

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.
		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 recompleate 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 perfonned 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 recompletion 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

To: 100 FNL & 330 FEL

TD/TVD Change: From: 20,785 TD, 10,624 TVD

To: 20,208 TD, 10,000 TVD

Please see attached C102 & location layout plats and directional survey.

Location of Well

0. SHL: SESE / 757 FSL / 1075 FEL / TWSP: 22S / RANGE: 32E / SECTION: 5 / LAT: 32.41549 / LONG: -103.691748 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 2628 FNL / 1371 FEL / TWSP: 22S / RANGE: 32E / SECTION: 5 / LAT: 32.420668 / LONG: -103.692714 (TVD: 10624 feet, MD: 12700 feet)

PPP: SWSE / 100 FSL / 1371 FEL / TWSP: 22S / RANGE: 32E / SECTION: 5 / LAT: 32.41368 / LONG: -103.692704 (TVD: 10051 feet, MD: 10105 feet)

BHL: NWNE / 100 FNL / 1371 FEL / TWSP: 21S / RANGE: 32E / SECTION: 32 / LAT: 32.442136 / LONG: -103.692734 (TVD: 10624 feet, MD: 20785 feet)

Kanicia Schlichting

From: Ashley Brown
Sent: Monday, May 8, 2023 4:05 PM
To: kwatland@blm.gov
Cc: Sarah Ferreyros; Kanicia Schlichting
Subject: Sundry ID 2708999

*Not sure why this name was changed.
We had this sundry canceled. Please
see next page.

Keely,

We submitted an APD change sundry to change the Gouda 5 Federal Com 505H to the Mozzarella Federal Com 505H (Sundry ID 2708999) on 12/29/22 and it has not been approved. Our Development Team has changed the SHL and BHL for this well so we will need to submit another APD change sundry, can you please cancel Sundry ID 2708999 to avoid any confusion with the well name changes?



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

05/08/2023

Well Name: MOZARELLA COM
505H

Well Location: T22S / R32E / SEC
5 / SESE /

County or Parish/State:

Well Number: 505H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM131588

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002550329

Well Status: Approved Application
for Permit to Drill

Operator: CENTENNIAL
RESOURCE PRODUCTION LLC

Notice of Intent

Sundry ID: 2708999

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/29/2022

Time Sundry Submitted: 03:19

Date proposed operation will begin:
12/29/2022

Procedure Description: Centennial Resource Production, LLC respectfully requests to change the well name from the Gouda 5 Federal Com 505H to the Mozzarella Federal Com 505H. Please see attached updated plat.

NOI Attachments

Procedure Description

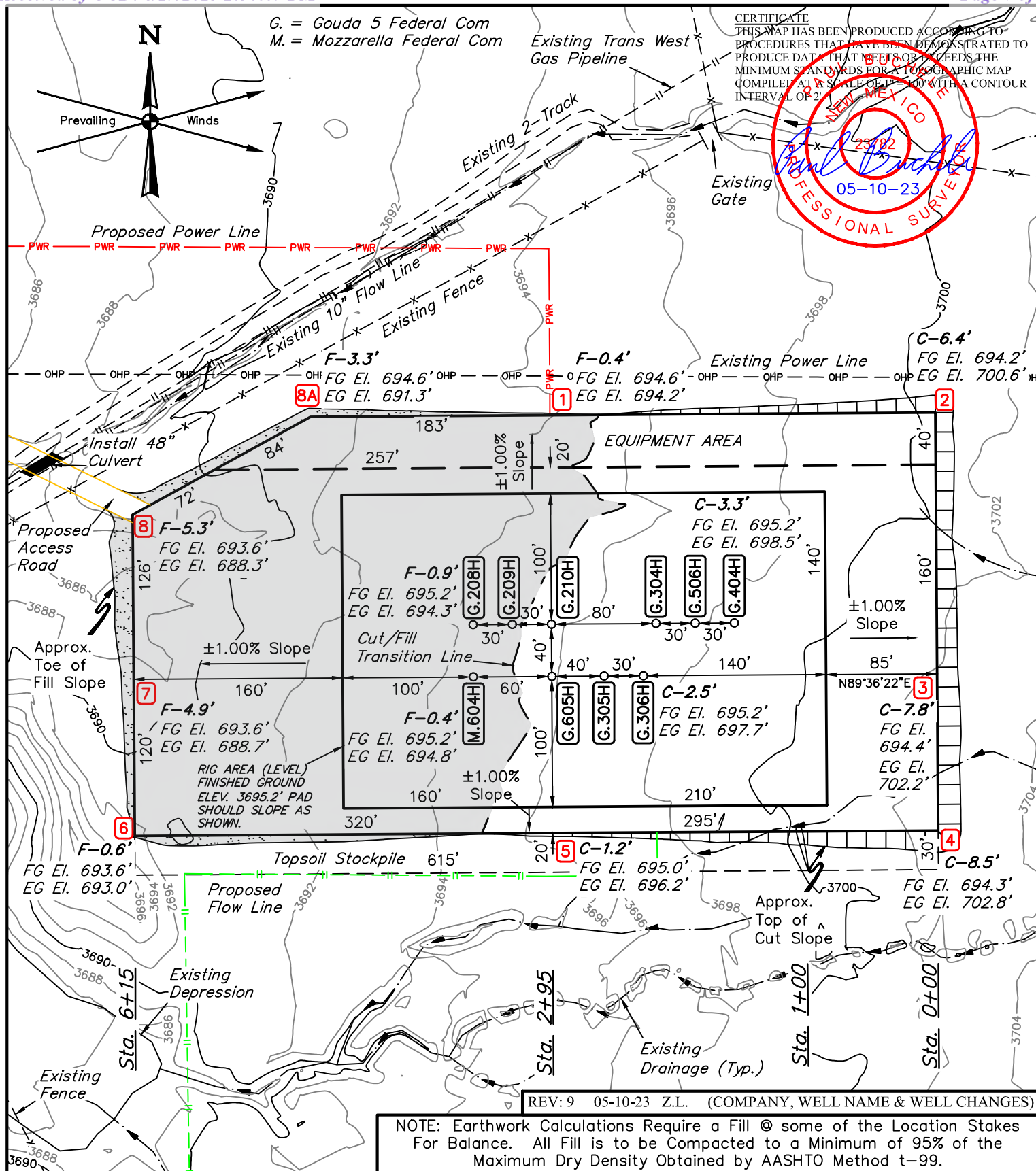
[Mozzarella 505H Permit Plat fka Gouda 505H 20221229151840.pdf](#)

Thank you,
Ashley

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Ashley Brown | Senior Regulatory Analyst
O 432.400.2972 | M 432.599.5624 | Ashley.Brown@permianres.com
300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701
permianres.com

Permian Resources is a result of the merger of Centennial Resource Development and Colgate Energy effective September 1, 2022.

**NOTES:**

- Contours shown at 2' intervals.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Cut/Fill Slopes are 2:1 (Typ.)
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

PERMIAN RESOURCES OPERATING, LLC

GOUDA 5 FEDERAL COM SESE 1
SE 1/4 SE 1/4, SECTION 5, T22S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	S.L., C.H.	06-13-19	SCALE
DRAWN BY	J.N.	06-17-19	1" = 100'
LOCATION LAYOUT		FIGURE #1	

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R E S O U R C E S

NEW MEXICO

(SP) LEA

GOUDA

GOUDA FED COM 404H

OWB

Plan: PWP0

Standard Planning Report - Geographic

22 May, 2023

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Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	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		GOUDA				
Site Position:		Northing:	515,520.25 usft	Latitude:	32° 24' 56.157 N	
From:	Map	Easting:	739,290.58 usft	Longitude:	103° 41' 30.645 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	GOUDA FED COM 404H					
Well Position	+N/-S	0.0 usft	Northing:	515,520.92 usft	Latitude:	32° 24' 56.160 N
	+E/-W	0.0 usft	Easting:	739,350.57 usft	Longitude:	103° 41' 29.945 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,698.5 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.82	60.40	48,893.34294991

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	3.84

Plan Survey Tool Program			Date	5/22/2023	
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	20,207.8 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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.0	8.00	133.74	2,398.7	-19.3	20.1	2.00	2.00	0.00	133.74	
9,090.0	8.00	133.74	9,023.6	-663.0	692.8	0.00	0.00	0.00	0.00	
9,490.0	0.00	0.00	9,422.3	-682.3	713.0	2.00	-2.00	0.00	180.00	
9,590.0	0.00	0.00	9,522.3	-682.3	713.0	0.00	0.00	0.00	0.00	
10,340.4	90.00	0.40	10,000.0	-204.6	716.3	11.99	11.99	0.00	0.40	
10,380.1	90.00	359.61	10,000.0	-164.9	716.3	2.00	0.00	-2.00	-90.00	
20,207.9	90.00	359.61	10,000.0	9,662.7	648.7	0.00	0.00	0.00	0.00	GOUDA FED COM 404H

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Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	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	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
100.0	0.00	0.00	100.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
200.0	0.00	0.00	200.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
300.0	0.00	0.00	300.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
400.0	0.00	0.00	400.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
500.0	0.00	0.00	500.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
600.0	0.00	0.00	600.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
700.0	0.00	0.00	700.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
800.0	0.00	0.00	800.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
900.0	0.00	0.00	900.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	515,520.92	739,350.57	32° 24' 56.160 N	103° 41' 29.945 W
2,100.0	2.00	133.74	2,100.0	-1.2	1.3	515,519.71	739,351.83	32° 24' 56.148 N	103° 41' 29.930 W
2,200.0	4.00	133.74	2,199.8	-4.8	5.0	515,516.10	739,355.61	32° 24' 56.112 N	103° 41' 29.886 W
2,300.0	6.00	133.74	2,299.5	-10.9	11.3	515,510.07	739,361.90	32° 24' 56.052 N	103° 41' 29.813 W
2,400.0	8.00	133.74	2,398.7	-19.3	20.1	515,501.65	739,370.71	32° 24' 55.968 N	103° 41' 29.711 W
2,500.0	8.00	133.74	2,497.7	-28.9	30.2	515,492.02	739,380.76	32° 24' 55.872 N	103° 41' 29.595 W
2,600.0	8.00	133.74	2,596.8	-38.5	40.3	515,482.40	739,390.82	32° 24' 55.776 N	103° 41' 29.478 W
2,700.0	8.00	133.74	2,695.8	-48.1	50.3	515,472.78	739,400.87	32° 24' 55.681 N	103° 41' 29.361 W
2,800.0	8.00	133.74	2,794.8	-57.8	60.4	515,463.16	739,410.93	32° 24' 55.585 N	103° 41' 29.245 W
2,900.0	8.00	133.74	2,893.8	-67.4	70.4	515,453.53	739,420.98	32° 24' 55.489 N	103° 41' 29.128 W
3,000.0	8.00	133.74	2,992.9	-77.0	80.5	515,443.91	739,431.04	32° 24' 55.393 N	103° 41' 29.011 W
3,100.0	8.00	133.74	3,091.9	-86.6	90.5	515,434.29	739,441.09	32° 24' 55.297 N	103° 41' 28.895 W
3,200.0	8.00	133.74	3,190.9	-96.3	100.6	515,424.67	739,451.15	32° 24' 55.202 N	103° 41' 28.778 W
3,300.0	8.00	133.74	3,289.9	-105.9	110.6	515,415.05	739,461.20	32° 24' 55.106 N	103° 41' 28.662 W
3,400.0	8.00	133.74	3,389.0	-115.5	120.7	515,405.42	739,471.26	32° 24' 55.010 N	103° 41' 28.545 W
3,500.0	8.00	133.74	3,488.0	-125.1	130.7	515,395.80	739,481.31	32° 24' 54.914 N	103° 41' 28.428 W
3,600.0	8.00	133.74	3,587.0	-134.7	140.8	515,386.18	739,491.37	32° 24' 54.818 N	103° 41' 28.312 W
3,700.0	8.00	133.74	3,686.0	-144.4	150.9	515,376.56	739,501.42	32° 24' 54.723 N	103° 41' 28.195 W
3,800.0	8.00	133.74	3,785.1	-154.0	160.9	515,366.93	739,511.48	32° 24' 54.627 N	103° 41' 28.078 W
3,900.0	8.00	133.74	3,884.1	-163.6	171.0	515,357.31	739,521.53	32° 24' 54.531 N	103° 41' 27.962 W
4,000.0	8.00	133.74	3,983.1	-173.2	181.0	515,347.69	739,531.59	32° 24' 54.435 N	103° 41' 27.845 W
4,100.0	8.00	133.74	4,082.2	-182.9	191.1	515,338.07	739,541.65	32° 24' 54.339 N	103° 41' 27.729 W
4,200.0	8.00	133.74	4,181.2	-192.5	201.1	515,328.45	739,551.70	32° 24' 54.244 N	103° 41' 27.612 W
4,300.0	8.00	133.74	4,280.2	-202.1	211.2	515,318.82	739,561.76	32° 24' 54.148 N	103° 41' 27.495 W
4,400.0	8.00	133.74	4,379.2	-211.7	221.2	515,309.20	739,571.81	32° 24' 54.052 N	103° 41' 27.379 W
4,500.0	8.00	133.74	4,478.3	-221.3	231.3	515,299.58	739,581.87	32° 24' 53.956 N	103° 41' 27.262 W
4,600.0	8.00	133.74	4,577.3	-231.0	241.4	515,289.96	739,591.92	32° 24' 53.860 N	103° 41' 27.145 W
4,700.0	8.00	133.74	4,676.3	-240.6	251.4	515,280.33	739,601.98	32° 24' 53.764 N	103° 41' 27.029 W
4,800.0	8.00	133.74	4,775.3	-250.2	261.5	515,270.71	739,612.03	32° 24' 53.669 N	103° 41' 26.912 W
4,900.0	8.00	133.74	4,874.4	-259.8	271.5	515,261.09	739,622.09	32° 24' 53.573 N	103° 41' 26.796 W
5,000.0	8.00	133.74	4,973.4	-269.5	281.6	515,251.47	739,632.14	32° 24' 53.477 N	103° 41' 26.679 W
5,100.0	8.00	133.74	5,072.4	-279.1	291.6	515,241.85	739,642.20	32° 24' 53.381 N	103° 41' 26.562 W
5,200.0	8.00	133.74	5,171.5	-288.7	301.7	515,232.22	739,652.25	32° 24' 53.285 N	103° 41' 26.446 W
5,300.0	8.00	133.74	5,270.5	-298.3	311.7	515,222.60	739,662.31	32° 24' 53.190 N	103° 41' 26.329 W
5,400.0	8.00	133.74	5,369.5	-307.9	321.8	515,212.98	739,672.36	32° 24' 53.094 N	103° 41' 26.213 W

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Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	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	8.00	133.74	5,468.5	-317.6	331.8	515,203.36	739,682.42	32° 24' 52.998 N	103° 41' 26.096 W
5,600.0	8.00	133.74	5,567.6	-327.2	341.9	515,193.73	739,692.47	32° 24' 52.902 N	103° 41' 25.979 W
5,700.0	8.00	133.74	5,666.6	-336.8	352.0	515,184.11	739,702.53	32° 24' 52.806 N	103° 41' 25.863 W
5,800.0	8.00	133.74	5,765.6	-346.4	362.0	515,174.49	739,712.58	32° 24' 52.711 N	103° 41' 25.746 W
5,900.0	8.00	133.74	5,864.6	-356.1	372.1	515,164.87	739,722.64	32° 24' 52.615 N	103° 41' 25.629 W
6,000.0	8.00	133.74	5,963.7	-365.7	382.1	515,155.24	739,732.69	32° 24' 52.519 N	103° 41' 25.513 W
6,100.0	8.00	133.74	6,062.7	-375.3	392.2	515,145.62	739,742.75	32° 24' 52.423 N	103° 41' 25.396 W
6,200.0	8.00	133.74	6,161.7	-384.9	402.2	515,136.00	739,752.80	32° 24' 52.327 N	103° 41' 25.280 W
6,300.0	8.00	133.74	6,260.7	-394.5	412.3	515,126.38	739,762.86	32° 24' 52.231 N	103° 41' 25.163 W
6,400.0	8.00	133.74	6,359.8	-404.2	422.3	515,116.76	739,772.91	32° 24' 52.136 N	103° 41' 25.046 W
6,500.0	8.00	133.74	6,458.8	-413.8	432.4	515,107.13	739,782.97	32° 24' 52.040 N	103° 41' 24.930 W
6,600.0	8.00	133.74	6,557.8	-423.4	442.5	515,097.51	739,793.02	32° 24' 51.944 N	103° 41' 24.813 W
6,700.0	8.00	133.74	6,656.9	-433.0	452.5	515,087.89	739,803.08	32° 24' 51.848 N	103° 41' 24.696 W
6,800.0	8.00	133.74	6,755.9	-442.7	462.6	515,078.27	739,813.13	32° 24' 51.752 N	103° 41' 24.580 W
6,900.0	8.00	133.74	6,854.9	-452.3	472.6	515,068.64	739,823.19	32° 24' 51.657 N	103° 41' 24.463 W
7,000.0	8.00	133.74	6,953.9	-461.9	482.7	515,059.02	739,833.24	32° 24' 51.561 N	103° 41' 24.347 W
7,100.0	8.00	133.74	7,053.0	-471.5	492.7	515,049.40	739,843.30	32° 24' 51.465 N	103° 41' 24.230 W
7,200.0	8.00	133.74	7,152.0	-481.1	502.8	515,039.78	739,853.35	32° 24' 51.369 N	103° 41' 24.113 W
7,300.0	8.00	133.74	7,251.0	-490.8	512.8	515,030.16	739,863.41	32° 24' 51.273 N	103° 41' 23.997 W
7,400.0	8.00	133.74	7,350.0	-500.4	522.9	515,020.53	739,873.46	32° 24' 51.178 N	103° 41' 23.880 W
7,500.0	8.00	133.74	7,449.1	-510.0	532.9	515,010.91	739,883.52	32° 24' 51.082 N	103° 41' 23.763 W
7,600.0	8.00	133.74	7,548.1	-519.6	543.0	515,001.29	739,893.57	32° 24' 50.986 N	103° 41' 23.647 W
7,700.0	8.00	133.74	7,647.1	-529.3	553.1	514,991.67	739,903.63	32° 24' 50.890 N	103° 41' 23.530 W
7,800.0	8.00	133.74	7,746.1	-538.9	563.1	514,982.04	739,913.68	32° 24' 50.794 N	103° 41' 23.414 W
7,900.0	8.00	133.74	7,845.2	-548.5	573.2	514,972.42	739,923.74	32° 24' 50.698 N	103° 41' 23.297 W
8,000.0	8.00	133.74	7,944.2	-558.1	583.2	514,962.80	739,933.79	32° 24' 50.603 N	103° 41' 23.180 W
8,100.0	8.00	133.74	8,043.2	-567.7	593.3	514,953.18	739,943.85	32° 24' 50.507 N	103° 41' 23.064 W
8,200.0	8.00	133.74	8,142.3	-577.4	603.3	514,943.56	739,953.90	32° 24' 50.411 N	103° 41' 22.947 W
8,300.0	8.00	133.74	8,241.3	-587.0	613.4	514,933.93	739,963.96	32° 24' 50.315 N	103° 41' 22.831 W
8,400.0	8.00	133.74	8,340.3	-596.6	623.4	514,924.31	739,974.01	32° 24' 50.219 N	103° 41' 22.714 W
8,500.0	8.00	133.74	8,439.3	-606.2	633.5	514,914.69	739,984.07	32° 24' 50.124 N	103° 41' 22.597 W
8,600.0	8.00	133.74	8,538.4	-615.9	643.6	514,905.07	739,994.12	32° 24' 50.028 N	103° 41' 22.481 W
8,700.0	8.00	133.74	8,637.4	-625.5	653.6	514,895.44	740,004.18	32° 24' 49.932 N	103° 41' 22.364 W
8,800.0	8.00	133.74	8,736.4	-635.1	663.7	514,885.82	740,014.23	32° 24' 49.836 N	103° 41' 22.247 W
8,900.0	8.00	133.74	8,835.4	-644.7	673.7	514,876.20	740,024.29	32° 24' 49.740 N	103° 41' 22.131 W
9,000.0	8.00	133.74	8,934.5	-654.3	683.8	514,866.58	740,034.34	32° 24' 49.645 N	103° 41' 22.014 W
9,090.0	8.00	133.74	9,023.6	-663.0	692.8	514,857.92	740,043.39	32° 24' 49.558 N	103° 41' 21.909 W
9,100.0	7.80	133.74	9,033.5	-664.0	693.8	514,856.97	740,044.38	32° 24' 49.549 N	103° 41' 21.898 W
9,200.0	5.80	133.74	9,132.8	-672.1	702.4	514,848.78	740,052.94	32° 24' 49.467 N	103° 41' 21.798 W
9,300.0	3.80	133.74	9,232.4	-677.9	708.4	514,843.00	740,058.98	32° 24' 49.410 N	103° 41' 21.728 W
9,400.0	1.80	133.74	9,332.3	-681.3	711.9	514,839.62	740,062.51	32° 24' 49.376 N	103° 41' 21.687 W
9,490.0	0.00	0.00	9,422.3	-682.3	713.0	514,838.64	740,063.53	32° 24' 49.366 N	103° 41' 21.676 W
9,500.0	0.00	0.00	9,432.3	-682.3	713.0	514,838.64	740,063.53	32° 24' 49.366 N	103° 41' 21.676 W
9,590.0	0.00	0.00	9,522.3	-682.3	713.0	514,838.64	740,063.53	32° 24' 49.366 N	103° 41' 21.676 W
9,600.0	1.20	0.40	9,532.3	-682.2	713.0	514,838.75	740,063.54	32° 24' 49.367 N	103° 41' 21.676 W
9,700.0	13.19	0.40	9,631.3	-669.7	713.1	514,851.25	740,063.62	32° 24' 49.491 N	103° 41' 21.674 W
9,800.0	25.19	0.40	9,725.6	-636.9	713.3	514,884.06	740,063.85	32° 24' 49.816 N	103° 41' 21.669 W
9,900.0	37.18	0.40	9,811.0	-585.2	713.6	514,935.74	740,064.21	32° 24' 50.327 N	103° 41' 21.661 W
9,966.8	45.20	0.40	9,861.2	-541.2	714.0	514,979.71	740,064.52	32° 24' 50.762 N	103° 41' 21.654 W
GOUDA FED COM 404H - FTP									
10,000.0	49.18	0.40	9,883.8	-516.9	714.1	515,004.04	740,064.69	32° 24' 51.003 N	103° 41' 21.651 W
10,100.0	61.17	0.40	9,940.8	-434.9	714.7	515,085.98	740,065.26	32° 24' 51.814 N	103° 41' 21.638 W
10,200.0	73.16	0.40	9,979.5	-342.9	715.3	515,177.97	740,065.90	32° 24' 52.724 N	103° 41' 21.624 W
10,300.0	85.16	0.40	9,998.3	-244.9	716.0	515,276.01	740,066.59	32° 24' 53.694 N	103° 41' 21.609 W

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RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	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
10,340.0	89.96	0.40	10,000.0	-205.0	716.3	515,315.96	740,066.87	32° 24' 54.089 N	103° 41' 21.603 W
EOC/FTP									
10,340.4	90.00	0.40	10,000.0	-204.6	716.3	515,316.33	740,066.87	32° 24' 54.093 N	103° 41' 21.603 W
10,380.1	90.00	359.61	10,000.0	-164.9	716.3	515,356.03	740,066.87	32° 24' 54.486 N	103° 41' 21.600 W
10,400.0	90.00	359.61	10,000.0	-145.0	716.2	515,375.96	740,066.73	32° 24' 54.683 N	103° 41' 21.601 W
10,500.0	90.00	359.61	10,000.0	-45.0	715.5	515,475.96	740,066.05	32° 24' 55.673 N	103° 41' 21.601 W
10,600.0	90.00	359.61	10,000.0	55.0	714.8	515,575.95	740,065.36	32° 24' 56.662 N	103° 41' 21.602 W
10,700.0	90.00	359.61	10,000.0	155.0	714.1	515,675.95	740,064.67	32° 24' 57.652 N	103° 41' 21.603 W
10,800.0	90.00	359.61	10,000.0	255.0	713.4	515,775.95	740,063.98	32° 24' 58.641 N	103° 41' 21.604 W
10,900.0	90.00	359.61	10,000.0	355.0	712.7	515,875.95	740,063.30	32° 24' 59.631 N	103° 41' 21.605 W
11,000.0	90.00	359.61	10,000.0	455.0	712.0	515,975.94	740,062.61	32° 25' 0.620 N	103° 41' 21.606 W
11,100.0	90.00	359.61	10,000.0	555.0	711.4	516,075.94	740,061.92	32° 25' 1.610 N	103° 41' 21.607 W
11,200.0	90.00	359.61	10,000.0	655.0	710.7	516,175.94	740,061.23	32° 25' 2.599 N	103° 41' 21.608 W
11,300.0	90.00	359.61	10,000.0	755.0	710.0	516,275.94	740,060.55	32° 25' 3.589 N	103° 41' 21.609 W
11,400.0	90.00	359.61	10,000.0	855.0	709.3	516,375.93	740,059.86	32° 25' 4.578 N	103° 41' 21.610 W
11,500.0	90.00	359.61	10,000.0	955.0	708.6	516,475.93	740,059.17	32° 25' 5.568 N	103° 41' 21.611 W
11,600.0	90.00	359.61	10,000.0	1,055.0	707.9	516,575.93	740,058.48	32° 25' 6.557 N	103° 41' 21.612 W
11,700.0	90.00	359.61	10,000.0	1,155.0	707.2	516,675.93	740,057.80	32° 25' 7.547 N	103° 41' 21.613 W
11,800.0	90.00	359.61	10,000.0	1,255.0	706.5	516,775.92	740,057.11	32° 25' 8.536 N	103° 41' 21.614 W
11,900.0	90.00	359.61	10,000.0	1,355.0	705.9	516,875.92	740,056.42	32° 25' 9.526 N	103° 41' 21.615 W
12,000.0	90.00	359.61	10,000.0	1,455.0	705.2	516,975.92	740,055.73	32° 25' 10.515 N	103° 41' 21.616 W
12,100.0	90.00	359.61	10,000.0	1,555.0	704.5	517,075.92	740,055.05	32° 25' 11.505 N	103° 41' 21.617 W
12,200.0	90.00	359.61	10,000.0	1,655.0	703.8	517,175.92	740,054.36	32° 25' 12.495 N	103° 41' 21.618 W
12,300.0	90.00	359.61	10,000.0	1,755.0	703.1	517,275.91	740,053.67	32° 25' 13.484 N	103° 41' 21.619 W
12,399.0	90.00	359.61	10,000.0	1,854.0	702.4	517,374.91	740,052.99	32° 25' 14.464 N	103° 41' 21.620 W
LPP 1									
12,400.0	90.00	359.61	10,000.0	1,855.0	702.4	517,375.91	740,052.98	32° 25' 14.474 N	103° 41' 21.620 W
12,500.0	90.00	359.61	10,000.0	1,955.0	701.7	517,475.91	740,052.30	32° 25' 15.463 N	103° 41' 21.621 W
12,600.0	90.00	359.61	10,000.0	2,055.0	701.0	517,575.91	740,051.61	32° 25' 16.453 N	103° 41' 21.622 W
12,700.0	90.00	359.61	10,000.0	2,155.0	700.4	517,675.90	740,050.92	32° 25' 17.442 N	103° 41' 21.623 W
12,800.0	90.00	359.61	10,000.0	2,255.0	699.7	517,775.90	740,050.23	32° 25' 18.432 N	103° 41' 21.624 W
12,900.0	90.00	359.61	10,000.0	2,355.0	699.0	517,875.90	740,049.54	32° 25' 19.421 N	103° 41' 21.625 W
13,000.0	90.00	359.61	10,000.0	2,455.0	698.3	517,975.90	740,048.86	32° 25' 20.411 N	103° 41' 21.626 W
13,100.0	90.00	359.61	10,000.0	2,555.0	697.6	518,075.89	740,048.17	32° 25' 21.400 N	103° 41' 21.627 W
13,200.0	90.00	359.61	10,000.0	2,655.0	696.9	518,175.89	740,047.48	32° 25' 22.390 N	103° 41' 21.628 W
13,300.0	90.00	359.61	10,000.0	2,755.0	696.2	518,275.89	740,046.79	32° 25' 23.379 N	103° 41' 21.629 W
13,400.0	90.00	359.61	10,000.0	2,855.0	695.5	518,375.89	740,046.11	32° 25' 24.369 N	103° 41' 21.630 W
13,500.0	90.00	359.61	10,000.0	2,955.0	694.9	518,475.88	740,045.42	32° 25' 25.358 N	103° 41' 21.631 W
13,600.0	90.00	359.61	10,000.0	3,055.0	694.2	518,575.88	740,044.73	32° 25' 26.348 N	103° 41' 21.632 W
13,700.0	90.00	359.61	10,000.0	3,155.0	693.5	518,675.88	740,044.04	32° 25' 27.337 N	103° 41' 21.633 W
13,800.0	90.00	359.61	10,000.0	3,255.0	692.8	518,775.88	740,043.36	32° 25' 28.327 N	103° 41' 21.634 W
13,900.0	90.00	359.61	10,000.0	3,355.0	692.1	518,875.88	740,042.67	32° 25' 29.317 N	103° 41' 21.635 W
14,000.0	90.00	359.61	10,000.0	3,455.0	691.4	518,975.87	740,041.98	32° 25' 30.306 N	103° 41' 21.636 W
14,100.0	90.00	359.61	10,000.0	3,554.9	690.7	519,075.87	740,041.29	32° 25' 31.296 N	103° 41' 21.637 W
14,200.0	90.00	359.61	10,000.0	3,654.9	690.0	519,175.87	740,040.61	32° 25' 32.285 N	103° 41' 21.638 W
14,300.0	90.00	359.61	10,000.0	3,754.9	689.4	519,275.87	740,039.92	32° 25' 33.275 N	103° 41' 21.639 W
14,400.0	90.00	359.61	10,000.0	3,854.9	688.7	519,375.86	740,039.23	32° 25' 34.264 N	103° 41' 21.640 W
14,500.0	90.00	359.61	10,000.0	3,954.9	688.0	519,475.86	740,038.54	32° 25' 35.254 N	103° 41' 21.641 W
14,600.0	90.00	359.61	10,000.0	4,054.9	687.3	519,575.86	740,037.86	32° 25' 36.243 N	103° 41' 21.642 W
14,700.0	90.00	359.61	10,000.0	4,154.9	686.6	519,675.86	740,037.17	32° 25' 37.233 N	103° 41' 21.643 W
14,800.0	90.00	359.61	10,000.0	4,254.9	685.9	519,775.85	740,036.48	32° 25' 38.222 N	103° 41' 21.644 W
14,900.0	90.00	359.61	10,000.0	4,354.9	685.2	519,875.85	740,035.79	32° 25' 39.212 N	103° 41' 21.645 W
15,000.0	90.00	359.61	10,000.0	4,454.9	684.5	519,975.85	740,035.11	32° 25' 40.201 N	103° 41' 21.646 W

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured			Vertical			Map		Map		
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
15,026.0	90.00	359.61	10,000.0	4,480.9	684.4	520,001.85	740,034.93	32° 25' 40.459 N	103° 41' 21.646 W	
LPP 2										
15,100.0	90.00	359.61	10,000.0	4,554.9	683.9	520,075.85	740,034.42	32° 25' 41.191 N	103° 41' 21.647 W	
15,200.0	90.00	359.61	10,000.0	4,654.9	683.2	520,175.84	740,033.73	32° 25' 42.180 N	103° 41' 21.648 W	
15,300.0	90.00	359.61	10,000.0	4,754.9	682.5	520,275.84	740,033.04	32° 25' 43.170 N	103° 41' 21.649 W	
15,400.0	90.00	359.61	10,000.0	4,854.9	681.8	520,375.84	740,032.36	32° 25' 44.159 N	103° 41' 21.650 W	
15,500.0	90.00	359.61	10,000.0	4,954.9	681.1	520,475.84	740,031.67	32° 25' 45.149 N	103° 41' 21.651 W	
15,600.0	90.00	359.61	10,000.0	5,054.9	680.4	520,575.83	740,030.98	32° 25' 46.139 N	103° 41' 21.652 W	
15,700.0	90.00	359.61	10,000.0	5,154.9	679.7	520,675.83	740,030.29	32° 25' 47.128 N	103° 41' 21.653 W	
15,800.0	90.00	359.61	10,000.0	5,254.9	679.0	520,775.83	740,029.60	32° 25' 48.118 N	103° 41' 21.654 W	
15,900.0	90.00	359.61	10,000.0	5,354.9	678.4	520,875.83	740,028.92	32° 25' 49.107 N	103° 41' 21.655 W	
16,000.0	90.00	359.61	10,000.0	5,454.9	677.7	520,975.83	740,028.23	32° 25' 50.097 N	103° 41' 21.656 W	
16,100.0	90.00	359.61	10,000.0	5,554.9	677.0	521,075.82	740,027.54	32° 25' 51.086 N	103° 41' 21.657 W	
16,200.0	90.00	359.61	10,000.0	5,654.9	676.3	521,175.82	740,026.85	32° 25' 52.076 N	103° 41' 21.658 W	
16,300.0	90.00	359.61	10,000.0	5,754.9	675.6	521,275.82	740,026.17	32° 25' 53.065 N	103° 41' 21.659 W	
16,400.0	90.00	359.61	10,000.0	5,854.9	674.9	521,375.82	740,025.48	32° 25' 54.055 N	103° 41' 21.660 W	
16,500.0	90.00	359.61	10,000.0	5,954.9	674.2	521,475.81	740,024.79	32° 25' 55.044 N	103° 41' 21.661 W	
16,600.0	90.00	359.61	10,000.0	6,054.9	673.5	521,575.81	740,024.10	32° 25' 56.034 N	103° 41' 21.662 W	
16,700.0	90.00	359.61	10,000.0	6,154.9	672.8	521,675.81	740,023.42	32° 25' 57.023 N	103° 41' 21.663 W	
16,800.0	90.00	359.61	10,000.0	6,254.9	672.2	521,775.81	740,022.73	32° 25' 58.013 N	103° 41' 21.664 W	
16,900.0	90.00	359.61	10,000.0	6,354.9	671.5	521,875.80	740,022.04	32° 25' 59.002 N	103° 41' 21.665 W	
17,000.0	90.00	359.61	10,000.0	6,454.9	670.8	521,975.80	740,021.35	32° 25' 59.992 N	103° 41' 21.666 W	
17,100.0	90.00	359.61	10,000.0	6,554.9	670.1	522,075.80	740,020.67	32° 26' 0.981 N	103° 41' 21.667 W	
17,200.0	90.00	359.61	10,000.0	6,654.9	669.4	522,175.80	740,019.98	32° 26' 1.971 N	103° 41' 21.668 W	
17,300.0	90.00	359.61	10,000.0	6,754.9	668.7	522,275.79	740,019.29	32° 26' 2.961 N	103° 41' 21.669 W	
17,400.0	90.00	359.61	10,000.0	6,854.9	668.0	522,375.79	740,018.60	32° 26' 3.950 N	103° 41' 21.670 W	
17,500.0	90.00	359.61	10,000.0	6,954.9	667.3	522,475.79	740,017.92	32° 26' 4.940 N	103° 41' 21.671 W	
17,600.0	90.00	359.61	10,000.0	7,054.9	666.7	522,575.79	740,017.23	32° 26' 5.929 N	103° 41' 21.672 W	
17,688.0	90.00	359.61	10,000.0	7,142.9	666.1	522,663.79	740,016.62	32° 26' 6.800 N	103° 41' 21.673 W	
LPP 3										
17,700.0	90.00	359.61	10,000.0	7,154.9	666.0	522,675.79	740,016.54	32° 26' 6.919 N	103° 41' 21.673 W	
17,800.0	90.00	359.61	10,000.0	7,254.9	665.3	522,775.78	740,015.85	32° 26' 7.908 N	103° 41' 21.674 W	
17,900.0	90.00	359.61	10,000.0	7,354.9	664.6	522,875.78	740,015.17	32° 26' 8.898 N	103° 41' 21.675 W	
18,000.0	90.00	359.61	10,000.0	7,454.9	663.9	522,975.78	740,014.48	32° 26' 9.887 N	103° 41' 21.676 W	
18,100.0	90.00	359.61	10,000.0	7,554.9	663.2	523,075.78	740,013.79	32° 26' 10.877 N	103° 41' 21.677 W	
18,200.0	90.00	359.61	10,000.0	7,654.9	662.5	523,175.77	740,013.10	32° 26' 11.866 N	103° 41' 21.678 W	
18,300.0	90.00	359.61	10,000.0	7,754.8	661.8	523,275.77	740,012.41	32° 26' 12.856 N	103° 41' 21.679 W	
18,400.0	90.00	359.61	10,000.0	7,854.8	661.2	523,375.77	740,011.73	32° 26' 13.845 N	103° 41' 21.680 W	
18,500.0	90.00	359.61	10,000.0	7,954.8	660.5	523,475.77	740,011.04	32° 26' 14.835 N	103° 41' 21.681 W	
18,600.0	90.00	359.61	10,000.0	8,054.8	659.8	523,575.76	740,010.35	32° 26' 15.824 N	103° 41' 21.682 W	
18,700.0	90.00	359.61	10,000.0	8,154.8	659.1	523,675.76	740,009.66	32° 26' 16.814 N	103° 41' 21.683 W	
18,800.0	90.00	359.61	10,000.0	8,254.8	658.4	523,775.76	740,008.98	32° 26' 17.803 N	103° 41' 21.684 W	
18,900.0	90.00	359.61	10,000.0	8,354.8	657.7	523,875.76	740,008.29	32° 26' 18.793 N	103° 41' 21.685 W	
19,000.0	90.00	359.61	10,000.0	8,454.8	657.0	523,975.75	740,007.60	32° 26' 19.783 N	103° 41' 21.686 W	
19,100.0	90.00	359.61	10,000.0	8,554.8	656.3	524,075.75	740,006.91	32° 26' 20.772 N	103° 41' 21.687 W	
19,200.0	90.00	359.61	10,000.0	8,654.8	655.7	524,175.75	740,006.23	32° 26' 21.762 N	103° 41' 21.688 W	
19,300.0	90.00	359.61	10,000.0	8,754.8	655.0	524,275.75	740,005.54	32° 26' 22.751 N	103° 41' 21.689 W	
19,400.0	90.00	359.61	10,000.0	8,854.8	654.3	524,375.75	740,004.85	32° 26' 23.741 N	103° 41' 21.690 W	
19,500.0	90.00	359.61	10,000.0	8,954.8	653.6	524,475.74	740,004.16	32° 26' 24.730 N	103° 41' 21.691 W	
19,600.0	90.00	359.61	10,000.0	9,054.8	652.9	524,575.74	740,003.48	32° 26' 25.720 N	103° 41' 21.692 W	
19,700.0	90.00	359.61	10,000.0	9,154.8	652.2	524,675.74	740,002.79	32° 26' 26.709 N	103° 41' 21.693 W	
19,800.0	90.00	359.61	10,000.0	9,254.8	651.5	524,775.74	740,002.10	32° 26' 27.699 N	103° 41' 21.694 W	
19,900.0	90.00	359.61	10,000.0	9,354.8	650.8	524,875.73	740,001.41	32° 26' 28.688 N	103° 41' 21.695 W	
20,000.0	90.00	359.61	10,000.0	9,454.8	650.2	524,975.73	740,000.73	32° 26' 29.678 N	103° 41' 21.696 W	

PERMIAN

RESOURCES

Permian Resources

Planning Report - Geographic

Database:	Compass	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Company:	NEW MEXICO	TVD Reference:	GL @ 3698.5usft
Project:	(SP) LEA	MD Reference:	GL @ 3698.5usft
Site:	GOUDA	North Reference:	Grid
Well:	GOUDA FED COM 404H	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	10,000.0	9,554.8	649.5	525,075.73	740,000.04	32° 26' 30.667 N	103° 41' 21.697 W	
20,200.0	90.00	359.61	10,000.0	9,654.8	648.8	525,175.73	739,999.35	32° 26' 31.657 N	103° 41' 21.698 W	
20,207.9	90.00	359.61	10,000.0	9,662.7	648.7	525,183.61	739,999.30	32° 26' 31.735 N	103° 41' 21.698 W	
LTP/BHL - GOUDA FED COM 404H - 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										
GOUDA FED COM 404H	0.00	0.00	10,000.0	9,662.7	648.7	525,183.61	739,999.30	32° 26' 31.735 N	103° 41' 21.698 W	
- plan hits target center										
- Point										
GOUDA FED COM 404H	0.00	0.00	10,000.0	-689.2	720.0	514,831.74	740,070.55	32° 24' 49.298 N	103° 41' 21.594 W	
- plan misses target center by 202.9usft at 9966.8usft MD (9861.2 TVD, -541.2 N, 714.0 E)										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,340.0	10,000.0	-205.0	716.3	EOC/FTP	
12,399.0	10,000.0	1,854.0	702.4	LPP 1	
15,026.0	10,000.0	4,480.9	684.4	LPP 2	
17,688.0	10,000.0	7,142.9	666.1	LPP 3	
20,207.9	10,000.0	9,662.7	648.7	LTP/BHL	

PERMIAN

R E S O U R C E S

NEW MEXICO

(SP) LEA

GOUDA

GOUDA FED COM 404H

OWB

PWP0

Anticollision Summary Report

22 May, 2023

PERMIAN

RESOURCES

Permian Resources

Anticollision Summary Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.5usft
Reference Site:	GOUDA	MD Reference:	GL @ 3698.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	GOUDA FED COM 404H	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	20,207.8	PWP0 (OWB)	MWD	OWSG_Rev2_ MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
GOUDA						
GOUDA FED COM 304H - OWB - PWP0	2,000.0	1,998.5	60.0	45.7	4.186	CC, ES
GOUDA FED COM 304H - OWB - PWP0	20,207.9	19,889.0	969.0	724.3	3.960	SF
GOUDA FED COM 506H - OWB - PWP0	2,000.0	1,998.5	30.0	15.7	2.093	CC
GOUDA FED COM 506H - OWB - PWP0	2,100.0	2,099.0	30.4	15.4	2.023	ES
GOUDA FED COM 506H - OWB - PWP0	2,200.0	2,199.5	31.5	15.8	2.010	SF

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Permian Resources

Anticollision Summary Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well GOUDA FED COM 404H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.5usft
Reference Site:	GOUDA	MD Reference:	GL @ 3698.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	GOUDA FED COM 404H	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 @ 3698.5usft

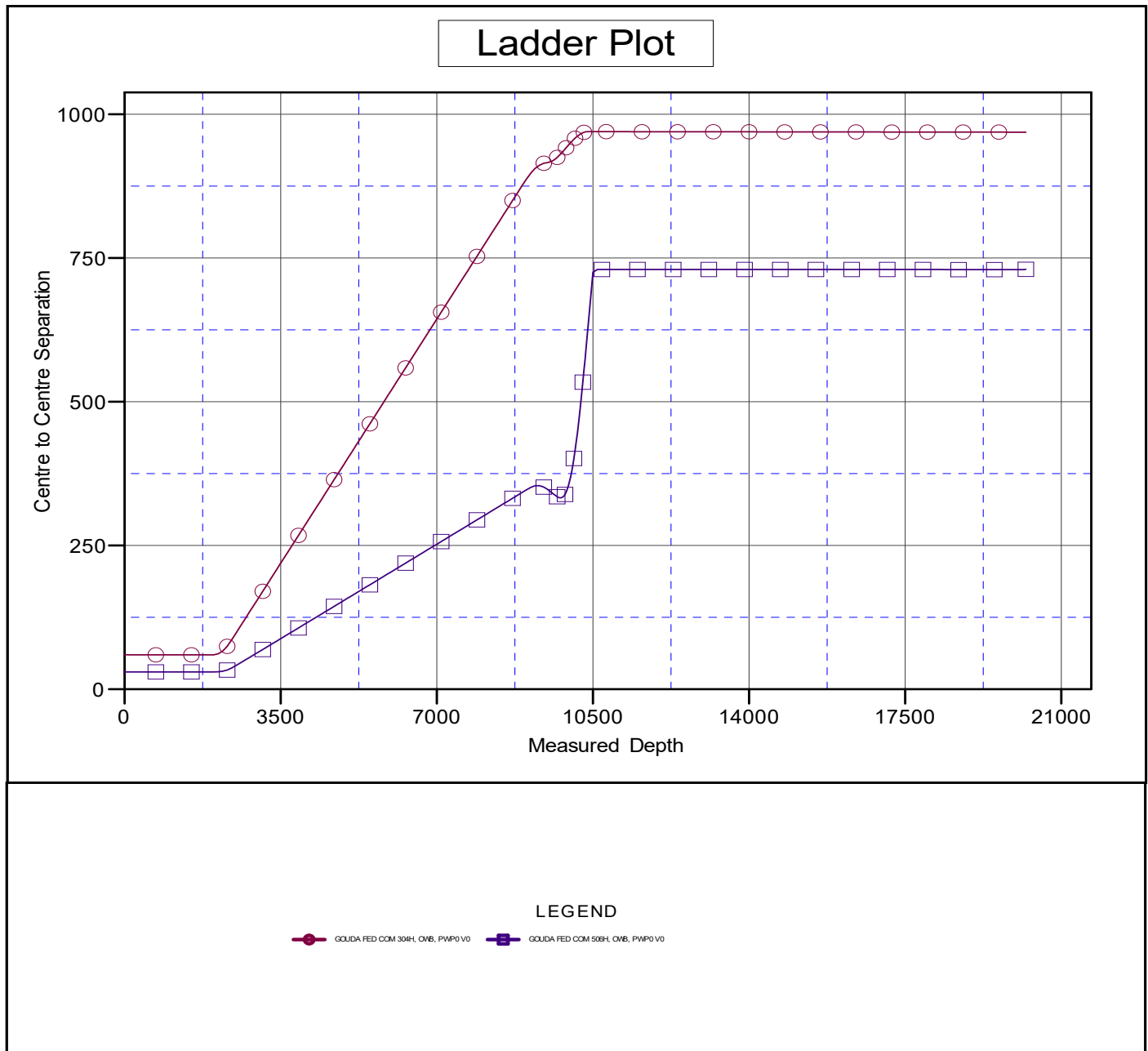
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GOUDA FED COM 404H

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

Grid Convergence at Surface is: 0.34°



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 GOUDA FED COM 404H
Project:	(SP) LEA	TVD Reference:	GL @ 3698.5usft
Reference Site:	GOUDA	MD Reference:	GL @ 3698.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	GOUDA FED COM 404H	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 @ 3698.5usft

Offset Depths are relative to Offset Datum

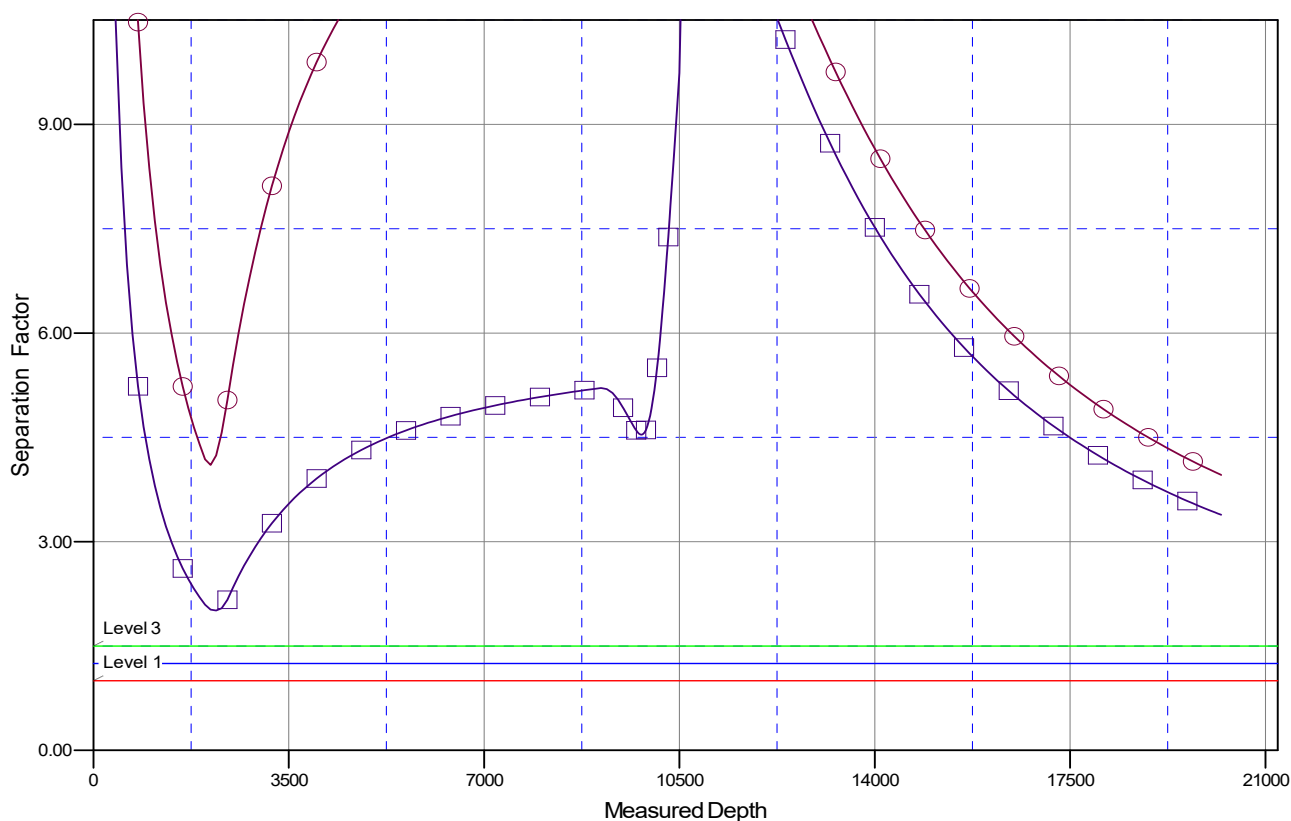
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GOUDA FED COM 404H

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

Grid Convergence at Surface is: 0.34°

Separation Factor Plot



LEGEND

GOUDA FED COM 304H, OWB, PWP0 V0 GOUDA FED COM 503H, 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 230251

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 230251
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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