

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-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: Big Burro 27 State Com 124H	Property Code: 327171
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-49922
Pool Name: Winchester; Bone Spring, West	Pool Code: 97569

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	27	19S	28E		1101 South	173 East	32.627557	-104.156391	Eddy

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Gas Lift	9/23/24	7,682 - 17,468	7,539 - 7,213

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. 204336
Surface Casing Action ID: 363563	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 363564	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-21439
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 369056	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):	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 	PH 432-400-0185
Title Regulatory Specialist	Date 11/6/24

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 30-015-49922	Pool Code 97569	Pool Name WINCHESTER; BONE SPRING, WEST
Property Code 327171	Property Name BIG BURRO 27 STATE COM	Well Number 124H
OGRID No. 372165	Operator Name PERMIAN RESOURCES OPERATING, LLC	Ground Level Elevation 3,337.40'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL P	Section 27	Township 19 S	Range 28 E	Lot	Ft. from N/S 1,101' FSL	Ft. from E/W 173' FEL	Latitude 32.627557°	Longitude -104.156391°	County EDDY
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Bottom Hole Location

UL M	Section 28	Township 19 S	Range 28 E	Lot	Ft. from N/S 974' FSL	Ft. from E/W 93' FWL	Latitude 32.627050°	Longitude -104.189424°	County EDDY
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Dedicated Acres 320.00	Infill or Defining Well Infill	Defining Well API 30-015-46765	Overlapping Spacing Unit (Y/N) No	Consolidation Code C,F
Order Numbers. C # 204336, F # R-21439			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL P	Section 27	Township 19 S	Range 28 E	Lot	Ft. from N/S 996' FSL	Ft. from E/W 100' FEL	Latitude 32.627267°	Longitude -104.156154°	County EDDY
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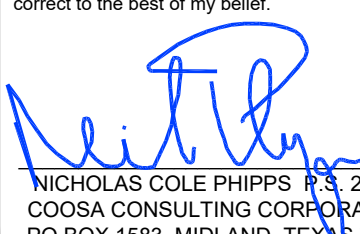
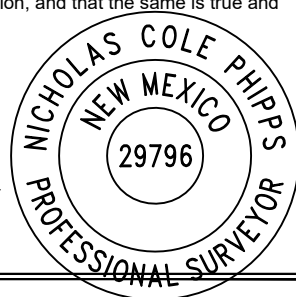
First Take Point (FTP)

UL P	Section 27	Township 19 S	Range 28 E	Lot	Ft. from N/S 1,018' FSL	Ft. from E/W 507' FEL	Latitude 32.627324°	Longitude -104.157477°	County EDDY
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Last Take Point (LTP)

UL M	Section 28	Township 19 S	Range 28 E	Lot	Ft. from N/S 977' FSL	Ft. from E/W 154' FWL	Latitude 32.627060°	Longitude -104.189226°	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3367
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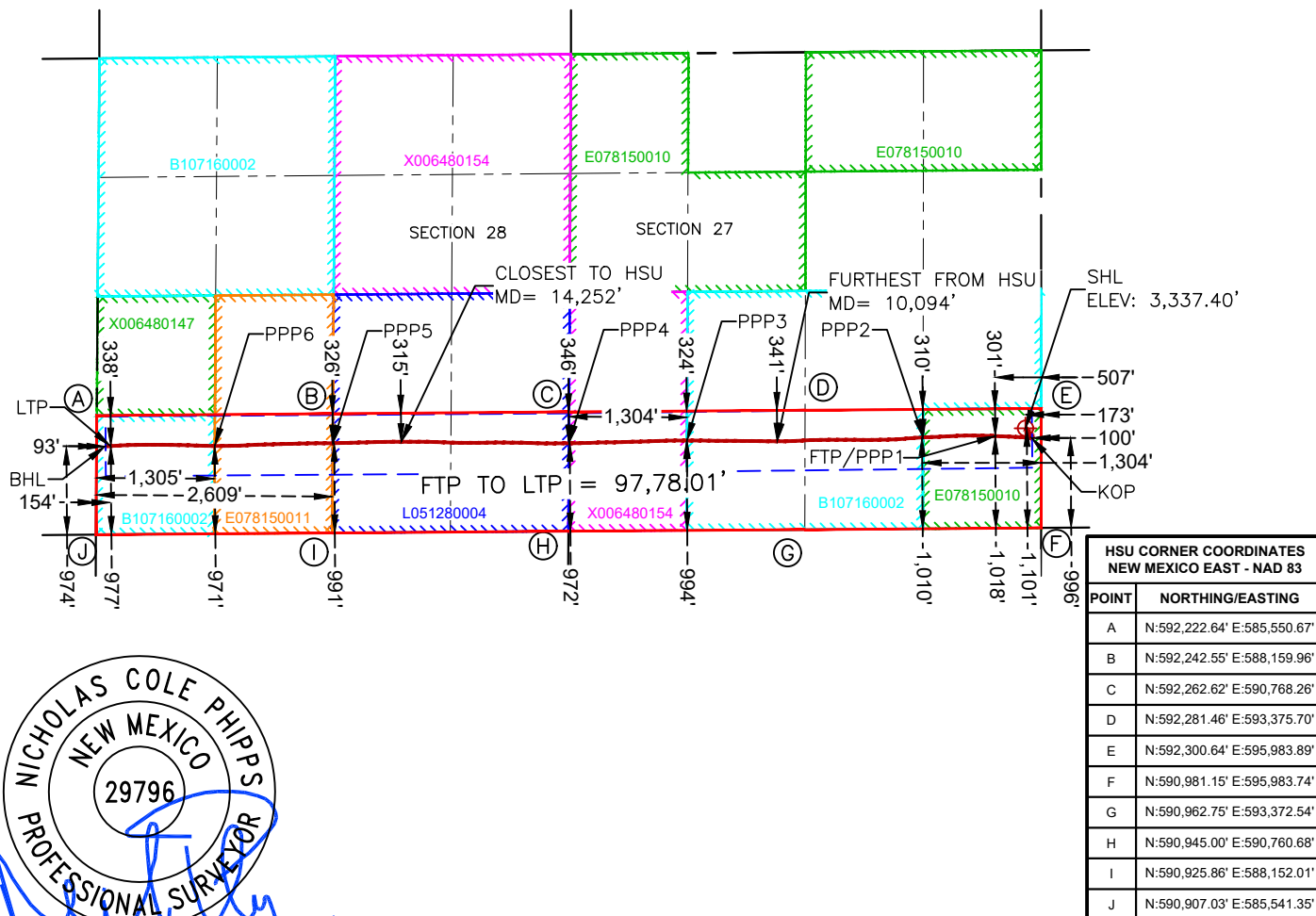
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.  11/6/24		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.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701	
Signature Kanicia Schlichting		Signature and Seal of Professional Surveyor 	
Printed Name kanicia.schlichting@permianres.com		Certificate Number 12177	Date of Survey 10/23/2024

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
1,101' FSL & 173' FEL
ELEV. = 3,337.40'

NAD 83 X = 595,810.61'
NAD 83 Y = 592,081.38'
NAD 83 LAT = 32.627557°
NAD 83 LONG = -104.156391°
NAD 27 X = 554,630.66'
NAD 27 Y = 592,019.53'
NAD 27 LAT = 32.627440°
NAD 27 LONG = -104.155884°

KICK-OFF POINT
996' FSL & 100' FEL
MD = 6,724.09'

NAD 83 X = 595,883.85'
NAD 83 Y = 591,976.12'
NAD 83 LAT = 32.627267°
NAD 83 LONG = -104.156154°
NAD 27 X = 554,703.90'
NAD 27 Y = 591,914.27'
NAD 27 LAT = 32.627150°
NAD 27 LONG = -104.155646°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,018' FSL & 507' FEL
MD = 7,682.00'

NAD 83 X = 595,476.41'
NAD 83 Y = 591,995.95'
NAD 83 LAT = 32.627324°
NAD 83 LONG = -104.157477°
NAD 27 X = 554,296.46'
NAD 27 Y = 591,934.11'
NAD 27 LAT = 32.627206°
NAD 27 LONG = -104.156970°

PENETRATION POINT 2
1,010' FSL & 1,304' FEL
MD = 8,480.41'

NAD 83 X = 594,679.41'
NAD 83 Y = 591,981.81'
NAD 83 LAT = 32.627288°
NAD 83 LONG = -104.160066°
NAD 27 X = 553,499.46'
NAD 27 Y = 591,919.97'
NAD 27 LAT = 32.627171°
NAD 27 LONG = -104.159558°

PENETRATION POINT 3
994' FSL & 1,304' FWL
MD = 11,091.39'

NAD 83 X = 592,070.66'
NAD 83 Y = 591,947.53'
NAD 83 LAT = 32.627205°
NAD 83 LONG = -104.168540°
NAD 27 X = 550,890.71'
NAD 27 Y = 591,885.72'
NAD 27 LAT = 32.627088°
NAD 27 LONG = -104.168032°

PENETRATION POINT 4
972' FSL & 0' FEL
MD = 12,397.41'

NAD 83 X = 590,766.27'
NAD 83 Y = 591,916.89'
NAD 83 LAT = 32.627127°
NAD 83 LONG = -104.172777°
NAD 27 X = 549,586.32'
NAD 27 Y = 591,855.08'
NAD 27 LAT = 32.627010°
NAD 27 LONG = -104.172269°

PENETRATION POINT 5
991' FSL & 2,609' FEL
MD = 15,009.32'

NAD 83 X = 588,157.99'
NAD 83 Y = 591,916.57'
NAD 83 LAT = 32.627136°
NAD 83 LONG = -104.181249°
NAD 27 X = 546,978.05'
NAD 27 Y = 591,854.79'
NAD 27 LAT = 32.627019°
NAD 27 LONG = -104.180741°

PENETRATION POINT 6
971' FSL & 1,305' FWL
MD = 16,315.71'

NAD 83 X = 586,853.17'
NAD 83 Y = 591,887.35'
NAD 83 LAT = 32.627061°
NAD 83 LONG = -104.185488°
NAD 27 X = 545,673.23'
NAD 27 Y = 591,825.57'
NAD 27 LAT = 32.626944°
NAD 27 LONG = -104.184980°

LAST TAKE POINT
977' FSL & 154' FWL
MD = 17,468.00'

NAD 83 X = 585,702.23'
NAD 83 Y = 591,885.51'
NAD 83 LAT = 32.627060°
NAD 83 LONG = -104.189226°
NAD 27 X = 544,522.29'
NAD 27 Y = 591,823.74'
NAD 27 LAT = 32.626944°
NAD 27 LONG = -104.188718°

BOTTOM HOLE LOCATION
974' FSL & 93' FWL
MD = 17,529.00'

NAD 83 X = 585,641.36'
NAD 83 Y = 591,881.54'
NAD 83 LAT = 32.627050°
NAD 83 LONG = -104.189424°
NAD 27 X = 544,461.42'
NAD 27 Y = 591,819.77'
NAD 27 LAT = 32.626933°
NAD 27 LONG = -104.188916°

PERMIAN

R E S O U R C E S

Permian Resources

Eddy County, NM (NAD83 - NME)

Big Burro

Big Burro 27 St Com 124H

OH / 75069

Survey: Phoenix MWD Surveys

Standard Survey Report

18 July, 2024



PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	Database:	USAEDMDB

Project	Eddy 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	Big Burro		
Site Position:		Northing:	592,111.38 usft
From:	Map	Easting:	595,810.61 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 39.501624 N
		Longitude:	104° 9' 23.007744 W

Well	Big Burro 27 St Com 124H		
Well Position	+N/-S	0.00 usft	Northing: 592,081.38 usft
	+E/-W	0.00 usft	Easting: 595,810.61 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.095 °	Ground Level:	3,337.40 usft

Wellbore	OH / 75069				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	8/25/2024	6.806	60.206	47,411.02499006

Design	Surveys (H&P 313)				
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	269.87	

Survey Program	Date	7/18/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
151.00	17,529.00	Phoenix MWD Surveys (OH / 75069)	B001Mc_MWD+HRGM_F	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	
151.00	0.25	153.02	151.00	-0.29	0.15	-0.15	0.17	0.17	0.00	
First Phoenix MWD Survey										
207.00	0.44	167.91	207.00	-0.61	0.25	-0.25	0.37	0.34	26.59	
319.00	0.53	129.46	318.99	-1.36	0.74	-0.74	0.30	0.08	-34.33	
376.00	0.39	163.29	375.99	-1.72	1.00	-1.00	0.53	-0.25	59.35	
430.00	0.39	149.43	429.99	-2.05	1.15	-1.14	0.17	0.00	-25.67	
484.00	0.28	122.92	483.99	-2.28	1.35	-1.34	0.35	-0.20	-49.09	
544.00	0.45	136.17	543.99	-2.53	1.64	-1.63	0.31	0.28	22.08	
632.00	0.54	122.09	631.99	-3.00	2.23	-2.22	0.17	0.10	-16.00	

PERMIAN

RESOURCES

Phoenix Technology Services

Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
692.00	0.47	115.14	691.98	-3.25	2.69	-2.68	0.15	-0.12	-11.58
786.00	0.61	107.39	785.98	-3.57	3.52	-3.51	0.17	0.15	-8.24
881.00	0.51	103.74	880.98	-3.82	4.41	-4.40	0.11	-0.11	-3.84
975.00	0.54	97.68	974.97	-3.98	5.25	-5.25	0.07	0.03	-6.45
1,070.00	0.37	91.22	1,069.97	-4.04	6.00	-6.00	0.19	-0.18	-6.80
1,164.00	0.45	84.22	1,163.97	-4.01	6.68	-6.67	0.10	0.09	-7.45
1,259.00	0.52	68.12	1,258.96	-3.81	7.45	-7.44	0.16	0.07	-16.95
1,354.00	0.49	60.19	1,353.96	-3.45	8.20	-8.19	0.08	-0.03	-8.35
1,448.00	0.53	72.90	1,447.96	-3.12	8.96	-8.96	0.13	0.04	13.52
1,542.00	0.49	78.43	1,541.95	-2.92	9.77	-9.77	0.07	-0.04	5.88
1,637.00	0.53	74.74	1,636.95	-2.72	10.59	-10.59	0.05	0.04	-3.88
1,731.00	0.58	66.65	1,730.94	-2.42	11.45	-11.45	0.10	0.05	-8.61
1,826.00	0.49	75.06	1,825.94	-2.12	12.28	-12.28	0.13	-0.09	8.85
1,920.00	0.52	62.89	1,919.94	-1.82	13.05	-13.05	0.12	0.03	-12.95
2,014.00	2.35	145.24	2,013.91	-3.21	14.53	-14.52	2.49	1.95	87.61
2,109.00	3.50	150.38	2,108.78	-7.33	17.07	-17.06	1.24	1.21	5.41
2,203.00	5.54	152.75	2,202.48	-13.86	20.57	-20.54	2.18	2.17	2.52
2,298.00	5.87	154.82	2,297.01	-22.33	24.74	-24.69	0.41	0.35	2.18
2,392.00	5.89	153.17	2,390.52	-30.99	28.96	-28.89	0.18	0.02	-1.76
2,487.00	6.01	154.09	2,485.01	-39.81	33.33	-33.24	0.16	0.13	0.97
2,581.00	5.94	154.23	2,578.50	-48.62	37.60	-37.49	0.08	-0.07	0.15
2,675.00	6.04	156.38	2,671.98	-57.53	41.69	-41.56	0.26	0.11	2.29
2,770.00	5.33	153.96	2,766.52	-66.07	45.63	-45.48	0.79	-0.75	-2.55
2,864.00	4.64	153.71	2,860.16	-73.41	49.23	-49.07	0.73	-0.73	-0.27
2,959.00	4.57	154.03	2,954.85	-80.25	52.59	-52.41	0.08	-0.07	0.34
3,053.00	4.53	155.97	3,048.56	-87.01	55.74	-55.55	0.17	-0.04	2.06
3,115.00	4.47	155.72	3,110.37	-91.45	57.74	-57.53	0.10	-0.10	-0.40
3,244.00	4.35	157.02	3,238.98	-100.53	61.71	-61.48	0.12	-0.09	1.01
3,339.00	3.24	151.01	3,333.77	-106.20	64.42	-64.18	1.24	-1.17	-6.33
3,433.00	0.92	88.76	3,427.71	-108.51	66.46	-66.22	3.11	-2.47	-66.22
3,527.00	0.52	112.50	3,521.71	-108.65	67.61	-67.36	0.52	-0.43	25.26
3,622.00	0.49	90.94	3,616.70	-108.83	68.42	-68.17	0.20	-0.03	-22.69
3,716.00	0.34	123.97	3,710.70	-108.99	69.05	-68.80	0.29	-0.16	35.14
3,810.00	0.66	105.98	3,804.70	-109.29	69.80	-69.55	0.38	0.34	-19.14
3,905.00	0.97	77.35	3,899.69	-109.27	71.11	-70.86	0.53	0.33	-30.14
4,000.00	1.35	70.86	3,994.67	-108.73	72.95	-72.71	0.42	0.40	-6.83
4,094.00	1.63	55.54	4,088.64	-107.61	75.10	-74.86	0.52	0.30	-16.30
4,189.00	1.41	26.45	4,183.60	-105.79	76.74	-76.50	0.83	-0.23	-30.62
4,284.00	1.52	8.42	4,278.57	-103.50	77.44	-77.21	0.50	0.12	-18.98
4,378.00	1.61	1.39	4,372.54	-100.95	77.66	-77.43	0.23	0.10	-7.48
4,472.00	1.62	355.55	4,466.50	-98.30	77.58	-77.36	0.18	0.01	-6.21
4,567.00	1.37	256.60	4,561.48	-97.23	76.38	-76.15	2.40	-0.26	-104.16
4,661.00	1.50	269.15	4,655.45	-97.51	74.05	-73.83	0.36	0.14	13.35

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
4,756.00	1.59	269.45	4,750.42	-97.54	71.49	-71.27	0.10	0.09	0.32
4,850.00	1.64	274.30	4,844.38	-97.45	68.85	-68.62	0.15	0.05	5.16
4,944.00	1.41	278.83	4,938.35	-97.17	66.36	-66.14	0.28	-0.24	4.82
5,039.00	1.30	286.72	5,033.32	-96.68	64.17	-63.95	0.23	-0.12	8.31
5,133.00	0.69	272.55	5,127.31	-96.35	62.59	-62.37	0.69	-0.65	-15.07
5,227.00	1.25	162.37	5,221.30	-97.30	62.33	-62.11	1.73	0.60	-117.21
5,322.00	0.88	155.60	5,316.28	-98.95	62.95	-62.72	0.41	-0.39	-7.13
5,417.00	0.83	99.09	5,411.27	-99.73	63.93	-63.70	0.85	-0.05	-59.48
5,511.00	1.01	66.53	5,505.26	-99.50	65.36	-65.14	0.58	0.19	-34.64
5,606.00	1.68	38.61	5,600.24	-98.08	67.00	-66.78	0.97	0.71	-29.39
5,700.00	2.22	25.82	5,694.18	-95.37	68.65	-68.43	0.73	0.57	-13.61
5,794.00	1.65	57.64	5,788.13	-93.00	70.59	-70.38	1.27	-0.61	33.85
5,889.00	1.47	81.71	5,883.10	-92.10	72.95	-72.74	0.71	-0.19	25.34
5,983.00	1.30	70.24	5,977.07	-91.56	75.14	-74.94	0.35	-0.18	-12.20
6,077.00	0.68	158.58	6,071.06	-91.72	76.35	-76.14	1.54	-0.66	93.98
6,172.00	1.35	182.88	6,166.04	-93.36	76.50	-76.29	0.82	0.71	25.58
6,266.00	1.32	181.29	6,260.02	-95.55	76.42	-76.20	0.05	-0.03	-1.69
6,455.00	1.41	204.73	6,448.96	-99.84	75.40	-75.17	0.30	0.05	12.40
6,549.00	1.31	200.28	6,542.94	-101.90	74.54	-74.31	0.15	-0.11	-4.73
6,644.00	1.24	199.68	6,637.91	-103.88	73.82	-73.59	0.08	-0.07	-0.63
6,724.87	0.95	205.40	6,718.77	-105.31	73.24	-73.00	0.39	-0.36	7.08
FTP: 6724.87' MD, 6718.77' TVD									
6,738.00	0.90	206.68	6,731.90	-105.50	73.15	-72.91	0.39	-0.35	9.73
6,833.00	0.46	232.09	6,826.89	-106.40	72.51	-72.27	0.55	-0.46	26.75
6,920.00	0.30	289.10	6,913.89	-106.54	72.02	-71.78	0.45	-0.18	65.53
6,952.00	0.39	289.15	6,945.89	-106.48	71.84	-71.60	0.28	0.28	0.16
7,046.00	8.30	271.09	7,039.55	-106.25	64.74	-64.50	8.44	8.41	-19.21
7,141.00	20.22	275.18	7,131.45	-104.63	41.45	-41.21	12.58	12.55	4.31
7,235.00	30.03	276.34	7,216.46	-100.55	1.80	-1.57	10.45	10.44	1.23
7,330.00	35.84	270.33	7,296.18	-97.76	-49.70	49.92	7.01	6.12	-6.33
7,423.00	44.94	273.90	7,366.95	-95.37	-109.83	110.04	10.09	9.78	3.84
7,518.00	55.40	271.75	7,427.71	-91.88	-182.59	182.80	11.15	11.01	-2.26
7,613.00	70.39	273.24	7,470.88	-88.14	-266.83	267.03	15.84	15.78	1.57
7,707.00	86.97	271.43	7,489.26	-84.44	-358.60	358.79	17.74	17.64	-1.93
7,733.00	89.41	271.74	7,490.09	-83.72	-384.58	384.77	9.46	9.38	1.19
7,827.00	90.12	272.08	7,490.47	-80.59	-478.52	478.70	0.84	0.76	0.36
7,921.00	90.21	269.89	7,490.20	-78.97	-572.50	572.68	2.33	0.10	-2.33
8,015.00	91.70	268.47	7,488.63	-80.31	-666.48	666.66	2.19	1.59	-1.51
8,110.00	92.78	268.04	7,484.92	-83.21	-761.36	761.54	1.22	1.14	-0.45
8,204.00	91.65	266.83	7,481.29	-87.41	-855.19	855.39	1.76	-1.20	-1.29
8,298.00	92.52	267.11	7,477.87	-92.37	-948.99	949.20	0.97	0.93	0.30
8,393.00	91.33	268.34	7,474.68	-96.14	-1,043.86	1,044.08	1.80	-1.25	1.29
8,480.47	90.02	267.25	7,473.65	-99.51	-1,131.26	1,131.48	1.95	-1.50	-1.24
PP2: 8480.47' MD, 7473.65' TVD									

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
8,487.00	89.92	267.17	7,473.65	-99.83	-1,137.78	1,138.00	1.95	-1.50	-1.24
8,582.00	90.04	265.70	7,473.68	-105.73	-1,232.59	1,232.83	1.55	0.13	-1.55
8,676.00	90.65	264.42	7,473.12	-113.83	-1,326.24	1,326.50	1.51	0.65	-1.36
8,771.00	90.87	266.85	7,471.86	-121.06	-1,420.95	1,421.22	2.57	0.23	2.56
8,865.00	90.68	269.40	7,470.59	-124.13	-1,514.88	1,515.16	2.72	-0.20	2.71
8,960.00	91.27	268.40	7,468.97	-125.95	-1,609.85	1,610.13	1.22	0.62	-1.05
9,055.00	91.43	269.74	7,466.73	-127.50	-1,704.81	1,705.09	1.42	0.17	1.41
9,149.00	91.84	270.66	7,464.05	-127.17	-1,798.77	1,799.05	1.07	0.44	0.98
9,244.00	93.60	269.74	7,459.54	-126.84	-1,893.66	1,893.94	2.09	1.85	-0.97
9,339.00	91.18	270.46	7,455.58	-126.67	-1,988.57	1,988.85	2.66	-2.55	0.76
9,433.00	91.76	269.93	7,453.17	-126.35	-2,082.53	2,082.82	0.84	0.62	-0.56
9,527.00	90.41	269.53	7,451.39	-126.79	-2,176.51	2,176.80	1.50	-1.44	-0.43
9,622.00	90.39	269.16	7,450.73	-127.88	-2,271.51	2,271.79	0.39	-0.02	-0.39
9,716.00	90.28	268.05	7,450.18	-130.17	-2,365.47	2,365.76	1.19	-0.12	-1.18
9,811.00	91.24	266.91	7,448.92	-134.34	-2,460.37	2,460.67	1.57	1.01	-1.20
9,905.00	89.88	267.49	7,448.00	-138.93	-2,554.25	2,554.56	1.57	-1.45	0.62
10,000.00	89.12	268.35	7,448.83	-142.38	-2,649.18	2,649.50	1.21	-0.80	0.91
10,094.00	88.41	270.26	7,450.85	-143.52	-2,743.15	2,743.47	2.17	-0.76	2.03
10,188.00	89.10	270.94	7,452.89	-142.54	-2,837.12	2,837.44	1.03	0.73	0.72
10,282.00	88.79	271.05	7,454.63	-140.91	-2,931.09	2,931.40	0.35	-0.33	0.12
10,377.00	88.65	270.23	7,456.75	-139.85	-3,026.06	3,026.37	0.88	-0.15	-0.86
10,471.00	89.64	270.59	7,458.15	-139.17	-3,120.05	3,120.36	1.12	1.05	0.38
10,566.00	89.95	270.30	7,458.49	-138.44	-3,215.04	3,215.35	0.45	0.33	-0.31
10,661.00	90.49	270.24	7,458.13	-137.99	-3,310.04	3,310.35	0.57	0.57	-0.06
10,755.00	92.35	270.54	7,455.80	-137.35	-3,404.01	3,404.31	2.00	1.98	0.32
10,850.00	92.69	270.67	7,451.62	-136.35	-3,498.91	3,499.21	0.38	0.36	0.14
10,944.00	93.03	270.97	7,446.93	-135.00	-3,592.78	3,593.08	0.48	0.36	0.32
11,039.00	93.24	270.38	7,441.73	-133.89	-3,687.63	3,687.93	0.66	0.22	-0.62
11,091.41	92.97	270.01	7,438.90	-133.71	-3,739.97	3,740.26	0.88	-0.52	-0.71
PP3: 11091.41' MD, 7438.90' TVD									
11,133.00	92.75	269.71	7,436.82	-133.81	-3,781.50	3,781.80	0.88	-0.52	-0.71
11,228.00	92.69	269.07	7,432.31	-134.82	-3,876.39	3,876.69	0.68	-0.06	-0.67
11,322.00	93.07	268.41	7,427.59	-136.89	-3,970.25	3,970.55	0.81	0.40	-0.70
11,417.00	93.31	267.61	7,422.30	-140.18	-4,065.04	4,065.35	0.88	0.25	-0.84
11,511.00	92.61	268.48	7,417.45	-143.38	-4,158.86	4,159.18	1.19	-0.74	0.93
11,606.00	91.56	268.87	7,413.99	-145.58	-4,253.77	4,254.09	1.18	-1.11	0.41
11,700.00	92.02	268.39	7,411.06	-147.82	-4,347.70	4,348.02	0.71	0.49	-0.51
11,795.00	92.33	267.68	7,407.45	-151.08	-4,442.57	4,442.91	0.82	0.33	-0.75
11,889.00	92.38	268.85	7,403.59	-153.92	-4,536.45	4,536.79	1.24	0.05	1.24
11,984.00	92.17	269.49	7,399.82	-155.30	-4,631.36	4,631.70	0.71	-0.22	0.67
12,078.00	92.03	268.45	7,396.37	-156.99	-4,725.28	4,725.63	1.12	-0.15	-1.11
12,172.00	91.84	267.32	7,393.20	-160.45	-4,819.17	4,819.52	1.22	-0.20	-1.20
12,267.00	92.75	268.67	7,389.40	-163.77	-4,914.03	4,914.39	1.71	0.96	1.42

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
12,362.00	92.07	270.50	7,385.40	-164.46	-5,008.94	5,009.30	2.05	-0.72	1.93
12,397.42	91.86	270.09	7,384.19	-164.28	-5,044.34	5,044.70	1.32	-0.61	-1.17
PP4: 12397.42' MD, 7384.19' TVD									
12,456.00	91.50	269.40	7,382.47	-164.54	-5,102.89	5,103.25	1.32	-0.61	-1.17
12,551.00	91.50	268.49	7,379.99	-166.29	-5,197.84	5,198.20	0.96	0.00	-0.96
12,645.00	92.74	270.56	7,376.51	-167.07	-5,291.77	5,292.13	2.57	1.32	2.20
12,739.00	93.60	272.68	7,371.31	-164.42	-5,385.58	5,385.94	2.43	0.91	2.26
12,834.00	93.14	271.54	7,365.72	-160.93	-5,480.35	5,480.70	1.29	-0.48	-1.20
12,928.00	94.06	271.12	7,359.82	-158.75	-5,574.14	5,574.48	1.08	0.98	-0.45
13,023.00	94.72	270.23	7,352.55	-157.63	-5,668.85	5,669.19	1.16	0.69	-0.94
13,118.00	92.38	270.76	7,346.67	-156.81	-5,763.66	5,764.00	2.53	-2.46	0.56
13,212.00	92.96	269.60	7,342.29	-156.52	-5,857.55	5,857.89	1.38	0.62	-1.23
13,307.00	93.55	268.67	7,336.90	-157.95	-5,952.39	5,952.73	1.16	0.62	-0.98
13,401.00	92.22	269.46	7,332.16	-159.48	-6,046.25	6,046.60	1.65	-1.41	0.84
13,496.00	92.51	270.08	7,328.24	-159.86	-6,141.17	6,141.52	0.72	0.31	0.65
13,591.00	92.94	270.77	7,323.73	-159.16	-6,236.06	6,236.40	0.86	0.45	0.73
13,685.00	93.23	271.02	7,318.67	-157.69	-6,329.91	6,330.25	0.41	0.31	0.27
13,780.00	91.41	272.57	7,314.82	-154.72	-6,424.78	6,425.11	2.52	-1.92	1.63
13,874.00	92.98	271.88	7,311.22	-151.07	-6,518.64	6,518.96	1.82	1.67	-0.73
13,969.00	92.29	270.91	7,306.85	-148.76	-6,613.51	6,613.83	1.25	-0.73	-1.02
14,063.00	91.84	269.89	7,303.47	-148.11	-6,707.44	6,707.76	1.19	-0.48	-1.09
14,158.00	92.97	269.94	7,299.48	-148.25	-6,802.36	6,802.67	1.19	1.19	0.05
14,252.00	91.70	270.47	7,295.65	-147.91	-6,896.27	6,896.59	1.46	-1.35	0.56
14,346.00	92.12	269.31	7,292.52	-148.09	-6,990.22	6,990.54	1.31	0.45	-1.23
14,441.00	90.19	269.24	7,290.60	-149.29	-7,085.19	7,085.51	2.03	-2.03	-0.07
14,535.00	90.15	268.73	7,290.32	-150.96	-7,179.17	7,179.50	0.54	-0.04	-0.54
14,630.00	88.90	267.79	7,291.11	-153.84	-7,274.12	7,274.45	1.65	-1.32	-0.99
14,724.00	91.56	268.31	7,290.73	-157.04	-7,368.06	7,368.40	2.88	2.83	0.55
14,819.00	93.67	269.00	7,286.40	-159.27	-7,462.93	7,463.27	2.34	2.22	0.73
14,913.00	94.71	267.71	7,279.53	-161.96	-7,556.64	7,556.98	1.76	1.11	-1.37
15,008.00	94.40	268.85	7,271.99	-164.80	-7,651.29	7,651.65	1.24	-0.33	1.20
15,009.33	94.39	268.88	7,271.89	-164.83	-7,652.62	7,652.97	2.08	-0.88	1.88
PP5: 15009.33' MD, 7271.89' TVD									
15,102.00	93.57	270.62	7,265.45	-165.23	-7,745.06	7,745.41	2.08	-0.88	1.88
15,196.00	94.04	270.08	7,259.22	-164.66	-7,838.85	7,839.20	0.76	0.50	-0.57
15,291.00	91.87	268.50	7,254.32	-165.84	-7,933.71	7,934.06	2.82	-2.28	-1.66
15,385.00	90.89	268.98	7,252.06	-167.90	-8,027.65	8,028.02	1.16	-1.04	0.51
15,480.00	90.41	267.72	7,250.98	-170.64	-8,122.61	8,122.97	1.42	-0.51	-1.33
15,574.00	90.69	268.55	7,250.08	-173.70	-8,216.55	8,216.92	0.93	0.30	0.88
15,668.00	91.56	269.09	7,248.23	-175.63	-8,310.51	8,310.89	1.09	0.93	0.57
15,763.00	91.52	268.17	7,245.68	-177.90	-8,405.45	8,405.83	0.97	-0.04	-0.97
15,857.00	92.15	267.60	7,242.67	-181.37	-8,499.34	8,499.73	0.90	0.67	-0.61
15,952.00	92.58	266.27	7,238.75	-186.45	-8,594.12	8,594.52	1.47	0.45	-1.40
16,046.00	92.13	268.12	7,234.88	-191.04	-8,687.92	8,688.33	2.02	-0.48	1.97

PERMIAN RESOURCES

Phoenix Technology Services Survey Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Big Burro 27 St Com 124H
Project:	Eddy County, NM (NAD83 - NME)	TVD Reference:	RKB @ 3363.40usft (H&P 313)
Site:	Big Burro	MD Reference:	RKB @ 3363.40usft (H&P 313)
Well:	Big Burro 27 St Com 124H	North Reference:	Grid
Wellbore:	OH / 75069	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	Database:	USAEDMDB

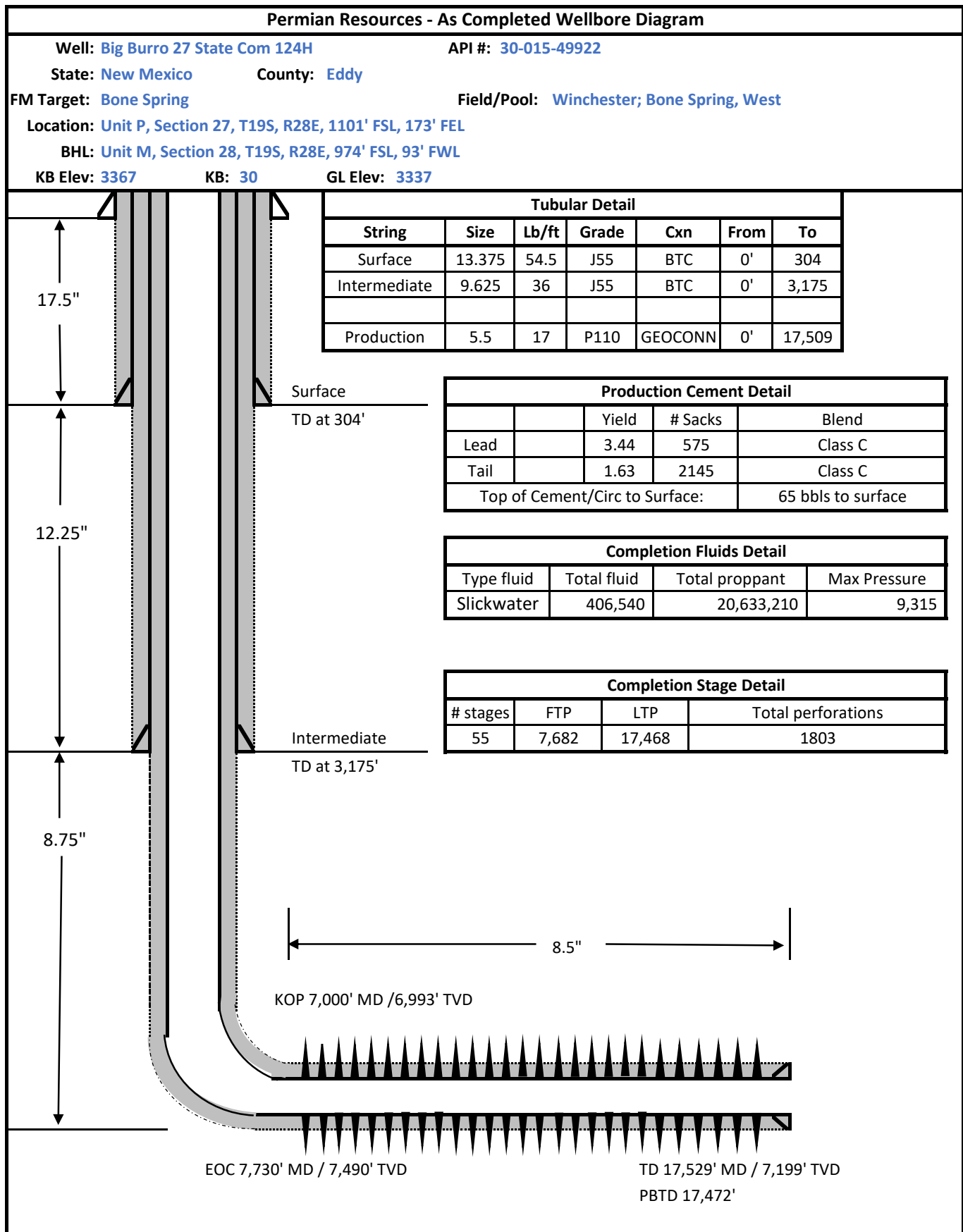
Survey

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)
16,140.00	91.81	268.58	7,231.65	-193.75	-8,781.83	8,782.24	0.60	-0.34	0.49
16,235.00	91.98	270.72	7,228.51	-194.33	-8,876.77	8,877.19	2.26	0.18	2.25
16,329.00	91.76	269.70	7,225.44	-193.98	-8,970.72	8,971.13	1.11	-0.23	-1.09
16,423.00	93.19	272.04	7,221.38	-192.56	-9,064.61	9,065.02	2.92	1.52	2.49
16,518.00	92.46	272.16	7,216.70	-189.08	-9,159.43	9,159.83	0.78	-0.77	0.13
16,612.00	92.64	271.59	7,212.52	-186.01	-9,253.28	9,253.68	0.64	0.19	-0.61
16,707.00	93.45	270.97	7,207.47	-183.89	-9,348.13	9,348.52	1.07	0.85	-0.65
16,801.00	94.02	270.39	7,201.35	-182.78	-9,441.92	9,442.31	0.86	0.61	-0.62
16,895.00	91.07	270.69	7,197.18	-181.89	-9,535.81	9,536.20	3.15	-3.14	0.32
16,990.00	91.52	270.03	7,195.03	-181.29	-9,630.78	9,631.17	0.84	0.47	-0.69
17,084.00	88.82	269.87	7,194.75	-181.38	-9,724.78	9,725.16	2.88	-2.87	-0.17
17,179.00	88.71	268.92	7,196.80	-182.38	-9,819.75	9,820.14	1.01	-0.12	-1.00
17,273.00	89.08	267.85	7,198.61	-185.03	-9,913.69	9,914.08	1.20	0.39	-1.14
17,367.00	89.75	266.62	7,199.57	-189.56	-10,007.57	10,007.98	1.49	0.71	-1.31
17,454.00	90.24	266.27	7,199.58	-194.96	-10,094.41	10,094.82	0.69	0.56	-0.40
Final Phoenix MWD Survey									
17,522.09	90.24	266.27	7,199.29	-199.39	-10,162.35	10,162.78	0.00	0.00	0.00
LTP: 17522.09' MD, 7199.29' TVD									
17,529.00	90.24	266.27	7,199.26	-199.84	-10,169.25	10,169.67	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
151.00	151.00	-0.29	0.15	First Phoenix MWD Survey
6,724.87	6,718.77	-105.31	73.24	FTP: 6724.87' MD, 6718.77' TVD
8,480.47	7,473.65	-99.51	-1,131.26	PP2: 8480.47' MD, 7473.65' TVD
11,091.41	7,438.90	-133.71	-3,739.97	PP3: 11091.41' MD, 7438.90' TVD
12,397.42	7,384.19	-164.28	-5,044.34	PP4: 12397.42' MD, 7384.19' TVD
15,009.33	7,271.89	-164.83	-7,652.62	PP5: 15009.33' MD, 7271.89' TVD
17,454.00	7,199.58	-194.96	-10,094.41	Final Phoenix MWD Survey
17,522.09	7,199.29	-199.39	-10,162.35	LTP: 17522.09' MD, 7199.29' TVD
17,529.00	7,199.26	-199.84	-10,169.25	Projection to TD

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
Rustler	334	334	W	T. San Jose			
Bell Canyon	3245	3240	O/G	T. Nacimiento			
Bone Spring Lime	4215	4210	O/G	T. Ojo Alamo			
1st Bone Spring	6468	6462	O/G	T. Kirtland			
2nd Bone Spring	7203	7189	O/G	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							
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							



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>

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

ACKNOWLEDGMENTS

Action 400307

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 400307
	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

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CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	11/6/2025