178.23	10,282.51	-2,444.98	156.45	2,448.62	1.21	-1.19	-0.22
12,629.36	87.70	178.24	10,282.73	-2,450.33	156.61	2,453.98	0.58	-0.54	0.19
PP2: 12629.36' MD, 10282.73' TVD									
12,718.00	87.22	178.41	10,286.65	-2,538.84	159.20	2,542.53	0.58	-0.54	0.19
12,812.00	86.54	178.47	10,291.77	-2,632.67	161.76	2,636.39	0.73	-0.72	0.06
12,907.00	85.99	178.62	10,297.96	-2,727.44	164.16	2,731.19	0.60	-0.58	0.16
13,001.00	87.76	178.86	10,303.08	-2,821.27	166.23	2,825.04	1.90	1.88	0.26
13,096.00	88.82	178.85	10,305.92	-2,916.21	168.12	2,919.99	1.12	1.12	-0.01

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Butters Stotch 8 State Com 124H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3599.00usft (H&P 510)
Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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)
13,191.00	88.01	178.58	10,308.54	-3,011.15	170.25	3,014.95	0.90	-0.85	-0.28
13,285.00	87.70	178.65	10,312.06	-3,105.05	172.52	3,108.88	0.34	-0.33	0.07
13,379.00	85.61	177.49	10,317.55	-3,198.83	175.68	3,202.72	2.54	-2.22	-1.23
13,474.00	86.94	178.36	10,323.72	-3,293.57	179.11	3,297.51	1.67	1.40	0.92
13,568.00	88.58	179.06	10,327.39	-3,387.47	181.23	3,391.43	1.90	1.74	0.74
13,663.00	88.37	178.58	10,329.92	-3,482.41	183.18	3,486.39	0.55	-0.22	-0.51
13,757.00	87.14	178.10	10,333.60	-3,576.30	185.91	3,580.32	1.40	-1.31	-0.51
13,852.00	86.51	177.75	10,338.86	-3,671.09	189.34	3,675.17	0.76	-0.66	-0.37
13,946.00	87.59	178.88	10,343.70	-3,764.92	192.10	3,769.04	1.66	1.15	1.20
14,040.00	87.51	179.98	10,347.72	-3,858.83	193.03	3,862.94	1.17	-0.09	1.17
14,135.00	86.97	179.60	10,352.30	-3,953.72	193.38	3,957.79	0.69	-0.57	-0.40
14,230.00	87.00	179.76	10,357.29	-4,048.59	193.91	4,052.63	0.17	0.03	0.17
14,324.00	90.32	181.11	10,359.49	-4,142.54	193.20	4,146.52	3.81	3.53	1.44
14,418.00	89.84	180.60	10,359.36	-4,236.53	191.79	4,240.42	0.75	-0.51	-0.54
14,513.00	88.76	180.31	10,360.52	-4,331.52	191.04	4,335.34	1.18	-1.14	-0.31
14,607.00	88.21	180.04	10,363.00	-4,425.49	190.75	4,429.26	0.65	-0.59	-0.29
14,701.00	87.88	179.72	10,366.21	-4,519.43	190.95	4,523.16	0.49	-0.35	-0.34
14,796.00	87.11	179.40	10,370.36	-4,614.34	191.68	4,618.05	0.88	-0.81	-0.34
14,890.00	89.42	180.06	10,373.21	-4,708.29	192.12	4,711.96	2.56	2.46	0.70
14,984.00	91.78	179.88	10,372.23	-4,802.28	192.17	4,805.91	2.52	2.51	-0.19
15,079.00	91.36	179.24	10,369.62	-4,897.24	192.90	4,900.85	0.81	-0.44	-0.67
15,173.00	91.41	179.43	10,367.35	-4,991.20	193.99	4,994.80	0.21	0.05	0.20
15,268.00	91.27	179.58	10,365.13	-5,086.17	194.81	5,089.75	0.22	-0.15	0.16
15,363.00	91.27	179.30	10,363.02	-5,181.14	195.74	5,184.71	0.29	0.00	-0.29
15,457.00	89.95	179.41	10,362.02	-5,275.13	196.80	5,278.69	1.41	-1.40	0.12
15,552.00	89.75	179.02	10,362.27	-5,370.12	198.10	5,373.67	0.46	-0.21	-0.41
15,646.00	88.91	178.21	10,363.37	-5,464.09	200.37	5,467.66	1.24	-0.89	-0.86
15,741.00	89.14	177.62	10,364.99	-5,559.01	203.83	5,562.65	0.67	0.24	-0.62
15,835.00	87.37	175.74	10,367.85	-5,652.80	209.27	5,656.56	2.75	-1.88	-2.00
15,930.00	87.71	177.33	10,371.93	-5,747.54	215.00	5,751.43	1.71	0.36	1.67
16,024.00	87.74	177.72	10,375.66	-5,841.37	219.06	5,845.34	0.42	0.03	0.41
16,118.00	87.77	180.19	10,379.34	-5,935.28	220.77	5,939.26	2.63	0.03	2.63
16,213.00	87.20	179.72	10,383.51	-6,030.19	220.85	6,034.12	0.78	-0.60	-0.49
16,308.00	88.59	180.34	10,387.00	-6,125.12	220.80	6,129.01	1.60	1.46	0.65
16,402.00	88.78	180.19	10,389.16	-6,219.09	220.36	6,222.93	0.26	0.20	-0.16
16,496.00	89.11	180.27	10,390.89	-6,313.08	219.98	6,316.85	0.36	0.35	0.09
16,590.00	89.42	180.31	10,392.09	-6,407.07	219.51	6,410.79	0.33	0.33	0.04
16,685.00	89.82	180.09	10,392.72	-6,502.06	219.18	6,505.73	0.48	0.42	-0.23
16,779.00	90.10	180.04	10,392.79	-6,596.06	219.07	6,599.68	0.30	0.30	-0.05
16,873.00	88.47	179.23	10,393.96	-6,690.05	219.67	6,693.64	1.94	-1.73	-0.86
16,968.00	89.19	179.56	10,395.90	-6,785.03	220.67	6,788.60	0.83	0.76	0.35
17,062.00	88.93	179.46	10,397.44	-6,879.01	221.47	6,882.57	0.30	-0.28	-0.11
17,157.00	86.97	179.67	10,400.84	-6,973.94	222.20	6,977.48	2.07	-2.06	0.22

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Butters Stotch 8 State Com 124H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3599.00usft (H&P 510)
Site:	Butters Stotch 8	MD Reference:	RKB @ 3599.00usft (H&P 510)
Well:	Butters Stotch 8 State Com 124H	North Reference:	Grid
Wellbore:	OH / 74634	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)
17,251.00	86.88	179.46	10,405.88	-7,067.80	222.91	7,071.31	0.24	-0.10	-0.22
17,345.00	87.47	178.71	10,410.52	-7,161.68	224.41	7,165.19	1.01	0.63	-0.80
17,440.00	87.27	178.24	10,414.88	-7,256.54	226.93	7,260.09	0.54	-0.21	-0.49
17,534.00	89.53	178.41	10,417.50	-7,350.46	229.68	7,354.05	2.41	2.40	0.18
17,628.00	90.62	178.03	10,417.38	-7,444.41	232.60	7,448.04	1.23	1.16	-0.40
17,723.00	91.36	177.03	10,415.74	-7,539.31	236.69	7,543.02	1.31	0.78	-1.05
17,751.00	91.27	176.95	10,415.09	-7,567.26	238.16	7,571.01	0.43	-0.32	-0.29
Final Phoenix MWD Survey									
17,811.00	91.27	176.95	10,413.76	-7,627.16	241.35	7,630.98	0.00	0.00	0.00
Projection to TD									

Design Annotations

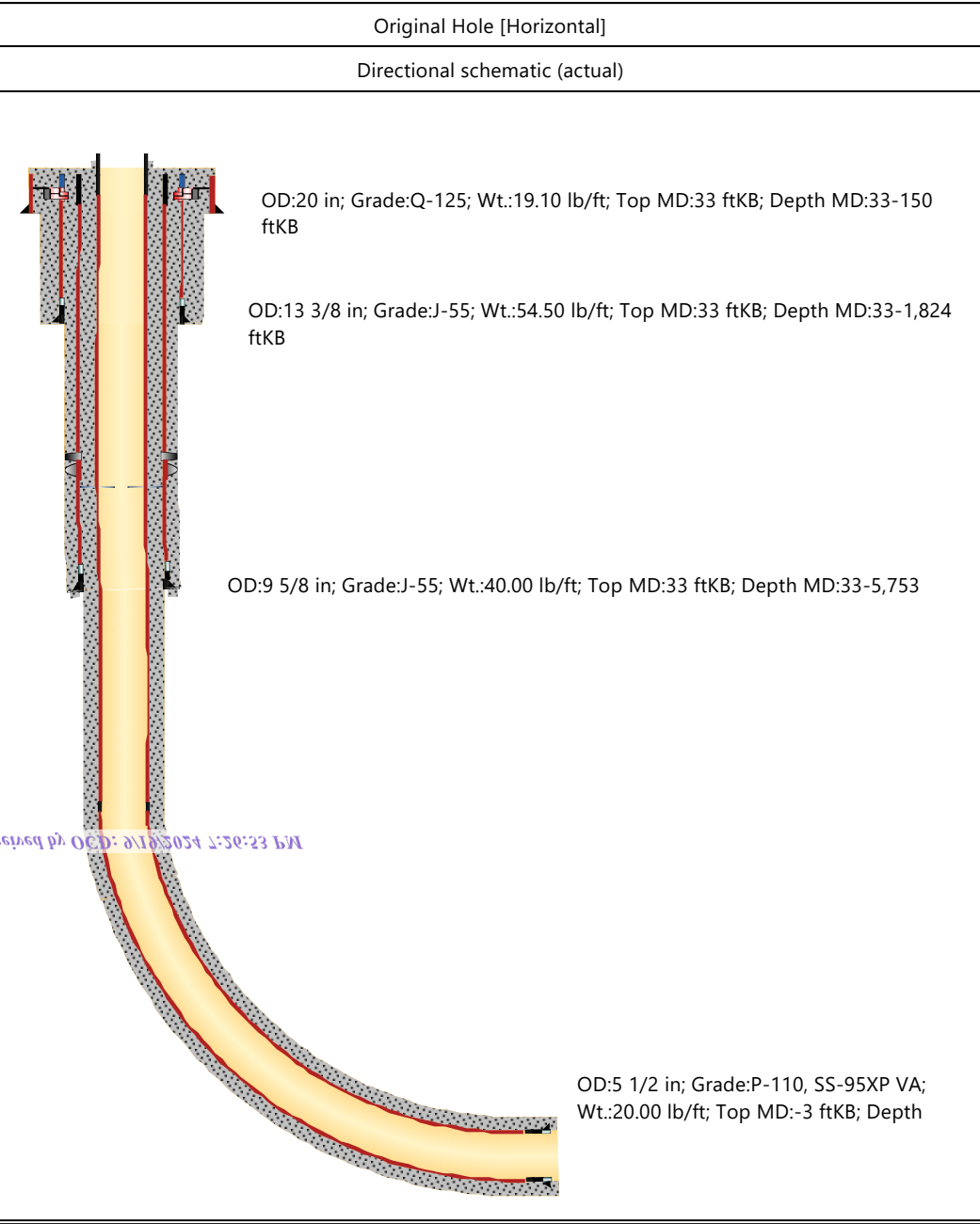
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
181.00	181.00	0.09	0.17	First Phoenix MWD Survey
10,007.20	9,972.30	92.29	175.49	FTP: 10007.20' MD, 9972.30' TVD
12,629.36	10,282.73	-2,450.33	156.61	PP2: 12629.36' MD, 10282.73' TVD
17,751.00	10,415.09	-7,567.26	238.16	Final Phoenix MWD Survey
17,811.00	10,413.76	-7,627.16	241.35	Projection to TD

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy	1858	1858	W	T. San Jose			
T. Salt	2322	2321	-	T. Nacimiento			
B. Salt	3775	3760	-	T. Ojo Alamo			
T. Yates	3939	3923	-	T. Kirtland			
T. 7 Rivers				T. Fruitland			
T. Queen				T. Pictured Cliffs			
T. Grayburg				T. Lewis Shale			
T. San Andres				T. Chacra			
T. Glorieta				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	5663	5646	O				
T. Brushy Canyon	6887	6870	O				
T. Bone Springs	8284	8266	O				
T. 1st BS Sand	9426	9408	O				
T. 2nd BS Carbonate							
T. 2nd BS Sand	10,003	9970	O				
T. 3rd BS Carbonate							
T. 3rd BS Sand							

Drilling Wellbore Schematic

Well Name: BUTTERS STOTCH 8 STATE COM 124H

County LEA	State/Province NEW MEXICO	Pad Name BUTTERS STOTCH 8 NESE 1	Wells Drilling on Pad 2
Wellbore API/UWI 30-025-52485	Original KB Elevation (ft) 3599	Ground Elevation (ft) 3569	KB-Ground Distance (ft) 30.00
Responsible Grp 1	Contractor H&P	Rig Number 510	Target Formation SBSG SAND LOWER



Wellbore Sections					
Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Conductor	20	30.0	30.0	150.0	150.0
Surface	17 1/2	150.0	150.0	1,839.0	1,838.9
Intermediate 1	12 1/4	1,839.0	1,838.9	5,770.0	5,753.2
Production	8 3/4	5,770.0	5,753.2	10,478.0	10,201.4
Production	8 1/2	10,478.0	10,201.4	17,811.0	10,411.5
Wellbore Kick Offs & Key Depths					
Type	Top Depth (ftKB)		Depth Top (TVD) (ftKB)		
KOP-LP	9,755.0		9,736.9		
Casing Strings					
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)	# Centralizers (Tally)
Conductor	20	19.10	Q-125	150	0
Surface Casing	13 3/8	54.50	J-55	1,824	13
Intermediate 1	9 5/8	40.00	J-55	5,753	37
Production Casing/Liner	5 1/2	20.00	SS-95XP VA	17,796	71

Perfs
MD 10,439 - 17,755
TVD 10,208 - 10,419
Holes: 1479, Size: .43

Cement
Surface: Cmt lead w/1025sxs CI C, yield 1.90, tail w/ 550sx CI C, yeild 1.33. Circ 200bbbs cmt to surf.
Intermediate: Cmt lead w/ 100sx CI C, 3.38 yield, tail w/300sx CI C, 1.33 yield. DVTool @ 4187. 2nd Lead w/ 830sx CL C, yield 3.37, tail w/ 155sx C, yield 1.36 Circ 118 bbbs to surf.
Production: Cmt lead w/835sx CI C, 3.39 yield, tail w/1405sx CI C, 1.72 yield. Circ 10bbl cmt to surf.

Tubing
Size: 2-7/8, 6.5#, L80
Depth:9657
Production Method: ESP

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 385278

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 385278
	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 385278

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 385278
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	5/9/2025