

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator <u>PERMIAN RESOURCES OPERATING, LLC</u>		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		9. API Well No. 30-025-51576
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

From: 100 FNL & 1716 FEL,
To: 100 FNL & 1760 FEL

TD/TVD Change:

From: 20,500TD, 10,066TVD
To: 22,076TD, 10,600TVD

Location of Well

0. SHL: NENW / 804 FNL / 2239 FWL / TWSP: 22S / RANGE: 32E / SECTION: 8 / LAT: 32.411171 / LONG: -103.698123 (TVD: 0 feet, MD: 0 feet)
PPP: NWSE / 2641 FNL / 1712 FEL / TWSP: 21S / RANGE: 32E / SECTION: 32 / LAT: 32.435149 / LONG: -103.693845 (TVD: 10066 feet, MD: 20060 feet)
PPP: SWSE / 1321 FSL / 1710 FEL / TWSP: 21S / RANGE: 32E / SECTION: 32 / LAT: 32.431518 / LONG: -103.693841 (TVD: 10762 feet, MD: 17417 feet)
PPP: NWNE / 0 FNL / 1709 FEL / TWSP: 21S / RANGE: 32E / SECTION: 32 / LAT: 32.427886 / LONG: -103.693837 (TVD: 10066 feet, MD: 16096 feet)
PPP: SWNE / 2629 FNL / 1715 FEL / TWSP: 22S / RANGE: 32E / SECTION: 5 / LAT: 32.420662 / LONG: -103.69883 (TVD: 10066 feet, MD: 13467 feet)
PPP: SWSE / 100 FSL / 1716 FEL / TWSP: 22S / RANGE: 32E / SECTION: 5 / LAT: 32.413676 / LONG: -103.693822 (TVD: 9588 feet, MD: 9776 feet)
BHL: NWNE / 100 FNL / 1716 FEL / TWSP: 21S / RANGE: 32E / SECTION: 32 / LAT: 32.442132 / LONG: -103.693852 (TVD: 10066 feet, MD: 20500 feet)

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

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-51576	² Pool Code 5695	³ Pool Name Bilbrey Basin; Bone Spring
⁴ Property Code	⁵ Property Name MOZZARELLA FED COM	⁶ Well Number 505H
⁷ OGRID No. 372165	⁸ Operator Name PERMIAN RESOURCES OPERATING, LLC	⁹ Elevation 3698.7'

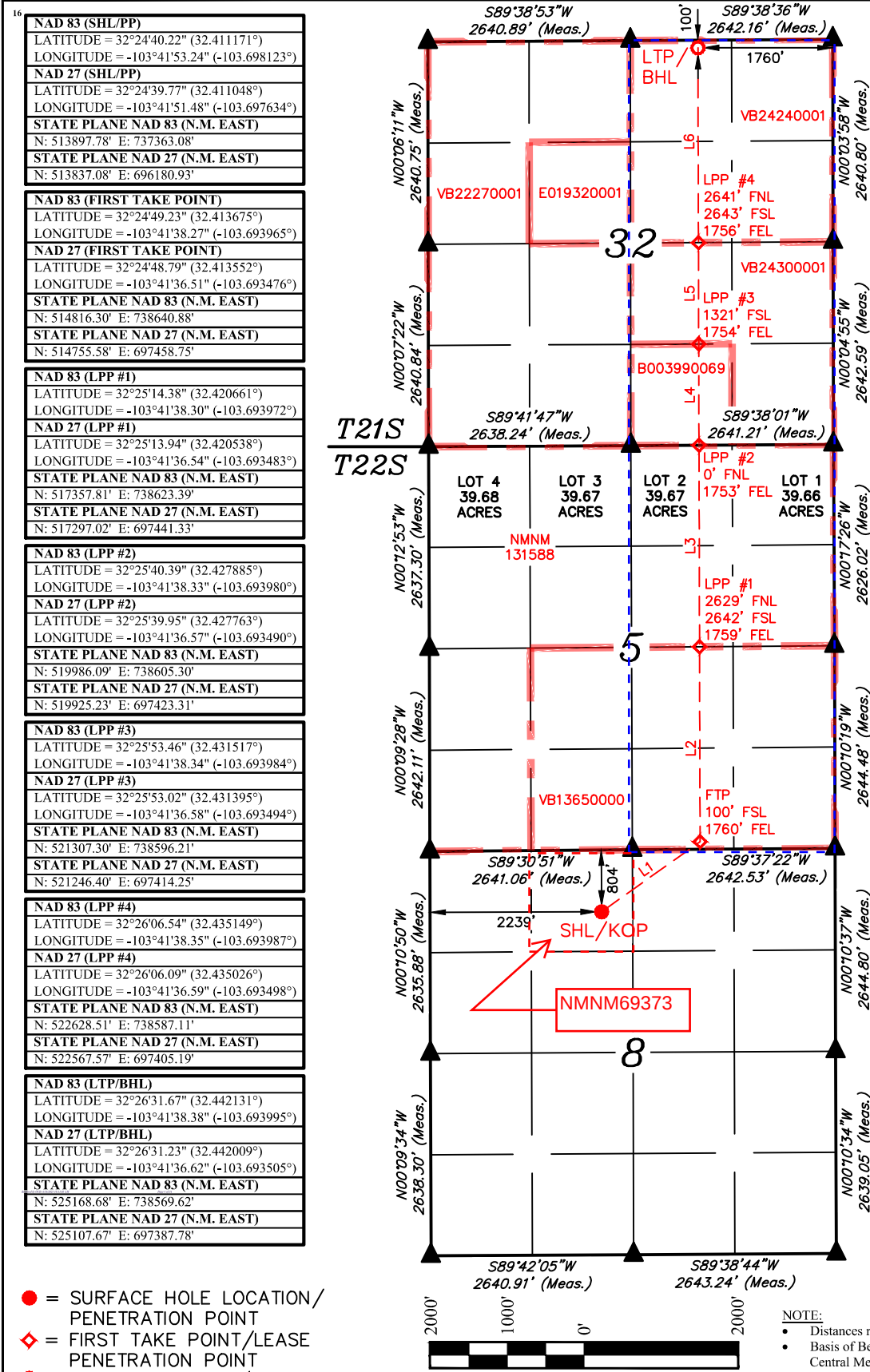
¹⁰ Surface Location

UL or lot no. C	Section 8	Township 22S	Range 32E	Lot Idn	Feet from the 804	North/South line NORTH	Feet from the 2239	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 32	Township 21S	Range 32E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1760	East/West line EAST	County LEA
¹² Dedicated Acres 639.34	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



¹⁷ OPERATOR
CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Kanicia Schlichting* Date: 6/14/23

Printed Name: Kanicia Schlichting

E-mail Address: kanicia.schlichting@permianres.com

¹⁸ SURVEYOR
CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 20, 2019
Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	AZ = 54.53°	1573.97'
L2	AZ = 359.85°	2542.03'
L3	AZ = 359.85°	2628.82'
L4	AZ = 359.85°	1321.48'
L5	AZ = 359.85°	1321.48'
L6	AZ = 359.85°	2540.69'

- = SURFACE HOLE LOCATION/PENETRATION POINT
- ◆ = FIRST TAKE POINT/LEASE PENETRATION POINT
- = LAST TAKE POINT/BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- == LEASE LINE



SCALE
DRAWN BY: D.M.C. 05-03-22
REV: 2 D.M.C. 05-10-23
(NAME CHANGE & WELL BORE CHANGES)

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
 - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

PERMIAN

R E S O U R C E S

NEW MEXICO

(SP) LEA

MOZZARELLA

MOZZARELLA FED COM 505H

OWB

Plan: PWP0

Standard Planning Report - Geographic

22 May, 2023

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	(SP) LEA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		MOZZARELLA			
Site Position:		Northing:	513,897.78 usft	Latitude:	32° 24' 40.216 N
From:	Map	Easting:	737,363.08 usft	Longitude:	103° 41' 53.243 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	MOZZARELLA FED COM 505H					
Well Position	+N/-S	0.0 usft	Northing:	513,897.78 usft	Latitude:	32° 24' 40.216 N
	+E/-W	0.0 usft	Easting:	737,363.08 usft	Longitude:	103° 41' 53.243 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,698.7 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.82	60.39	48,889.94425397

Design	PWP0			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	6.11

Plan Survey Tool Program	Date	5/22/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,076.2 PWP0 (OWB)	MWD	
			OWSG_Rev2_ MWD - Stand	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,123.0	0.00	0.00	10,123.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,872.3	90.00	47.15	10,600.0	324.4	349.7	12.01	12.01	0.00	47.15	
13,249.1	90.00	359.61	10,600.0	2,444.0	1,266.1	2.00	0.00	-2.00	-90.00	
22,076.2	90.00	359.61	10,600.0	11,270.9	1,206.5	0.00	0.00	0.00	0.00	MOZZARELLA FED C

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
100.0	0.00	0.00	100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
200.0	0.00	0.00	200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
300.0	0.00	0.00	300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
400.0	0.00	0.00	400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
500.0	0.00	0.00	500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
600.0	0.00	0.00	600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
700.0	0.00	0.00	700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
800.0	0.00	0.00	800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
900.0	0.00	0.00	900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,300.0	0.00	0.00	3,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,400.0	0.00	0.00	3,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,500.0	0.00	0.00	3,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,700.0	0.00	0.00	3,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,500.0	0.00	0.00	4,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,600.0	0.00	0.00	4,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,700.0	0.00	0.00	4,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,800.0	0.00	0.00	4,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W
5,400.0	0.00	0.00	5,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
10,123.0	0.00	0.00	10,123.0	0.0	0.0	513,897.78	737,363.08	32° 24' 40.216 N	103° 41' 53.243 W	
10,200.0	9.25	47.15	10,199.7	4.2	4.5	513,902.00	737,367.62	32° 24' 40.258 N	103° 41' 53.189 W	
10,300.0	21.26	47.15	10,296.0	22.1	23.8	513,919.86	737,386.88	32° 24' 40.433 N	103° 41' 52.963 W	
10,400.0	33.27	47.15	10,384.7	53.2	57.3	513,950.96	737,420.40	32° 24' 40.739 N	103° 41' 52.570 W	
10,500.0	45.28	47.15	10,462.0	96.2	103.7	513,993.94	737,466.73	32° 24' 41.162 N	103° 41' 52.027 W	
10,600.0	57.30	47.15	10,524.4	149.1	160.8	514,046.91	737,523.84	32° 24' 41.682 N	103° 41' 51.357 W	
10,700.0	69.31	47.15	10,569.2	209.8	226.1	514,107.55	737,589.21	32° 24' 42.279 N	103° 41' 50.590 W	
10,800.0	81.32	47.15	10,594.5	275.4	296.9	514,173.22	737,660.00	32° 24' 42.924 N	103° 41' 49.760 W	

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,872.0	89.97	47.15	10,600.0	324.2	349.5	514,222.00	737,712.58	32° 24' 43.404 N	103° 41' 49.143 W	
EOC										
10,872.3	90.00	47.15	10,600.0	324.4	349.7	514,222.18	737,712.78	32° 24' 43.406 N	103° 41' 49.141 W	
10,900.0	90.00	46.60	10,600.0	343.4	369.9	514,241.14	737,733.02	32° 24' 43.592 N	103° 41' 48.903 W	
11,000.0	90.00	44.60	10,600.0	413.3	441.4	514,311.11	737,804.46	32° 24' 44.280 N	103° 41' 48.065 W	
11,100.0	90.00	42.60	10,600.0	485.7	510.3	514,383.52	737,873.41	32° 24' 44.993 N	103° 41' 47.256 W	
11,200.0	90.00	40.60	10,600.0	560.5	576.7	514,458.31	737,939.79	32° 24' 45.729 N	103° 41' 46.476 W	
11,300.0	90.00	38.60	10,600.0	637.6	640.5	514,535.36	738,003.53	32° 24' 46.487 N	103° 41' 45.727 W	
11,400.0	90.00	36.60	10,600.0	716.8	701.5	514,614.59	738,064.53	32° 24' 47.268 N	103° 41' 45.010 W	
11,500.0	90.00	34.60	10,600.0	798.1	759.7	514,695.90	738,122.74	32° 24' 48.069 N	103° 41' 44.326 W	
11,600.0	90.00	32.60	10,600.0	881.4	815.0	514,779.19	738,178.07	32° 24' 48.890 N	103° 41' 43.674 W	
11,644.0	90.00	31.72	10,600.0	918.7	838.4	514,816.44	738,201.48	32° 24' 49.257 N	103° 41' 43.399 W	
FTP										
11,700.0	90.00	30.60	10,600.0	966.6	867.4	514,864.36	738,230.45	32° 24' 49.730 N	103° 41' 43.057 W	
11,800.0	90.00	28.60	10,600.0	1,053.5	916.8	514,951.31	738,279.84	32° 24' 50.587 N	103° 41' 42.475 W	
11,847.6	90.00	27.64	10,600.0	1,095.5	939.2	514,993.29	738,302.27	32° 24' 51.001 N	103° 41' 42.211 W	
MOZZARELLA FED COM 505H - FTP										
11,900.0	90.00	26.60	10,600.0	1,142.2	963.1	515,039.93	738,326.16	32° 24' 51.461 N	103° 41' 41.929 W	
12,000.0	90.00	24.60	10,600.0	1,232.3	1,006.3	515,130.11	738,369.36	32° 24' 52.351 N	103° 41' 41.418 W	
12,100.0	90.00	22.60	10,600.0	1,324.0	1,046.3	515,221.75	738,409.38	32° 24' 53.255 N	103° 41' 40.945 W	
12,200.0	90.00	20.60	10,600.0	1,416.9	1,083.1	515,314.73	738,446.19	32° 24' 54.173 N	103° 41' 40.509 W	
12,300.0	90.00	18.60	10,600.0	1,511.1	1,116.6	515,408.93	738,479.72	32° 24' 55.103 N	103° 41' 40.111 W	
12,400.0	90.00	16.60	10,600.0	1,606.5	1,146.9	515,504.25	738,509.95	32° 24' 56.045 N	103° 41' 39.752 W	
12,500.0	90.00	14.60	10,600.0	1,702.8	1,173.8	515,600.56	738,536.83	32° 24' 56.996 N	103° 41' 39.432 W	
12,600.0	90.00	12.60	10,600.0	1,800.0	1,197.3	515,697.75	738,560.34	32° 24' 57.957 N	103° 41' 39.151 W	
12,700.0	90.00	10.60	10,600.0	1,897.9	1,217.4	515,795.71	738,580.44	32° 24' 58.925 N	103° 41' 38.910 W	
12,800.0	90.00	8.60	10,600.0	1,996.5	1,234.0	515,894.30	738,597.11	32° 24' 59.899 N	103° 41' 38.708 W	
12,900.0	90.00	6.60	10,600.0	2,095.6	1,247.2	515,993.42	738,610.32	32° 25' 0.879 N	103° 41' 38.547 W	
13,000.0	90.00	4.60	10,600.0	2,195.2	1,257.0	516,092.94	738,620.07	32° 25' 1.864 N	103° 41' 38.426 W	
13,100.0	90.00	2.60	10,600.0	2,295.0	1,263.3	516,192.74	738,626.34	32° 25' 2.851 N	103° 41' 38.346 W	
13,200.0	90.00	0.60	10,600.0	2,394.9	1,266.1	516,292.69	738,629.13	32° 25' 3.840 N	103° 41' 38.307 W	
13,249.1	90.00	359.61	10,600.0	2,444.0	1,266.1	516,341.81	738,629.22	32° 25' 4.326 N	103° 41' 38.302 W	
13,300.0	90.00	359.61	10,600.0	2,494.9	1,265.8	516,392.69	738,628.87	32° 25' 4.829 N	103° 41' 38.303 W	
13,400.0	90.00	359.61	10,600.0	2,594.9	1,265.1	516,492.69	738,628.20	32° 25' 5.819 N	103° 41' 38.304 W	
13,500.0	90.00	359.61	10,600.0	2,694.9	1,264.4	516,592.69	738,627.52	32° 25' 6.808 N	103° 41' 38.305 W	
13,600.0	90.00	359.61	10,600.0	2,794.9	1,263.8	516,692.68	738,626.85	32° 25' 7.798 N	103° 41' 38.306 W	
13,700.0	90.00	359.61	10,600.0	2,894.9	1,263.1	516,792.68	738,626.17	32° 25' 8.787 N	103° 41' 38.307 W	
13,800.0	90.00	359.61	10,600.0	2,994.9	1,262.4	516,892.68	738,625.50	32° 25' 9.777 N	103° 41' 38.307 W	
13,900.0	90.00	359.61	10,600.0	3,094.9	1,261.7	516,992.68	738,624.82	32° 25' 10.766 N	103° 41' 38.308 W	
14,000.0	90.00	359.61	10,600.0	3,194.9	1,261.1	517,092.68	738,624.15	32° 25' 11.756 N	103° 41' 38.309 W	
14,100.0	90.00	359.61	10,600.0	3,294.9	1,260.4	517,192.67	738,623.47	32° 25' 12.745 N	103° 41' 38.310 W	
14,200.0	90.00	359.61	10,600.0	3,394.9	1,259.7	517,292.67	738,622.80	32° 25' 13.735 N	103° 41' 38.311 W	
14,265.0	90.00	359.61	10,600.0	3,459.9	1,259.3	517,357.67	738,622.36	32° 25' 14.378 N	103° 41' 38.312 W	
LPP 1										
14,300.0	90.00	359.61	10,600.0	3,494.9	1,259.0	517,392.67	738,622.12	32° 25' 14.724 N	103° 41' 38.312 W	
14,400.0	90.00	359.61	10,600.0	3,594.9	1,258.4	517,492.67	738,621.45	32° 25' 15.714 N	103° 41' 38.313 W	
14,500.0	90.00	359.61	10,600.0	3,694.9	1,257.7	517,592.66	738,620.77	32° 25' 16.703 N	103° 41' 38.314 W	
14,600.0	90.00	359.61	10,600.0	3,794.9	1,257.0	517,692.66	738,620.10	32° 25' 17.693 N	103° 41' 38.315 W	
14,700.0	90.00	359.61	10,600.0	3,894.9	1,256.3	517,792.66	738,619.42	32° 25' 18.683 N	103° 41' 38.315 W	
14,800.0	90.00	359.61	10,600.0	3,994.9	1,255.7	517,892.66	738,618.75	32° 25' 19.672 N	103° 41' 38.316 W	
14,900.0	90.00	359.61	10,600.0	4,094.9	1,255.0	517,992.65	738,618.07	32° 25' 20.662 N	103° 41' 38.317 W	
15,000.0	90.00	359.61	10,600.0	4,194.9	1,254.3	518,092.65	738,617.39	32° 25' 21.651 N	103° 41' 38.318 W	
15,100.0	90.00	359.61	10,600.0	4,294.9	1,253.6	518,192.65	738,616.72	32° 25' 22.641 N	103° 41' 38.319 W	
15,200.0	90.00	359.61	10,600.0	4,394.9	1,253.0	518,292.65	738,616.04	32° 25' 23.630 N	103° 41' 38.320 W	

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
15,300.0	90.00	359.61	10,600.0	4,494.9	1,252.3	518,392.65	738,615.37	32° 25' 24.620 N	103° 41' 38.321 W	
15,400.0	90.00	359.61	10,600.0	4,594.9	1,251.6	518,492.64	738,614.69	32° 25' 25.609 N	103° 41' 38.322 W	
15,500.0	90.00	359.61	10,600.0	4,694.9	1,250.9	518,592.64	738,614.02	32° 25' 26.599 N	103° 41' 38.323 W	
15,600.0	90.00	359.61	10,600.0	4,794.9	1,250.3	518,692.64	738,613.34	32° 25' 27.588 N	103° 41' 38.324 W	
15,700.0	90.00	359.61	10,600.0	4,894.9	1,249.6	518,792.64	738,612.67	32° 25' 28.578 N	103° 41' 38.324 W	
15,800.0	90.00	359.61	10,600.0	4,994.9	1,248.9	518,892.63	738,611.99	32° 25' 29.567 N	103° 41' 38.325 W	
15,900.0	90.00	359.61	10,600.0	5,094.9	1,248.2	518,992.63	738,611.32	32° 25' 30.557 N	103° 41' 38.326 W	
16,000.0	90.00	359.61	10,600.0	5,194.8	1,247.6	519,092.63	738,610.64	32° 25' 31.546 N	103° 41' 38.327 W	
16,100.0	90.00	359.61	10,600.0	5,294.8	1,246.9	519,192.63	738,609.97	32° 25' 32.536 N	103° 41' 38.328 W	
16,200.0	90.00	359.61	10,600.0	5,394.8	1,246.2	519,292.62	738,609.29	32° 25' 33.526 N	103° 41' 38.329 W	
16,300.0	90.00	359.61	10,600.0	5,494.8	1,245.5	519,392.62	738,608.62	32° 25' 34.515 N	103° 41' 38.330 W	
16,400.0	90.00	359.61	10,600.0	5,594.8	1,244.9	519,492.62	738,607.94	32° 25' 35.505 N	103° 41' 38.331 W	
16,500.0	90.00	359.61	10,600.0	5,694.8	1,244.2	519,592.62	738,607.27	32° 25' 36.494 N	103° 41' 38.332 W	
16,600.0	90.00	359.61	10,600.0	5,794.8	1,243.5	519,692.62	738,606.59	32° 25' 37.484 N	103° 41' 38.333 W	
16,700.0	90.00	359.61	10,600.0	5,894.8	1,242.8	519,792.61	738,605.92	32° 25' 38.473 N	103° 41' 38.333 W	
16,800.0	90.00	359.61	10,600.0	5,994.8	1,242.2	519,892.61	738,605.24	32° 25' 39.463 N	103° 41' 38.334 W	
16,893.0	90.00	359.61	10,600.0	6,087.8	1,241.5	519,985.61	738,604.61	32° 25' 40.383 N	103° 41' 38.335 W	
LPP 2										
16,900.0	90.00	359.61	10,600.0	6,094.8	1,241.5	519,992.61	738,604.57	32° 25' 40.452 N	103° 41' 38.335 W	
17,000.0	90.00	359.61	10,600.0	6,194.8	1,240.8	520,092.61	738,603.89	32° 25' 41.442 N	103° 41' 38.336 W	
17,100.0	90.00	359.61	10,600.0	6,294.8	1,240.1	520,192.60	738,603.22	32° 25' 42.431 N	103° 41' 38.337 W	
17,200.0	90.00	359.61	10,600.0	6,394.8	1,239.5	520,292.60	738,602.54	32° 25' 43.421 N	103° 41' 38.338 W	
17,300.0	90.00	359.61	10,600.0	6,494.8	1,238.8	520,392.60	738,601.87	32° 25' 44.410 N	103° 41' 38.339 W	
17,400.0	90.00	359.61	10,600.0	6,594.8	1,238.1	520,492.60	738,601.19	32° 25' 45.400 N	103° 41' 38.340 W	
17,500.0	90.00	359.61	10,600.0	6,694.8	1,237.4	520,592.60	738,600.51	32° 25' 46.389 N	103° 41' 38.341 W	
17,600.0	90.00	359.61	10,600.0	6,794.8	1,236.8	520,692.59	738,599.84	32° 25' 47.379 N	103° 41' 38.341 W	
17,700.0	90.00	359.61	10,600.0	6,894.8	1,236.1	520,792.59	738,599.16	32° 25' 48.368 N	103° 41' 38.342 W	
17,800.0	90.00	359.61	10,600.0	6,994.8	1,235.4	520,892.59	738,598.49	32° 25' 49.358 N	103° 41' 38.343 W	
17,900.0	90.00	359.61	10,600.0	7,094.8	1,234.7	520,992.59	738,597.81	32° 25' 50.348 N	103° 41' 38.344 W	
18,000.0	90.00	359.61	10,600.0	7,194.8	1,234.1	521,092.58	738,597.14	32° 25' 51.337 N	103° 41' 38.345 W	
18,100.0	90.00	359.61	10,600.0	7,294.8	1,233.4	521,192.58	738,596.46	32° 25' 52.327 N	103° 41' 38.346 W	
18,200.0	90.00	359.61	10,600.0	7,394.8	1,232.7	521,292.58	738,595.79	32° 25' 53.316 N	103° 41' 38.347 W	
18,215.0	90.00	359.61	10,600.0	7,409.8	1,232.6	521,307.58	738,595.69	32° 25' 53.465 N	103° 41' 38.347 W	
LPP 3										
18,300.0	90.00	359.61	10,600.0	7,494.8	1,232.0	521,392.58	738,595.11	32° 25' 54.306 N	103° 41' 38.348 W	
18,400.0	90.00	359.61	10,600.0	7,594.8	1,231.4	521,492.57	738,594.44	32° 25' 55.295 N	103° 41' 38.349 W	
18,500.0	90.00	359.61	10,600.0	7,694.8	1,230.7	521,592.57	738,593.76	32° 25' 56.285 N	103° 41' 38.350 W	
18,600.0	90.00	359.61	10,600.0	7,794.8	1,230.0	521,692.57	738,593.09	32° 25' 57.274 N	103° 41' 38.350 W	
18,700.0	90.00	359.61	10,600.0	7,894.8	1,229.3	521,792.57	738,592.41	32° 25' 58.264 N	103° 41' 38.351 W	
18,800.0	90.00	359.61	10,600.0	7,994.8	1,228.7	521,892.57	738,591.74	32° 25' 59.253 N	103° 41' 38.352 W	
18,900.0	90.00	359.61	10,600.0	8,094.8	1,228.0	521,992.56	738,591.06	32° 26' 0.243 N	103° 41' 38.353 W	
19,000.0	90.00	359.61	10,600.0	8,194.8	1,227.3	522,092.56	738,590.39	32° 26' 1.232 N	103° 41' 38.354 W	
19,100.0	90.00	359.61	10,600.0	8,294.8	1,226.6	522,192.56	738,589.71	32° 26' 2.222 N	103° 41' 38.355 W	
19,200.0	90.00	359.61	10,600.0	8,394.8	1,226.0	522,292.56	738,589.04	32° 26' 3.211 N	103° 41' 38.356 W	
19,300.0	90.00	359.61	10,600.0	8,494.8	1,225.3	522,392.55	738,588.36	32° 26' 4.201 N	103° 41' 38.357 W	
19,400.0	90.00	359.61	10,600.0	8,594.8	1,224.6	522,492.55	738,587.69	32° 26' 5.190 N	103° 41' 38.358 W	
19,500.0	90.00	359.61	10,600.0	8,694.8	1,223.9	522,592.55	738,587.01	32° 26' 6.180 N	103° 41' 38.358 W	
19,536.0	90.00	359.61	10,600.0	8,730.8	1,223.7	522,628.55	738,586.77	32° 26' 6.536 N	103° 41' 38.359 W	
LPP 4										
19,600.0	90.00	359.61	10,600.0	8,794.8	1,223.3	522,692.55	738,586.34	32° 26' 7.170 N	103° 41' 38.359 W	
19,700.0	90.00	359.61	10,600.0	8,894.8	1,222.6	522,792.55	738,585.66	32° 26' 8.159 N	103° 41' 38.360 W	
19,800.0	90.00	359.61	10,600.0	8,994.8	1,221.9	522,892.54	738,584.99	32° 26' 9.149 N	103° 41' 38.361 W	
19,900.0	90.00	359.61	10,600.0	9,094.8	1,221.2	522,992.54	738,584.31	32° 26' 10.138 N	103° 41' 38.362 W	
20,000.0	90.00	359.61	10,600.0	9,194.8	1,220.6	523,092.54	738,583.63	32° 26' 11.128 N	103° 41' 38.363 W	

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.7usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.7usft
Site:	MOZZARELLA	North Reference:	Grid
Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
20,100.0	90.00	359.61	10,600.0	9,294.8	1,219.9	523,192.54	738,582.96	32° 26' 12.117 N	103° 41' 38.364 W	
20,200.0	90.00	359.61	10,600.0	9,394.8	1,219.2	523,292.53	738,582.28	32° 26' 13.107 N	103° 41' 38.365 W	
20,300.0	90.00	359.61	10,600.0	9,494.7	1,218.5	523,392.53	738,581.61	32° 26' 14.096 N	103° 41' 38.366 W	
20,400.0	90.00	359.61	10,600.0	9,594.7	1,217.9	523,492.53	738,580.93	32° 26' 15.086 N	103° 41' 38.367 W	
20,500.0	90.00	359.61	10,600.0	9,694.7	1,217.2	523,592.53	738,580.26	32° 26' 16.075 N	103° 41' 38.367 W	
20,600.0	90.00	359.61	10,600.0	9,794.7	1,216.5	523,692.52	738,579.58	32° 26' 17.065 N	103° 41' 38.368 W	
20,700.0	90.00	359.61	10,600.0	9,894.7	1,215.8	523,792.52	738,578.91	32° 26' 18.054 N	103° 41' 38.369 W	
20,800.0	90.00	359.61	10,600.0	9,994.7	1,215.2	523,892.52	738,578.23	32° 26' 19.044 N	103° 41' 38.370 W	
20,900.0	90.00	359.61	10,600.0	10,094.7	1,214.5	523,992.52	738,577.56	32° 26' 20.033 N	103° 41' 38.371 W	
21,000.0	90.00	359.61	10,600.0	10,194.7	1,213.8	524,092.52	738,576.88	32° 26' 21.023 N	103° 41' 38.372 W	
21,100.0	90.00	359.61	10,600.0	10,294.7	1,213.1	524,192.51	738,576.21	32° 26' 22.012 N	103° 41' 38.373 W	
21,200.0	90.00	359.61	10,600.0	10,394.7	1,212.5	524,292.51	738,575.53	32° 26' 23.002 N	103° 41' 38.374 W	
21,300.0	90.00	359.61	10,600.0	10,494.7	1,211.8	524,392.51	738,574.86	32° 26' 23.992 N	103° 41' 38.375 W	
21,400.0	90.00	359.61	10,600.0	10,594.7	1,211.1	524,492.51	738,574.18	32° 26' 24.981 N	103° 41' 38.375 W	
21,500.0	90.00	359.61	10,600.0	10,694.7	1,210.4	524,592.50	738,573.51	32° 26' 25.971 N	103° 41' 38.376 W	
21,600.0	90.00	359.61	10,600.0	10,794.7	1,209.8	524,692.50	738,572.83	32° 26' 26.960 N	103° 41' 38.377 W	
21,700.0	90.00	359.61	10,600.0	10,894.7	1,209.1	524,792.50	738,572.16	32° 26' 27.950 N	103° 41' 38.378 W	
21,800.0	90.00	359.61	10,600.0	10,994.7	1,208.4	524,892.50	738,571.48	32° 26' 28.939 N	103° 41' 38.379 W	
21,900.0	90.00	359.61	10,600.0	11,094.7	1,207.7	524,992.50	738,570.81	32° 26' 29.929 N	103° 41' 38.380 W	
22,000.0	90.00	359.61	10,600.0	11,194.7	1,207.1	525,092.49	738,570.13	32° 26' 30.918 N	103° 41' 38.381 W	
22,076.2	90.00	359.61	10,600.0	11,270.9	1,206.5	525,168.68	738,569.62	32° 26' 31.672 N	103° 41' 38.382 W	
LTP/BHL - MOZZARELLA FED COM 505H - LTP/BHL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
MOZZARELLA FED CO	0.00	0.00	10,600.0	11,270.9	1,206.5	525,168.68	738,569.62	32° 26' 31.672 N	103° 41' 38.382 W	
- plan hits target center										
- Point										
MOZZARELLA FED CO	0.00	0.00	10,600.0	918.5	1,277.8	514,816.30	738,640.88	32° 24' 49.230 N	103° 41' 38.273 W	
- plan misses target center by 382.1usft at 11847.6usft MD (10600.0 TVD, 1095.5 N, 939.2 E)										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,872.0	10,600.0	324.2	349.5	EOC	
11,644.0	10,600.0	918.7	838.4	FTP	
14,265.0	10,600.0	3,459.9	1,259.3	LPP 1	
16,893.0	10,600.0	6,087.8	1,241.5	LPP 2	
18,215.0	10,600.0	7,409.8	1,232.6	LPP 3	
19,536.0	10,600.0	8,730.8	1,223.7	LPP 4	
22,076.2	10,600.0	11,270.9	1,206.5	LTP/BHL	

PERMIAN

R E S O U R C E S

NEW MEXICO

(SP) LEA

MOZZARELLA

MOZZARELLA FED COM 505H

OWB

PWP0

Anticollision Summary Report

22 May, 2023

PERMIAN

RESOURCES

Permian Resources

Anticollision Summary Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.7usft
Reference Site:	MOZZARELLA	MD Reference:	GL @ 3698.7usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	5/22/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	22,076.2	PWP0 (OWB)	MWD	OWSG_Rev2_ MWD - Standard	

Summary							
Site Name	Reference	Offset	Distance		Separation	Warning	
	Measured	Measured	Between	Between			
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor		
MOZZARELLA							
MOZZARELLA FED COM 302H - OWB - PWP0	9,296.8	9,298.1	89.8	23.1	1.347	Level 3, CC	
MOZZARELLA FED COM 302H - OWB - PWP0	9,300.0	9,301.3	89.8	23.1	1.347	Level 3, ES, SF	
MOZZARELLA FED COM 402H - OWB - PWP0	9,654.5	9,656.5	23.6	-45.6	0.341	Level 3, CC, ES, SF	
MOZZARELLA FED COM 504H - OWB - PWP0	10,123.2	10,123.5	60.0	-12.6	0.827	Level 3, CC	
MOZZARELLA FED COM 504H - OWB - PWP0	10,125.0	10,125.4	60.0	-12.6	0.826	Level 3, ES, SF	

PERMIAN

RESOURCES

Permian Resources

Anticollision Summary Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.7usft
Reference Site:	MOZZARELLA	MD Reference:	GL @ 3698.7usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL @ 3698.7usft

Offset Depths are relative to Offset Datum

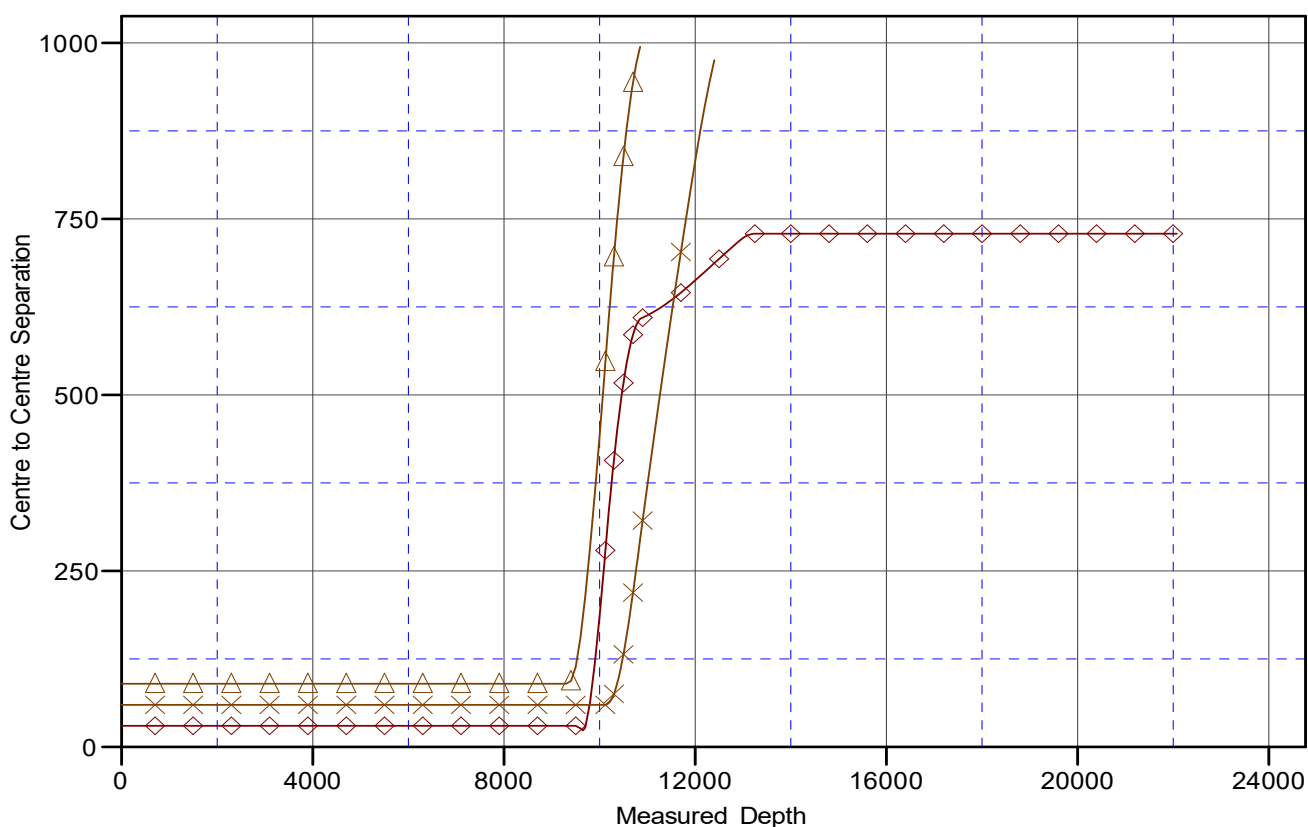
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MOZZARELLA FED COM 505H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.34°

Ladder Plot



LEGEND

—▲— MOZZARELLA FED COM 302H, OWB, PWP0 V0
 —◆— MOZZARELLA FED COM 402H, OWB, PWP0 V0
 —×— MOZZARELLA FED COM 505H, OWB, PWP0 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

PERMIAN

RESOURCES

Permian Resources

Anticollision Summary Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well MOZZARELLA FED COM 505H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.7usft
Reference Site:	MOZZARELLA	MD Reference:	GL @ 3698.7usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MOZZARELLA FED COM 505H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL @ 3698.7usft

Offset Depths are relative to Offset Datum

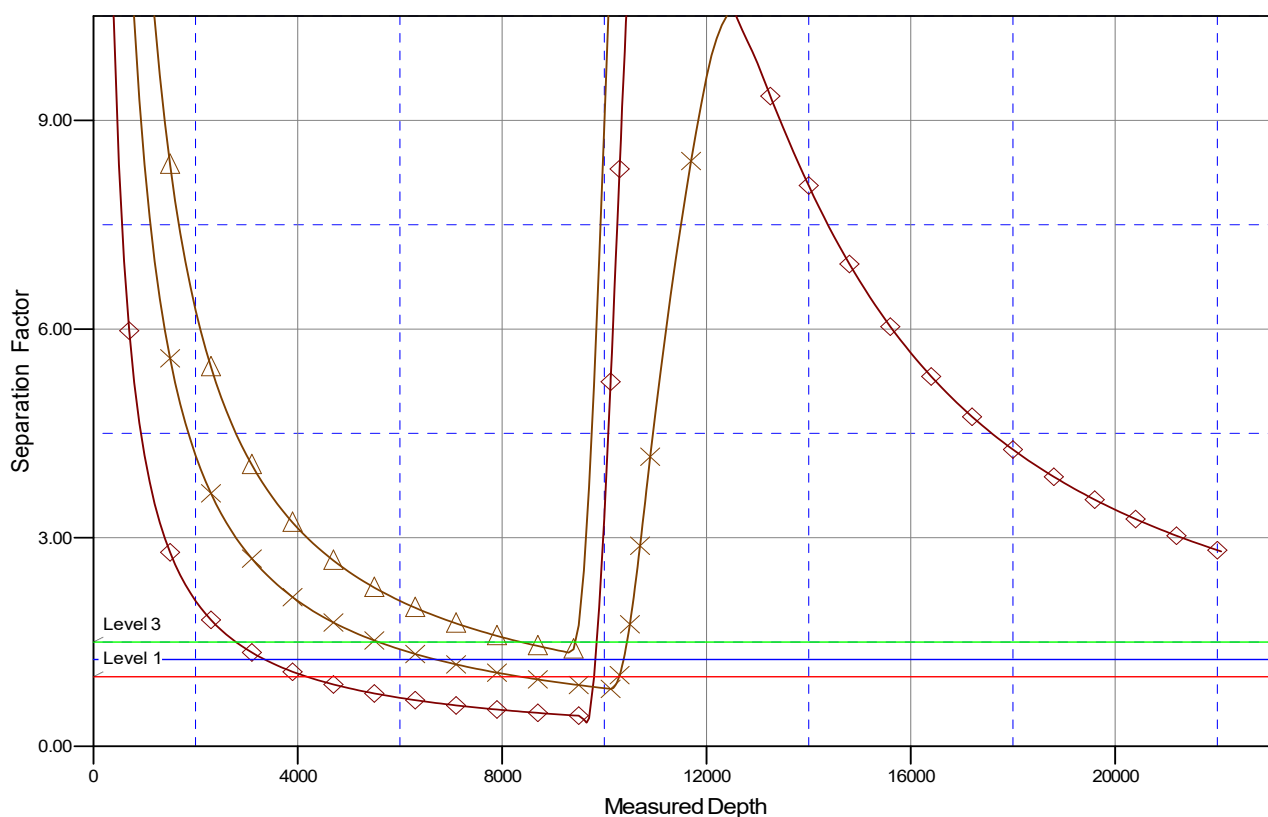
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MOZZARELLA FED COM 505H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.34°

Separation Factor Plot



LEGEND

MOZZARELLA FED COM 302H, OWB, PWP0 V0 MOZZARELLA FED COM 402H, OWB, PWP0 V0 MOZZARELLA FED COM 506H, OWB, PWP0 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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

CONDITIONS

Action 229240

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 229240
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	6/26/2023