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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form C-101
August 1, 2011

Permit 399670

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
ROVER OPERATING, LLC 318 West Adams Street Chicago, IL 60606	371484
	3. API Number 30-025-55351

4. Property Code	5. Property Name	6. Well No.
317818	MALMAR UNIT	001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	7	17S	33E	K	1380	S	1530	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	12	17S	32E	M	1154	S	347	W	Lea

9. Pool Information

MALJAMAR;GRAYBURG-SAN ANDRES	43329

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	4233
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	10630	San Andres		12/21/2025
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1150	260	0
Int1	9.625	7	32	2985	600	0
Prod	8.75	5.5	20	10630	1550	2990

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	Hydril
Double Ram	5000	5000	shaffer
Blind	5000	5000	Shaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Russell Burke	Approved By:	Jeffrey Harrison
Title:		Title:	Petroleum Specialist III
Email Address:	rburke@sevenriversresources.com	Approved Date:	10/20/2025
Date:	10/9/2025	Phone: 575-888-3460	Conditions of Approval Attached

Expiration Date: 10/20/2027

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	Pool Code	Pool Name
30-025-55351	43329	MALJAMAR;GRAYBURG-SAN ANDRES

Property Code	Property Name	Well Number
317818	MALMAR UNIT	1H

OGRID No.	Operator Name	Ground Level Elevation
371484	ROVER OPERATING, LLC	4233'

Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
K	7	17S	33E		1380 FSL	1530 FWL	32.8455986°N	103.7063189°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	12	17S	32E		1154 FSL	347 FWL	32.8449833°N	103.7273756°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
160	Infill	~~30-025-3688~~		

Order Numbers. | Well setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
K	7	17S	33E		1380 FSL	1530 FWL	32.8456°N	103.7603°W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	12	17S	33E		1350 FSL	955 FWL	32.845544°N	103.708183°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	12	17S	33E		1120 FSL	347 FWL	32.844983°N	103.7727376°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 4244'

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.

Signature: Brooks Terrell Date: 7/1/2025

Printed Name: Brooks Terrell

Email Address: gconsulting@sevenriversresources.com

SURVEYOR CERTIFICATIONS

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

THOMAS AARON FITZHUGH NEW MEXICO 26382 03/19/2025 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor: Aaron Fitzhugh

Certificate Number: 26382

Date of Survey: 03/08/2025

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.

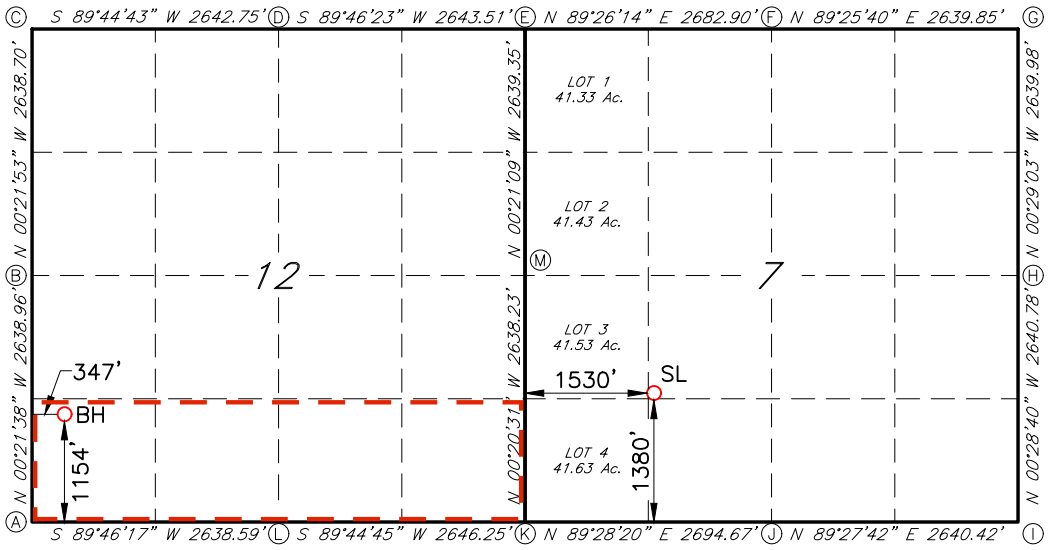
JOB #: LS25030257

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 a 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.

MALMAR UNIT #1H



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 671933.4 – E: 733901.1

LAT: 32.8455986° N
LONG: 103.7063189° W

BOTTOM HOLE (BH)
N: 671671.8 – E: 727435.5

LAT: 32.8449833° N
LONG: 103.7273756° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1913"
N: 670517.3 – E: 727096.3

B: FOUND BRASS CAP "1913"
N: 673155.6 – E: 727079.7

C: FOUND BRASS CAP "1913"
N: 675793.6 – E: 727062.9

D: FOUND BRASS CAP "1913"
N: 675805.3 – E: 729705.0

E: FOUND BRASS CAP "1913"
N: 675815.8 – E: 732347.9

F: FOUND BRASS CAP "1913"
N: 675842.1 – E: 735030.0

G: FOUND BRASS CAP "1913"
N: 675868.5 – E: 737669.1

H: FOUND BRASS CAP "1913"
N: 673229.2 – E: 737691.4

I: FOUND BRASS CAP "1913"
N: 670589.2 – E: 737713.4

J: FOUND BRASS CAP "1913"
N: 670564.4 – E: 735073.8

K: FOUND BRASS CAP "1913"
N: 670539.6 – E: 732379.8

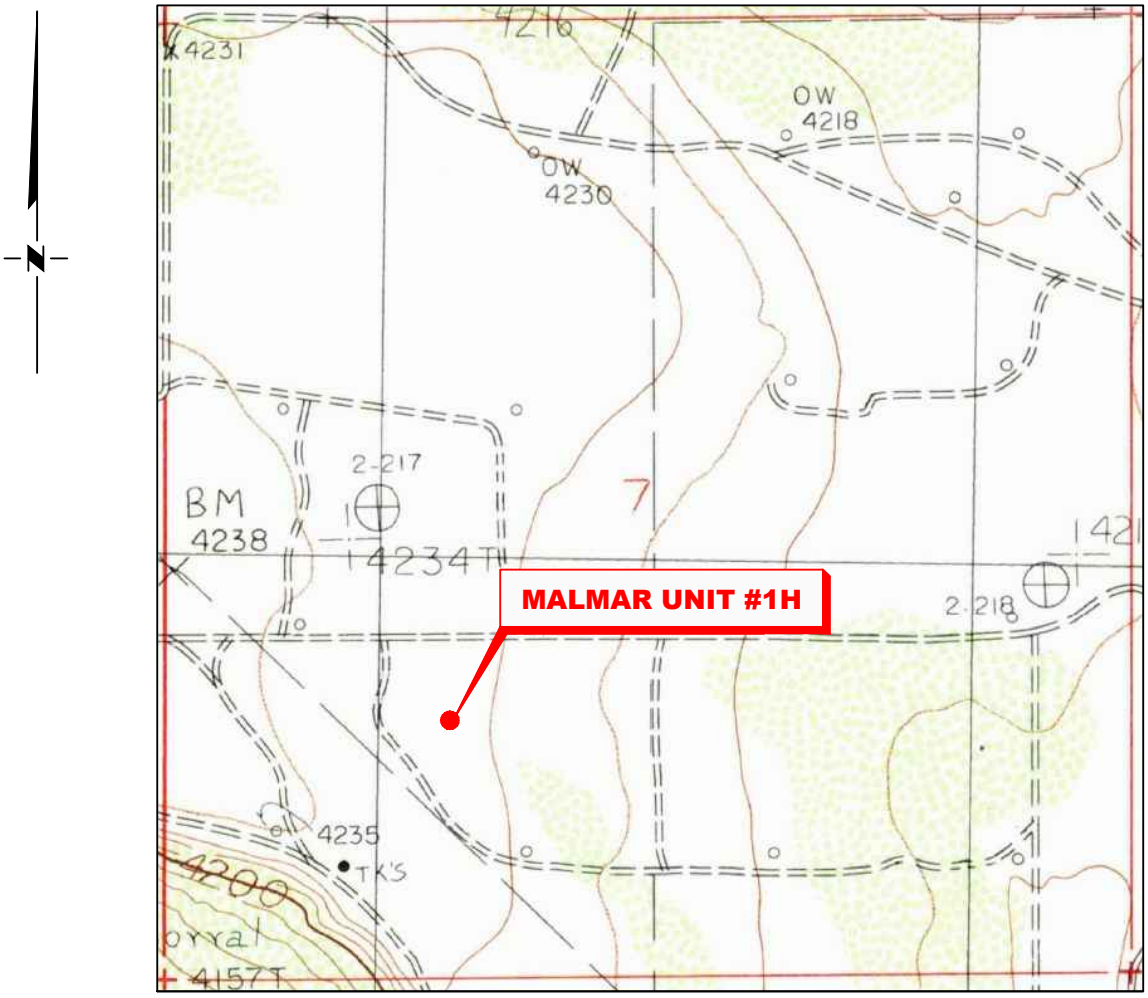
L: FOUND BRASS CAP "1913"
N: 670527.8 – E: 729734.2

M: FOUND BRASS CAP "1913"
N: 673177.1 – E: 732364.1

JOB #: LS25030257

LOCATION VERIFICATION MAP

NOT TO SCALE



SECTION 7, TWP. 17 SOUTH, RGE. 33 EAST,
N. M. P. M., LEA CO., NEW MEXICO

OPERATOR: Rover Operating, LLC
LEASE: Malmar Unit
WELL NO.: 1H
ELEVATION: 4233'

LOCATION: 1380' FSL & 1530' FWL
CONTOUR INTERVAL: 10'
USGS TOPO. SOURCE MAP:
Dog Lake, NM (1985)

NO.	REVISION	DATE

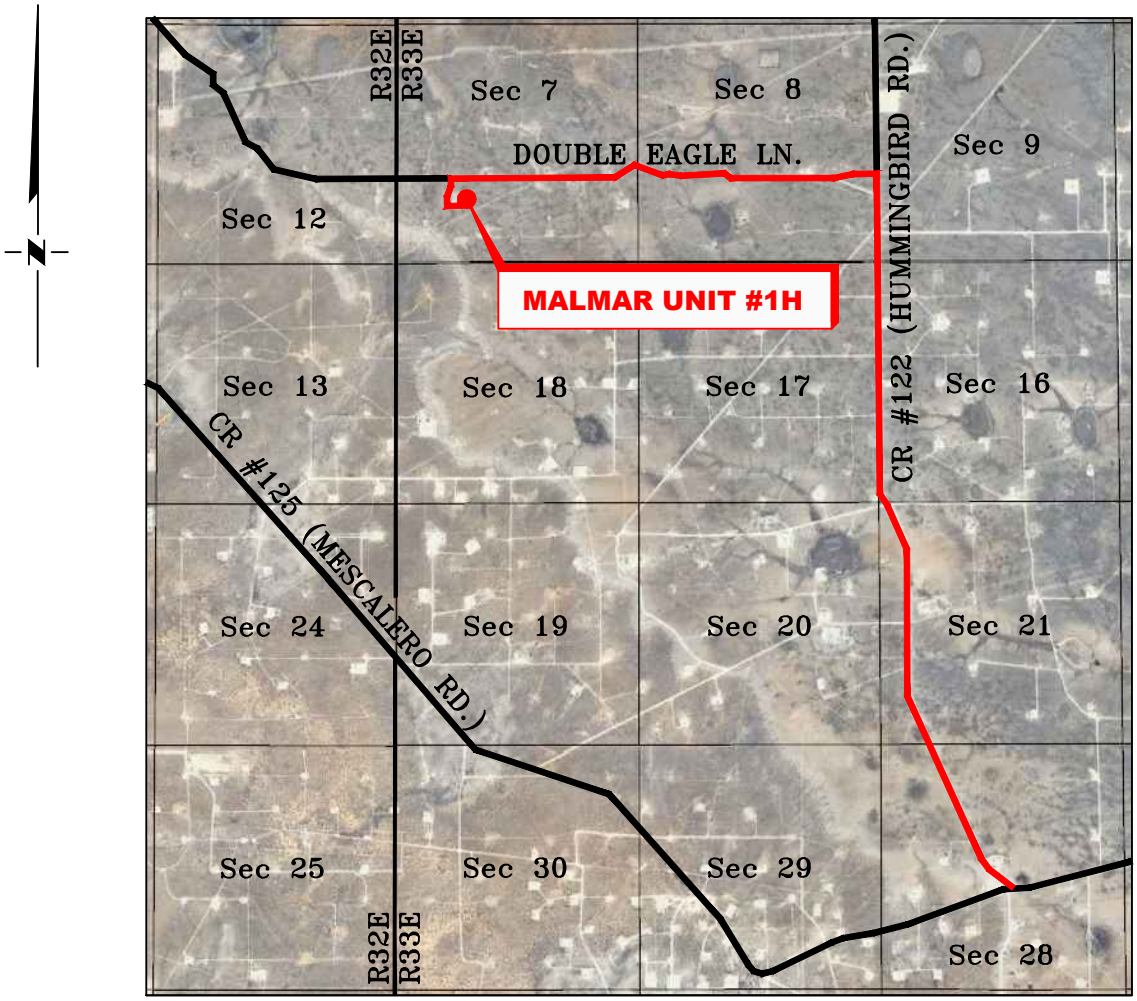
JOB NO.: LS25030257
DWG. NO.: 25030257-3

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 03/08/2025
SURVEYED BY: RG/HA
DRAWN BY: GA
APPROVED BY: TAF
SHEET: 1 OF 1

VICINITY MAP

NOT TO SCALE



SECTION 7, TWP. 17 SOUTH, RGE. 33 EAST,
N. M. P. M., LEA COUNTY, NEW MEXICO

OPERATOR: Rover Operating, LLC
LEASE: Malmar Unit
WELL NO.: 1H

LOCATION: 1380' FSL & 1530' FWL
ELEVATION: 4233'

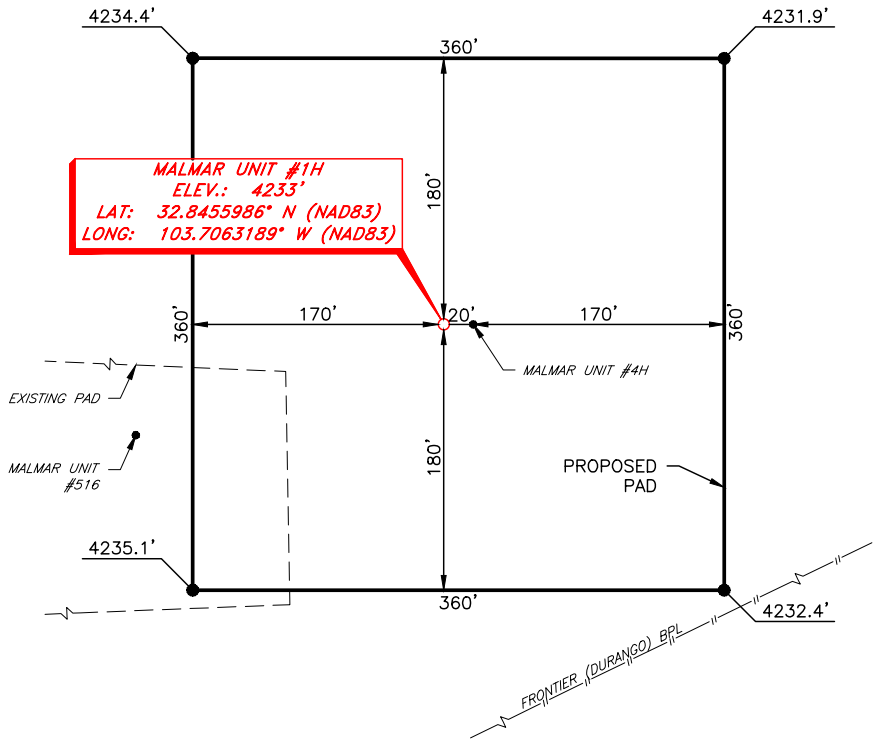
NO.	REVISION	DATE

JOB NO.: LS25030257
DWG. NO.: 25030257-4

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 03/08/2025
SURVEYED BY: RG/HA
DRAWN BY: GA
APPROVED BY: TAF
SHEET: 1 OF 1

ROVER OPERATING, LLC
MALMAR UNIT #1H
(1380' FSL & 1530' FWL)
SECTION 7, T17S, R33E
N. M. P. M., LEA CO., NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR #125 (Mescalero Rd.) & CR #122 (Hummingbird Rd.);

Go North on CR #122 approx. 3.1 miles to Double Eagle Ln. on the left;

Turn left and go West approx. 1.8 miles to a lease road on the left;

Turn left and go South approx. 0.1 miles to an existing pad;

Continue East approx 350 feet to location on the left.

SCALE: 1" = 100'
0 50 100

BEARINGS ARE NAD 83 GRID – NM EAST DISTANCES ARE GROUND.

I, Thomas Aaron Fitzhugh, New Mexico Professional Surveyor No. 26382, do hereby certify that this Unclassified Well Location Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the Minimum standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief.

Aaron Fitzhugh N.M. P.S. 26382

THOMAS AARON FITZHUGH NEW MEXICO 26382 03/19/2025 PROFESSIONAL SURVEYOR

NO.	REVISION	DATE

JOB NO.: LS25030257
DWG. NO.: 25030257–5

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964–8200

SCALE: 1" = 100'
DATE: 03/08/2025
SURVEYED BY: RG/HA
DRAWN BY: GA
APPROVED BY: TAF
SHEET: 1 OF 1

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Conditions

Permit 399670

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
ROVER OPERATING, LLC [371484] 318 West Adams Street Chicago, IL 60606	30-025-55351
	Well: MALMAR UNIT #001H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	Any string of casing not circulated back to surface must have at least 200' of cement tie-back into the previous casing string.

ROVER OPERATING LLC

NATURAL GAS MANAGEMENT PLAN- ATTACHMENT

VI. Separation equipment will be sized by construction engineering staff based on anticipated daily production to ensure adequate capacity.

VII. Rover Operating LLC ("Rover") will take the following actions to comply with the regulations listed in 19.15.27.8:

A. Rover will maximize the recovery of natural gas by minimizing waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. Rover will ensure that wells will be connected to a natural gas gathering system with sufficient capacity to transport natural gas.
B. All drilling operations will be equipped with a rig flare, with properly secured lines, maintained in Conformance with API Practices, at least 100 feet from the nearest surface hole location. Rig flare will be utilized to combust any natural gas that is brought to surface during normal operations. In the event of emergency, flaring volumes will be reported appropriately.
C. During completion operations any natural gas brought to surface will be flared. Immediately following completion operations, wells will flow to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. If natural gas does not meet gathering pipeline specifications, Rover will flare for 60 days or until natural gas meets the pipeline specifications. Rover will ensure flare is properly sized and is equipped with an automatic igniter or continuous pilot. Gas samples will be taken twice per week, and natural gas will be routed into a gathering system as soon as the pipeline specifications are met.
D. Natural gas will not be flared except under the exception of 19.15.27.8(D)(1-4). If there is no adequate takeaway for the separator gas, wells will be shut-in until a natural gas gathering system is available with exception of emergency or malfunction situations. Volumes will be reported in compliance with all regulations.
E. Rover will comply with performance standards pursuant to 19.15.27.8(E)(1-8). All equipment will be designed and sized to handle maximum pressures to minimize waste. Storage tanks constructed will be equipped with an automatic gauging system that reduces venting of natural gas. Flare stacks will be equipped with an automatic ignitor or continuous pilot. Rover will conduct AVO inspections as described in 19.15.27.8(E)(5)(a) with frequencies specified in 19.15.27.8(E)(5)(b) and (c). All emergencies or malfunctions will be resolved as quickly as possible to minimize waste.
F. The volume of natural gas that is vented or flared as the result of an emergency or malfunction during drilling and/or completion operations will be measure/ estimated

and reported accordingly. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured and reported accordingly. Rover will install equipment to measure the volume of natural gas flared from existing piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or VRUs associated with a well or facility that has an average daily production of less than 60,000 cubic feet of natural gas. If metering is not practicable due to circumstances such as low flow rate or low-pressure venting or flaring, Rover will estimate the volume of flared or vented natural gas. Measuring equipment will conform to industry standards and will not be equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing equipment.

VII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production equipment, the associated producing wells will be shut-in to eliminate venting. For maintenance of VRUs, all natural gas normally routed to the VRU will be routed to flare.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Rover Operating LLC **OGRID:** 371484 **Date:** 9 / 27 / 2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Malmar Unit 001H	30-025-			215	264	888

IV. Central Delivery Point Name: Malmar Unit Battery 3 Tank Battery [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Malmar Unit 001H	30-025-	12-01-2025	12-10-2025	12-19-2025	12-31-2025	12-31-2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Eugene J Sweeney
Title:	Engineering Technical Advisor
E-mail Address:	esweeney@sevenriversresources.com
Date:	09/27/2025
Phone:	832-267-6803

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Company: Seven Rivers Resources
Field: Lea Co. NM (NAD83)
Location: Rover Operating - Malmar Unit 1H
Well: Malmar Unit 1H
OH
Plan: Plan 2
KB: 4233' @ 4233.00usft

PROJECT DETAILS: Lea Co. NM (NAD83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

T G M

Azimuths to Grid North
True North: -0.34°
Magnetic North: 5.99°

Magnetic Field
Strength: 47331.1nT
Dip Angle: 60.29°
Date: 10/14/2025
Model: IGRF2025

LEGACY DIRECTIONAL

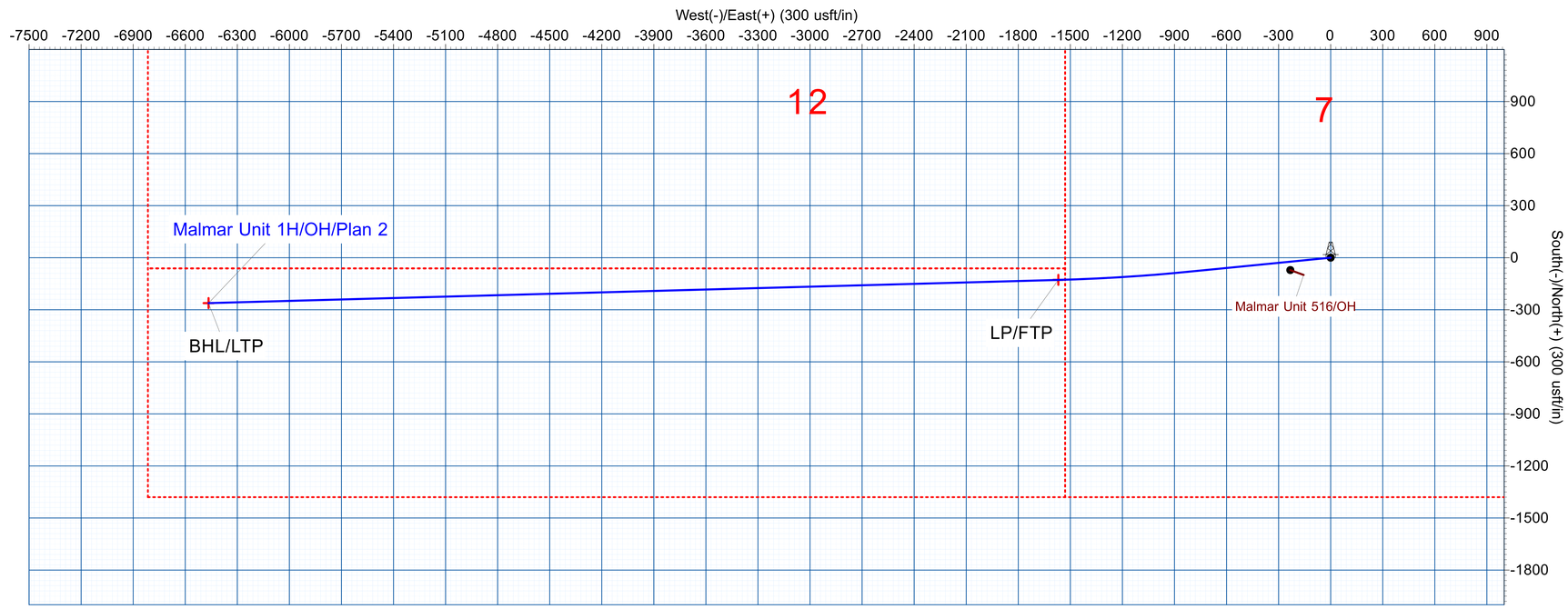
DESIGN TARGET DETAILS

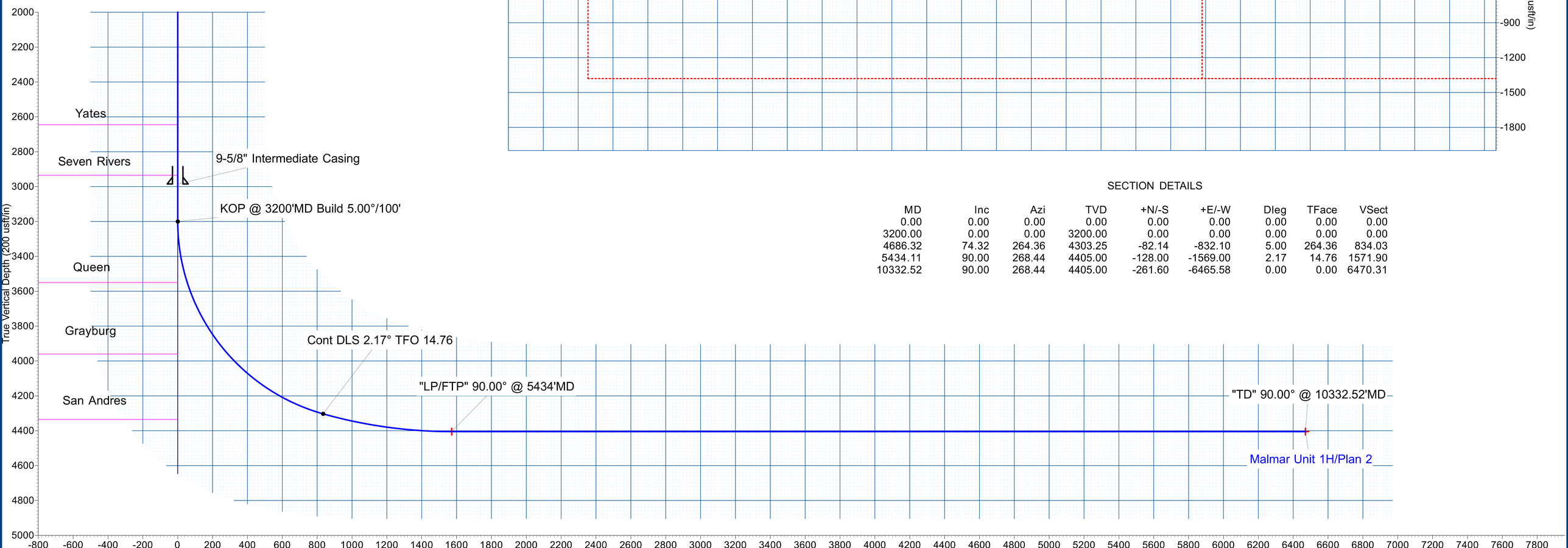
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
BHL	4405.00	-261.60	-6465.58	671671.81	727435.55	32.844983	-103.727376	Point
LP/FTP	4405.00	-128.00	-1569.00	671805.42	732332.13	32.845272	-103.711430	Point

WELL DETAILS: Malmar Unit 1H

KB: 4233' @ 4233.00usft 4233.00

Northing	Easting	Latittude	Longitude
671933.42	733901.13	32.845599	-103.706319





SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00
4686.32	74.32	264.36	4303.25	-82.14	-832.10	5.00	264.36	834.03
5434.11	90.00	268.44	4405.00	-128.00	-1569.00	2.17	14.76	1571.90
10332.52	90.00	268.44	4405.00	-261.60	-6465.58	0.00	0.00	6470.31

Plan: Plan 2 (Malmar Unit 1H/OH)
Created By: FRANK S. Date: 13:11, October 15 2025

Seven Rivers Resources

Lea Co. NM (NAD83)
Rover Operating - Malmar Unit 1H
Malmar Unit 1H

OH
Plan 2

Anticollision Report

15 October, 2025

Anticollision Report

Company:	Seven Rivers Resources	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Project:	Lea Co. NM (NAD83)	**TVD Reference:**	KB: 4233' @ 4233.00usft
Reference Site:	Rover Operating - Malmar Unit 1H	**MD Reference:**	KB: 4233' @ 4233.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	EDM_WA
Reference Design:	Plan 2	**Offset TVD Reference:**	Offset Datum

Reference Plan 2

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,274.30usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 10/15/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	10,332.52	Plan 2 (OH)	MWD	OWSG MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Rover Operating - Malmar Unit 1H						
Malmar Unit 516 (Offset) - OH - OH	3,845.67	3,813.96	77.03	49.87	2.836	CC, ES, SF

Offset Design: Rover Operating - Malmar Unit 1H - Malmar Unit 516 (Offset) - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 299-MWD **Offset Well Error:** 0.00 usft

Rule Assigned: **Warning**

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
0.00	0.00	2.12	2.12	0.00	0.00	-107.09	-71.45	-232.41	243.15	243.14	0.00	N/A
100.00	100.00	103.27	103.27	0.36	0.19	-107.13	-71.56	-232.12	242.90	242.36	0.54	446.244
200.00	200.00	204.40	204.40	0.72	0.37	-107.26	-71.87	-231.26	242.19	241.10	1.08	223.293
300.00	300.00	305.45	305.44	1.08	0.56	-107.48	-72.38	-229.85	241.00	239.37	1.64	147.270
400.00	400.00	405.44	405.41	1.43	0.92	-107.73	-72.98	-228.21	239.62	237.27	2.35	101.792
500.00	500.00	505.42	505.38	1.79	1.28	-107.99	-73.58	-226.57	238.24	235.17	3.07	77.562
600.00	600.00	605.41	605.35	2.15	1.64	-108.25	-74.18	-224.93	236.87	233.08	3.79	62.510
700.00	700.00	705.14	705.06	2.51	2.00	-108.50	-74.75	-223.36	235.56	231.05	4.51	52.276
800.00	800.00	804.87	804.78	2.87	2.36	-108.74	-75.27	-221.92	234.36	229.13	5.22	44.873
900.00	900.00	904.61	904.51	3.23	2.72	-108.95	-75.75	-220.61	233.27	227.33	5.94	39.275
1,000.00	1,000.00	1,004.56	1,004.46	3.58	3.08	-109.15	-76.20	-219.38	232.25	225.59	6.66	34.890
1,100.00	1,100.00	1,104.55	1,104.44	3.94	3.43	-109.36	-76.64	-218.15	231.24	223.86	7.37	31.358
1,200.00	1,200.00	1,204.55	1,204.42	4.30	3.79	-109.56	-77.09	-216.92	230.23	222.13	8.09	28.453
1,300.00	1,300.00	1,304.54	1,304.41	4.66	4.15	-109.77	-77.54	-215.69	229.22	220.41	8.81	26.021
1,400.00	1,400.00	1,404.53	1,404.39	5.02	4.51	-109.98	-77.99	-214.46	228.21	218.69	9.53	23.956
1,500.00	1,500.00	1,504.52	1,504.37	5.38	4.87	-110.19	-78.43	-213.23	227.21	216.97	10.24	22.180
1,600.00	1,600.00	1,604.52	1,604.36	5.74	5.23	-110.41	-78.88	-212.00	226.21	215.25	10.96	20.637
1,700.00	1,700.00	1,704.65	1,704.48	6.09	5.59	-110.63	-79.34	-210.73	225.19	213.51	11.68	19.280
1,800.00	1,800.00	1,804.77	1,804.59	6.45	5.95	-110.87	-79.83	-209.38	224.10	211.70	12.40	18.076
1,900.00	1,900.00	1,904.89	1,904.70	6.81	6.31	-111.13	-80.35	-207.96	222.96	209.85	13.12	16.999
2,000.00	2,000.00	2,005.01	2,004.81	7.17	6.67	-111.40	-80.89	-206.47	221.77	207.94	13.83	16.031
2,100.00	2,100.00	2,105.12	2,104.91	7.53	7.03	-111.68	-81.47	-204.91	220.52	205.97	14.55	15.154
2,200.00	2,200.00	2,205.29	2,205.06	7.89	7.39	-111.99	-82.07	-203.26	219.22	203.95	15.27	14.356
2,300.00	2,300.00	2,305.53	2,305.28	8.24	7.75	-112.32	-82.72	-201.47	217.81	201.82	15.99	13.622
2,400.00	2,400.00	2,405.76	2,405.49	8.60	8.11	-112.69	-83.42	-199.54	216.30	199.59	16.71	12.946
2,500.00	2,500.00	2,505.81	2,505.52	8.96	8.47	-113.08	-84.16	-197.49	214.71	197.28	17.43	12.321

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

Anticollision Report

Company:	Seven Rivers Resources	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Project:	Lea Co. NM (NAD83)	**TVD Reference:**	KB: 4233' @ 4233.00usft
Reference Site:	Rover Operating - Malmar Unit 1H	**MD Reference:**	KB: 4233' @ 4233.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	EDM_WA
Reference Design:	Plan 2	**Offset TVD Reference:**	Offset Datum

Offset Design: Rover Operating - Malmar Unit 1H - Malmar Unit 516 (Offset) - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 299-MWD

Rule Assigned:

Offset Well Error: 0.00 usft

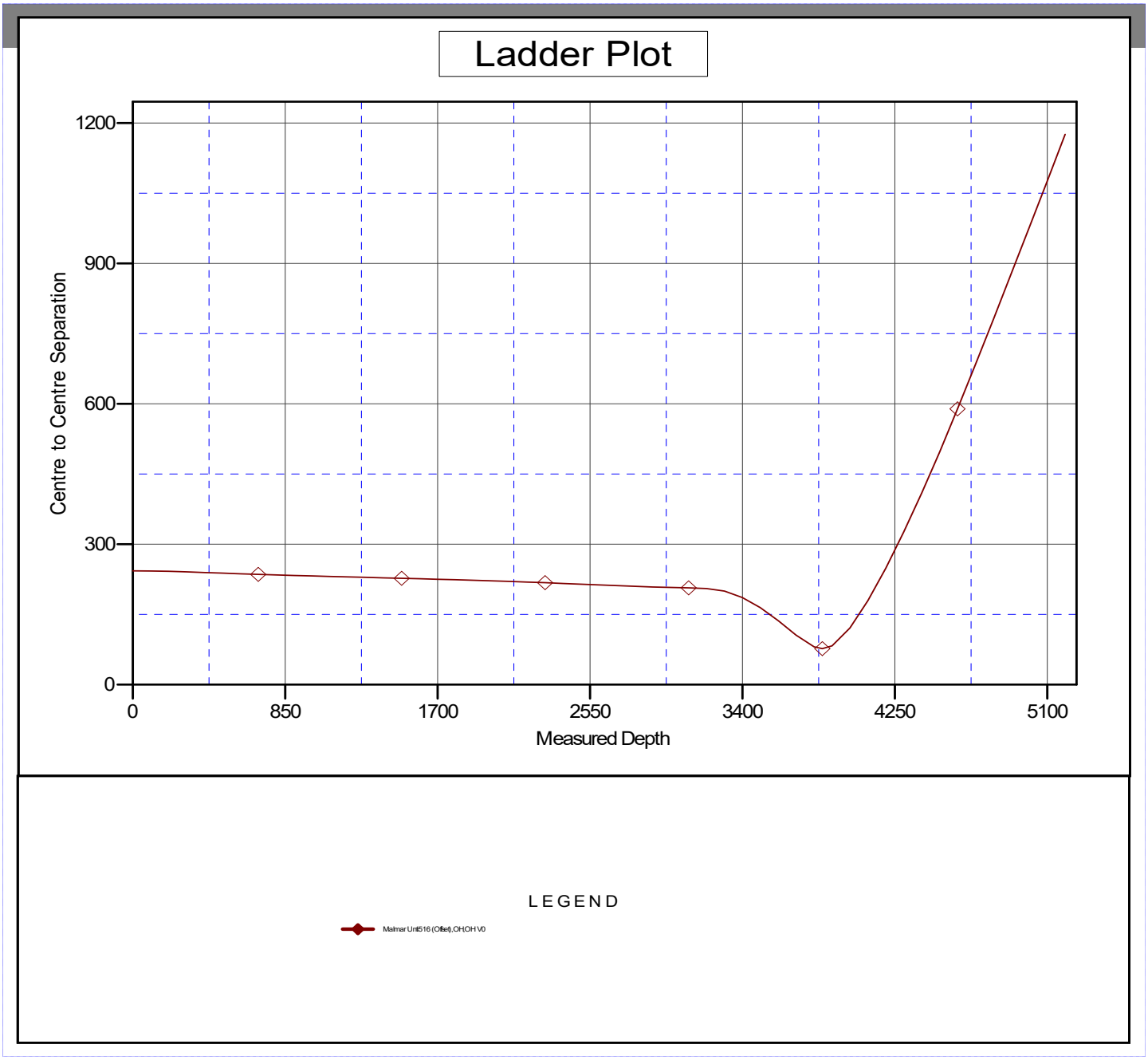
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,600.00	2,600.00	2,605.79	2,605.47	9.32	8.83	-113.48	-84.91	-195.44	213.12	194.97	18.15	11.745	
2,700.00	2,700.00	2,705.77	2,705.43	9.68	9.19	-113.89	-85.65	-193.40	211.54	192.68	18.86	11.214	
2,800.00	2,800.00	2,805.35	2,804.99	10.04	9.55	-114.28	-86.36	-191.45	210.05	190.47	19.58	10.728	
2,900.00	2,900.00	2,904.88	2,904.50	10.40	9.91	-114.62	-86.96	-189.80	208.79	188.49	20.30	10.287	
3,000.00	3,000.00	3,004.42	3,004.03	10.75	10.27	-114.90	-87.46	-188.43	207.75	186.74	21.01	9.887	
3,100.00	3,100.00	3,104.92	3,104.52	11.11	10.63	-115.19	-87.97	-187.03	206.70	184.97	21.73	9.511	
3,200.00	3,200.00	3,205.40	3,204.99	11.47	10.99	-115.55	-88.60	-185.30	205.41	182.96	22.45	9.148	
3,300.00	3,299.87	3,305.65	3,305.21	11.82	11.35	-20.89	-89.35	-183.25	199.81	176.65	23.16	8.627	
3,400.00	3,398.99	3,404.89	3,404.42	12.16	11.71	-23.16	-90.20	-180.89	186.00	162.14	23.86	7.796	
3,500.00	3,496.58	3,502.27	3,501.75	12.52	12.06	-27.35	-91.16	-178.27	164.53	139.98	24.55	6.702	
3,600.00	3,591.93	3,596.66	3,596.10	12.89	12.40	-34.80	-92.12	-175.62	136.76	111.52	25.24	5.419	
3,700.00	3,684.28	3,687.92	3,687.33	13.29	12.73	-48.53	-93.01	-173.18	105.84	79.89	25.95	4.079	
3,800.00	3,772.96	3,775.42	3,774.80	13.75	13.05	-73.63	-93.82	-170.95	80.81	54.05	26.76	3.020	
3,845.67	3,812.04	3,813.96	3,813.32	13.99	13.19	-88.86	-94.17	-170.01	77.03	49.87	27.16	2.836	CC, ES, SF
3,900.00	3,857.27	3,858.57	3,857.92	14.28	13.35	-106.92	-94.54	-168.97	83.03	55.52	27.51	3.018	
4,000.00	3,936.58	3,936.82	3,936.15	14.91	13.63	-131.42	-95.16	-167.29	121.01	93.05	27.96	4.328	
4,100.00	4,010.28	4,009.60	4,008.91	15.67	13.89	-144.71	-95.67	-165.89	179.46	151.08	28.38	6.323	
4,200.00	4,077.82	4,076.31	4,075.61	16.58	14.13	-151.83	-96.08	-164.74	249.00	220.19	28.81	8.643	
4,300.00	4,138.68	4,135.90	4,135.20	17.65	14.35	-155.68	-96.44	-163.76	326.18	296.97	29.21	11.167	
4,400.00	4,192.39	4,188.28	4,187.57	18.89	14.53	-157.59	-96.75	-162.91	409.35	379.77	29.57	13.842	
4,500.00	4,238.55	4,233.04	4,232.32	20.31	14.70	-158.03	-97.02	-162.17	497.36	467.48	29.89	16.641	
4,600.00	4,276.81	4,269.84	4,269.11	21.89	14.83	-156.98	-97.24	-161.57	589.31	559.17	30.15	19.547	
4,700.00	4,306.91	4,298.44	4,297.71	23.61	14.93	-154.68	-97.41	-161.10	684.35	653.99	30.36	22.544	
4,800.00	4,331.70	4,321.69	4,320.96	25.45	15.01	-156.26	-97.55	-160.72	781.08	750.56	30.52	25.594	
4,900.00	4,352.92	4,341.36	4,340.62	27.38	15.09	-157.31	-97.67	-160.40	878.79	848.13	30.66	28.662	
5,000.00	4,370.56	4,357.43	4,356.69	29.38	15.14	-157.82	-97.76	-160.13	977.28	946.50	30.78	31.751	
5,100.00	4,384.58	4,369.86	4,369.12	31.45	15.19	-157.59	-97.84	-159.93	1,076.37	1,045.50	30.88	34.862	
5,200.00	4,394.97	4,378.65	4,377.91	33.57	15.22	-155.92	-97.89	-159.78	1,175.91	1,144.96	30.95	37.996	

Anticollision Report

Company:	Seven Rivers Resources	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Project:	Lea Co. NM (NAD83)	**TVD Reference:**	KB: 4233' @ 4233.00usft
Reference Site:	Rover Operating - Malmar Unit 1H	**MD Reference:**	KB: 4233' @ 4233.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	EDM_WA
Reference Design:	Plan 2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB: 4233' @ 4233.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

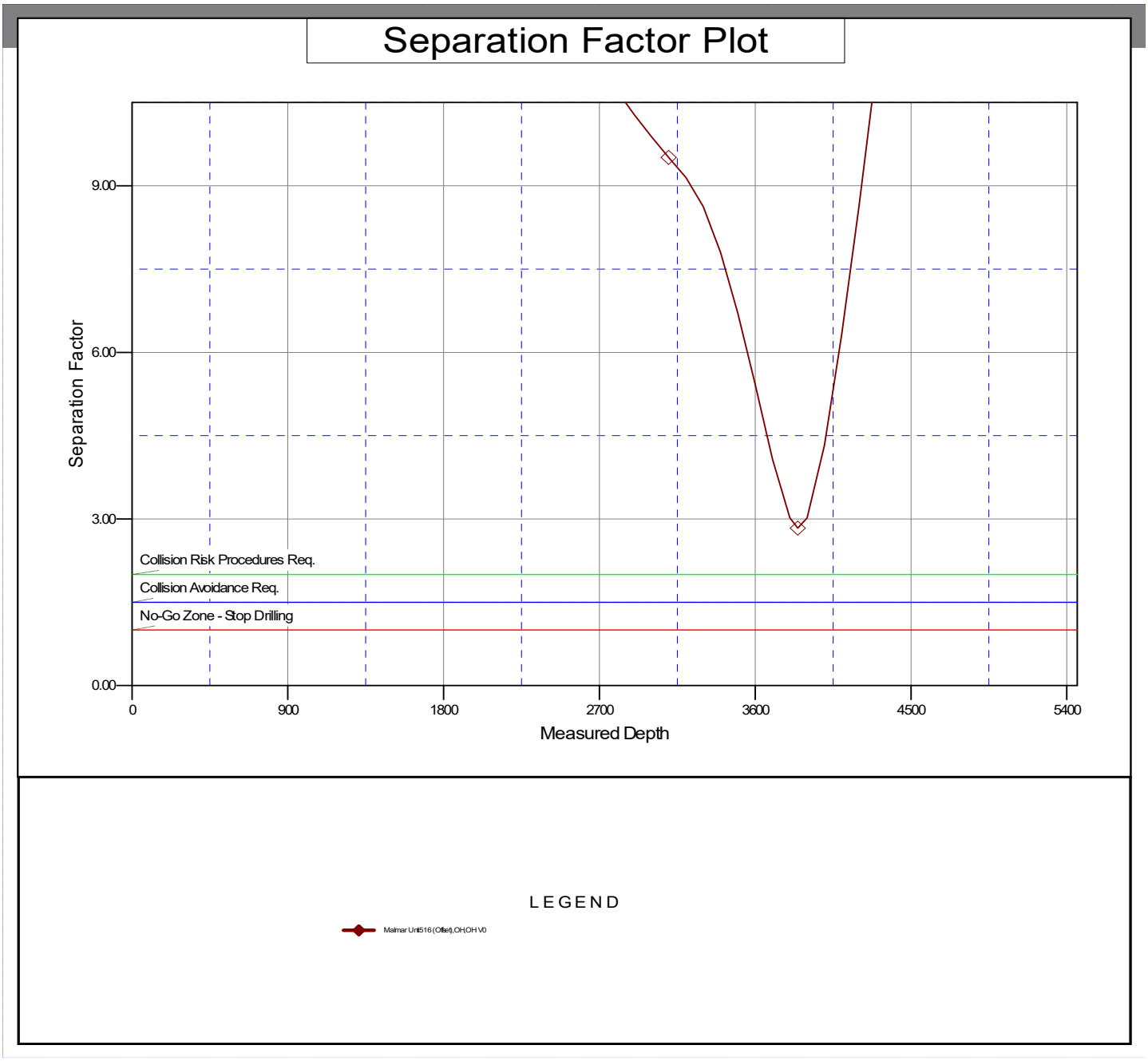
Coordinates are relative to: Malmar Unit 1H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.34°



Anticollision Report

Company:	Seven Rivers Resources	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Project:	Lea Co. NM (NAD83)	**TVD Reference:**	KB: 4233' @ 4233.00usft
Reference Site:	Rover Operating - Malmar Unit 1H	**MD Reference:**	KB: 4233' @ 4233.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	EDM_WA
Reference Design:	Plan 2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB: 4233' @ 4233.00usft	Coordinates are relative to: Malmar Unit 1H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Central Meridian is -104.333334	Grid Convergence at Surface is: 0.34°



Seven Rivers Resources

Lea Co. NM (NAD83)
Rover Operating - Malmar Unit 1H
Malmar Unit 1H

OH

Plan: Plan 2

Standard Planning Report

15 October, 2025

Planning Report

Database:	EDM_WA	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Company:	Seven Rivers Resources	**TVD Reference:**	KB: 4233' @ 4233.00usft
Project:	Lea Co. NM (NAD83)	**MD Reference:**	KB: 4233' @ 4233.00usft
Site:	Rover Operating - Malmar Unit 1H	**North Reference:**	Grid
Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Project Lea Co. NM (NAD83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Rover Operating - Malmar Unit 1H

Site Position:		**Northing:**	671,933.41 usft	**Latitude:**	32.845599
From:	Lat/Long	**Easting:**	733,901.13 usft	**Longitude:**	-103.706319
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Malmar Unit 1H

Well Position	**+N/-S**	0.00 usft	**Northing:**	671,933.41 usft	**Latitude:**	32.845599
	+E/-W	0.00 usft	**Easting:**	733,901.13 usft	**Longitude:**	-103.706319
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,233.00 usft
Grid Convergence:		0.34 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	10/14/2025	6.33	60.29	47,331.14422886

Design Plan 2

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	268.44

Plan Survey Tool Program **Date** 10/15/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	10,332.52	Plan 2 (OH)	MWD	
				OWSG MWD - Standard	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,686.32	74.32	264.36	4,303.25	-82.14	-832.10	5.00	5.00	0.00	264.36	
5,434.11	90.00	268.44	4,405.00	-128.00	-1,569.00	2.17	2.10	0.54	14.76	LP/FTP
10,332.52	90.00	268.44	4,405.00	-261.60	-6,465.58	0.00	0.00	0.00	0.00	BHL

Planning Report

Database:	EDM_WA	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Company:	Seven Rivers Resources	**TVD Reference:**	KB: 4233' @ 4233.00usft
Project:	Lea Co. NM (NAD83)	**MD Reference:**	KB: 4233' @ 4233.00usft
Site:	Rover Operating - Malmar Unit 1H	**North Reference:**	Grid
Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned 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)
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP @ 3200'MD Build 5.00°/100'									
3,300.00	5.00	264.36	3,299.87	-0.43	-4.34	4.35	5.00	5.00	0.00
3,400.00	10.00	264.36	3,398.99	-1.71	-17.32	17.37	5.00	5.00	0.00
3,500.00	15.00	264.36	3,496.58	-3.84	-38.86	38.95	5.00	5.00	0.00
3,555.68	17.78	264.36	3,550.00	-5.38	-54.49	54.62	5.00	5.00	0.00
Queen									
3,600.00	20.00	264.36	3,591.93	-6.79	-68.77	68.93	5.00	5.00	0.00
3,700.00	25.00	264.36	3,684.28	-10.55	-106.84	107.09	5.00	5.00	0.00
3,800.00	30.00	264.36	3,772.96	-15.08	-152.78	153.14	5.00	5.00	0.00
3,900.00	35.00	264.36	3,857.27	-20.36	-206.23	206.71	5.00	5.00	0.00
4,000.00	40.00	264.36	3,936.58	-26.34	-266.80	267.42	5.00	5.00	0.00
4,030.93	41.55	264.36	3,960.00	-28.32	-286.90	287.56	5.00	5.00	0.00
Grayburg									
4,100.00	45.00	264.36	4,010.28	-32.97	-334.01	334.78	5.00	5.00	0.00
4,200.00	50.00	264.36	4,077.82	-40.21	-407.36	408.30	5.00	5.00	0.00
4,300.00	55.00	264.36	4,138.68	-48.00	-486.28	487.41	5.00	5.00	0.00
4,400.00	60.00	264.36	4,192.39	-56.28	-570.19	571.51	5.00	5.00	0.00
4,500.00	65.00	264.36	4,238.55	-64.99	-658.43	659.96	5.00	5.00	0.00
4,600.00	70.00	264.36	4,276.81	-74.07	-750.34	752.08	5.00	5.00	0.00
4,686.32	74.32	264.36	4,303.25	-82.14	-832.10	834.03	5.00	5.00	0.00
Cont DLS 2.17° TFO 14.76									
4,700.00	74.60	264.44	4,306.91	-83.42	-845.21	847.17	2.17	2.09	0.57
4,800.00	76.70	265.01	4,331.70	-92.33	-941.68	943.84	2.17	2.09	0.57
4,814.52	77.00	265.09	4,335.00	-93.55	-955.77	957.96	2.17	2.10	0.56
San Andres									
4,900.00	78.79	265.56	4,352.92	-100.36	-1,039.06	1,041.41	2.17	2.10	0.56
5,000.00	80.89	266.11	4,370.56	-107.50	-1,137.23	1,139.73	2.17	2.10	0.55
5,100.00	82.99	266.65	4,384.58	-113.75	-1,236.04	1,238.68	2.17	2.10	0.54
5,200.00	85.09	267.19	4,394.97	-119.08	-1,335.35	1,338.09	2.17	2.10	0.54
5,300.00	87.18	267.72	4,401.71	-123.51	-1,435.02	1,437.85	2.17	2.10	0.53
5,400.00	89.28	268.26	4,404.79	-127.02	-1,534.90	1,537.79	2.17	2.10	0.53
5,434.11	90.00	268.44	4,405.00	-128.00	-1,569.00	1,571.90	2.17	2.10	0.53
"LP/FTP" 90.00° @ 5434'MD - LP/FTP									
5,500.00	90.00	268.44	4,405.00	-129.80	-1,634.86	1,637.79	0.00	0.00	0.00
5,600.00	90.00	268.44	4,405.00	-132.52	-1,734.82	1,737.79	0.00	0.00	0.00
5,700.00	90.00	268.44	4,405.00	-135.25	-1,834.79	1,837.79	0.00	0.00	0.00
5,800.00	90.00	268.44	4,405.00	-137.98	-1,934.75	1,937.79	0.00	0.00	0.00
5,900.00	90.00	268.44	4,405.00	-140.71	-2,034.71	2,037.79	0.00	0.00	0.00
6,000.00	90.00	268.44	4,405.00	-143.43	-2,134.68	2,137.79	0.00	0.00	0.00
6,100.00	90.00	268.44	4,405.00	-146.16	-2,234.64	2,237.79	0.00	0.00	0.00
6,200.00	90.00	268.44	4,405.00	-148.89	-2,334.60	2,337.79	0.00	0.00	0.00
6,300.00	90.00	268.44	4,405.00	-151.62	-2,434.56	2,437.79	0.00	0.00	0.00
6,400.00	90.00	268.44	4,405.00	-154.34	-2,534.53	2,537.79	0.00	0.00	0.00
6,500.00	90.00	268.44	4,405.00	-157.07	-2,634.49	2,637.79	0.00	0.00	0.00
6,600.00	90.00	268.44	4,405.00	-159.80	-2,734.45	2,737.79	0.00	0.00	0.00
6,700.00	90.00	268.44	4,405.00	-162.53	-2,834.42	2,837.79	0.00	0.00	0.00
6,800.00	90.00	268.44	4,405.00	-165.25	-2,934.38	2,937.79	0.00	0.00	0.00
6,900.00	90.00	268.44	4,405.00	-167.98	-3,034.34	3,037.79	0.00	0.00	0.00
7,000.00	90.00	268.44	4,405.00	-170.71	-3,134.30	3,137.79	0.00	0.00	0.00
7,100.00	90.00	268.44	4,405.00	-173.44	-3,234.27	3,237.79	0.00	0.00	0.00
7,200.00	90.00	268.44	4,405.00	-176.16	-3,334.23	3,337.79	0.00	0.00	0.00
7,300.00	90.00	268.44	4,405.00	-178.89	-3,434.19	3,437.79	0.00	0.00	0.00

Planning Report

Database:	EDM_WA	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Company:	Seven Rivers Resources	**TVD Reference:**	KB: 4233' @ 4233.00usft
Project:	Lea Co. NM (NAD83)	**MD Reference:**	KB: 4233' @ 4233.00usft
Site:	Rover Operating - Malmar Unit 1H	**North Reference:**	Grid
Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Planned 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)
7,400.00	90.00	268.44	4,405.00	-181.62	-3,534.15	3,537.79	0.00	0.00	0.00
7,500.00	90.00	268.44	4,405.00	-184.35	-3,634.12	3,637.79	0.00	0.00	0.00
7,600.00	90.00	268.44	4,405.00	-187.07	-3,734.08	3,737.79	0.00	0.00	0.00
7,700.00	90.00	268.44	4,405.00	-189.80	-3,834.04	3,837.79	0.00	0.00	0.00
7,800.00	90.00	268.44	4,405.00	-192.53	-3,934.01	3,937.79	0.00	0.00	0.00
7,900.00	90.00	268.44	4,405.00	-195.26	-4,033.97	4,037.79	0.00	0.00	0.00
8,000.00	90.00	268.44	4,405.00	-197.98	-4,133.93	4,137.79	0.00	0.00	0.00
8,100.00	90.00	268.44	4,405.00	-200.71	-4,233.89	4,237.79	0.00	0.00	0.00
8,200.00	90.00	268.44	4,405.00	-203.44	-4,333.86	4,337.79	0.00	0.00	0.00
8,300.00	90.00	268.44	4,405.00	-206.17	-4,433.82	4,437.79	0.00	0.00	0.00
8,400.00	90.00	268.44	4,405.00	-208.89	-4,533.78	4,537.79	0.00	0.00	0.00
8,500.00	90.00	268.44	4,405.00	-211.62	-4,633.75	4,637.79	0.00	0.00	0.00
8,600.00	90.00	268.44	4,405.00	-214.35	-4,733.71	4,737.79	0.00	0.00	0.00
8,700.00	90.00	268.44	4,405.00	-217.08	-4,833.67	4,837.79	0.00	0.00	0.00
8,800.00	90.00	268.44	4,405.00	-219.80	-4,933.63	4,937.79	0.00	0.00	0.00
8,900.00	90.00	268.44	4,405.00	-222.53	-5,033.60	5,037.79	0.00	0.00	0.00
9,000.00	90.00	268.44	4,405.00	-225.26	-5,133.56	5,137.79	0.00	0.00	0.00
9,100.00	90.00	268.44	4,405.00	-227.99	-5,233.52	5,237.79	0.00	0.00	0.00
9,200.00	90.00	268.44	4,405.00	-230.71	-5,333.49	5,337.79	0.00	0.00	0.00
9,300.00	90.00	268.44	4,405.00	-233.44	-5,433.45	5,437.79	0.00	0.00	0.00
9,400.00	90.00	268.44	4,405.00	-236.17	-5,533.41	5,537.79	0.00	0.00	0.00
9,500.00	90.00	268.44	4,405.00	-238.90	-5,633.37	5,637.79	0.00	0.00	0.00
9,600.00	90.00	268.44	4,405.00	-241.62	-5,733.34	5,737.79	0.00	0.00	0.00
9,700.00	90.00	268.44	4,405.00	-244.35	-5,833.30	5,837.79	0.00	0.00	0.00
9,800.00	90.00	268.44	4,405.00	-247.08	-5,933.26	5,937.79	0.00	0.00	0.00
9,900.00	90.00	268.44	4,405.00	-249.81	-6,033.22	6,037.79	0.00	0.00	0.00
10,000.00	90.00	268.44	4,405.00	-252.53	-6,133.19	6,137.79	0.00	0.00	0.00
10,100.00	90.00	268.44	4,405.00	-255.26	-6,233.15	6,237.79	0.00	0.00	0.00
10,200.00	90.00	268.44	4,405.00	-257.99	-6,333.11	6,337.79	0.00	0.00	0.00
10,300.00	90.00	268.44	4,405.00	-260.72	-6,433.08	6,437.79	0.00	0.00	0.00
10,332.52	90.00	268.44	4,405.00	-261.60	-6,465.58	6,470.31	0.00	0.00	0.00
"TD" 90.00° @ 10332.52'MD - BHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - plan hits target center - Point	0.00	0.00	4,405.00	-261.60	-6,465.58	671,671.81	727,435.55	32.844983	-103.727376
LP/FTP - plan hits target center - Point	0.00	0.00	4,405.00	-128.00	-1,569.00	671,805.41	732,332.13	32.845272	-103.711430

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,985.00	2,985.00	9-5/8" Intermediate Casing	9-5/8	9-5/8

Planning Report

Database:	EDM_WA	**Local Co-ordinate Reference:**	Well Malmar Unit 1H
Company:	Seven Rivers Resources	**TVD Reference:**	KB: 4233' @ 4233.00usft
Project:	Lea Co. NM (NAD83)	**MD Reference:**	KB: 4233' @ 4233.00usft
Site:	Rover Operating - Malmar Unit 1H	**North Reference:**	Grid
Well:	Malmar Unit 1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,645.00	2,645.00	Yates		0.00	
2,935.00	2,935.00	Seven Rivers		0.00	
3,555.68	3,550.00	Queen		0.00	
4,030.93	3,960.00	Grayburg		0.00	
4,814.52	4,335.00	San Andres		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,200.00	3,200.00	0.00	0.00	KOP @ 3200'MD Build 5.00°/100'
4,686.32	4,303.25	-82.14	-832.10	Cont DLS 2.17° TFO 14.76
5,434.11	4,405.00	-128.00	-1,569.00	"LP/FTP" 90.00° @ 5434'MD
10,332.52	4,405.00	-261.60	-6,465.58	"TD" 90.00° @ 10332.52'MD