Ancell Environmental Consulting Services, LLC

December 29, 2025

New Mexico Oil Conservation Division
1220 South St Francis Drive
Santa Fe, New Mexico 87505

RE: Remediation Plan
Epic Energy South Blanco Federal 22 #5 Tank Battery
Unit P, Section 22, Township 24 North, Range 8 West
Facility ID fAPP2521256236
Incident #nAPP2521262223
San Juan County, New Mexico

To whom it may concern:

On behalf of Epic Energy (Operator), Ancell Environmental Consulting Services (AECS) has prepared the following Remediation Plan (Plan) to address the impacts of a release and propose continued remediation activities at the Epic Energy South Blanco Federal 22-5 Tank Battery (Site).

Site Description and Release Summary

The South Blanco Federal 22#5 wellpad is located in Unit P, Section 22 Township 24 North Range 08 West, Rio Arriba County, New Mexico (Figure 1). The Site is an active tank battery for the South Blanco Federal 22 #5, approximately 1,000 feet (ft) south of the wellpad (36.294547, -107.662110), and is located on federal land managed by the Bureau of Land Management (BLM).

On July 31, 2025, the lease operator found the pump unit down at the South Federal Blanco (SBF) 22#5 well and upon trying to restart the prime mover, he found the fuel gas system full of water and drilling mud. The casing on the well was pressured up and flowing drilling fluid. The SBF 22#5 well flows to the SBF 22#5 Tank Battery. Fluids traveled from the well to the Site where the separator was filled with drilling fluid, mud and cuttings which then dumped into an above ground storage tank (AST). The 300-barrel (bbls) AST overflowed, releasing 40 bbls of oil into the secondary containment. A hydrovac truck was able to recover 17 bbls of oil with a net volume loss of 23 bbls. The surface area of the release is estimated to be approximately 1,400 ft^2 and was limited to the area inside the unlined secondary containment for the ASTs.

The Lease Operator did not receive any notice or notification regarding the drilling of the Enduring Resources Ridge Unit 135H horizontal well which appears to have negatively impacted the SBF 22-5 well and tank battery, causing the major release to occur.

On July 31, 2025, the Operator verbally notified Laura Tulk and Brittany Hall of the NMOCD

and on the same day submitted the initial C-141 Notice of Release (NOR). On August 1, 2025, the Operator verbally notified Chris Wenman of the BLM and on the same day submitted the NTL 3A Notic of Major Undesirable Event via email. The original closure report was due on October 31, 2025; however, due to weather and legal issues, an extension was granted to December 29, 2025. All agency approvals and notifications are included in Appendix A.

Site Characterization

Potential nearby receptors were assessed through the desktop reviews of the United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Google Earth Pro (GEP) maps, New Mexico Office of the State Engineer (NMOSE) database, New Mexico Water Rights Reporting System (NMWRRS), Aerial photographs, and Site-specific observations. Results from the desktop characterization review are presented below and potential site receptor are identified on Figure 2. Supplemental Site Characterization documentation is attached in Appendix B.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within 0.5 miles (800 meters) of the Site. The Site is located approximately 2.58 miles from the closest NMOSE permitted well SJ 02686 point of diversion (POD). The recorded depth to water on the NMOSE database is 690 ft below ground surface (bgs) and is approximately 209 ft higher in elevation than the Site.

The closest continuously flowing or significant watercourse to the Site as defined in 19.15.17.7 NMAC is an unnamed tributary of Blanco Wash located 125 ft north of the release. All water features and elevations were determined using National Wetlands Inventory Mapper and the U.S. Geological Survey, 2023, Crow Mesa West Quadrangle New Mexico, 1:24,000, 7.5-minute Series (Topographic).

There are no registered private or domestic water sources listed within a half mile of the release area in the New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) imaging database in the same or adjacent Public Land Survey System (PLSS) sections. Additional site considerations showed there are no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains located within the distances specified in 19.15.29.12.(4) NMAC.

A review of the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Survey mapped the soil in the immediate vicinity of the release as Blancot-Notal association. The Blancot unit is described as fan alluvium derived from sandstone and shale with loam from the surface down to 2 inches, sandy clay loam from 2 to 15 inches and clay loam from 15 to 60 inches. The Notal unit is described as stream alluvium derived from sandstone and shale. The published typical soil profile is silt

clay loam from the surface down to 3 inches and clay from 3 to 60 inches bgs. The full NRCS Soil Report in included in Appendix C.

Closure Criteria for Soils Impacted by a Release

The information provided in the Site Characterization above estimates that the depth to groundwater is 481 ft bgs. However, based on the distance to surface water, the most stringent closure criteria must be applied for soil screening levels.

	Benzene (mg/kg)	Total BTEX (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
Table I Closure Criteria (19.15.29.12 NMAC)	**10**	**50**	**100**	**600**

Remediation Activities

Between October 28 and December 10, 2025, Epic Energy contractors conducted excavation activities at the Site. Excavation activities included the removal of hydrocarbon impacted soil with staining and a strong odor in the footprint of the secondary containment down to 13 ft.

On December 2 and 10, 2025, AECS collected a total of sixteen (16) 5-point composite soil samples (SC1 through SC16) from the walls and base of the excavation. Composite samples SC1 through SC4 were collected from the upper 3.5 ft of the walls of the excavation. Composite samples SC5 through SC16 were collected from the lower 3.5 ft to 13 ft of the walls and base of the excavation (Figure 3). The final excavation extent measures 36 ft by 52 ft by 13 ft deep.

All confirmation soil samples were submitted for laboratory analysis. All soil samples were collected into a new, clean, laboratory-supplied container, labeled with the location, date, time, and sampler name, and placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico. Soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) per United States Environmental Protection Agency (USEPA) Method 8021B; total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) per USEPA Method 8015M; and chloride per USEPA Method 300.0.

Laboratory analytical results show that all contaminants of concern were below NMOCD Table 1 Closure Criteria with the exception of SC-6 for TPH (230 mg/kg) and SC-13 for chloride (714 mg/kg). The laboratory analytical results are presented on Table 1. The laboratory reports are included in Appendix D. A photographic log is attached.

In order to consolidate efforts and reduce cumulative environmental impacts, clean, like-material void of noxious weed from the Envirotech was transported to the Site and is being stockpiled onsite for reclamation purposes.

Proposed Site Remediation

AECS proposes to complete remediation of the two areas remaining above closure criteria (SC-6 and SC-13) by delineating while excavating based on the following recommendations and considerations (Figure 4):

- During excavation activities along the east wall (SC-6) and southeast base (SC-13), field screening for TPH with a PetroFlag hydrocarbon analyzer will be used to delineate the final excavation extents. Field measurements for chlorides will be obtained using an Extech ec400 EC Meter.
- 48-hour confirmation sampling notifications will be submitted to the NMOCD and BLM.
- Confirmation 5-point composite samples will be collected from all existing side walls and the base of the excavation where each composite sample is not representative of more than 200 square ft.
- All soil samples collected for laboratory analysis will be placed into a new, clean, laboratory-supplied container, which was labeled with the location, date, time, and sampler name, placed on ice. The soil samples will be transported under strict chain-of-custody procedures to Envirotech in Farmington, New Mexico. All laboratory soil samples will be submitted for analysis of BTEX per USEPA 8021, TPH (as GRO, DRO, and MRO) per USEPA 8015 and chloride per USEPA 300.0.
- Excavation activities will continue until contaminant concentrations are below the most stringent levels listed in the Table 1 Closure Criteria.
- Benching and sloping safety precautions may be utilized during excavation activities, with specific focus on the east and south wall. All newly exposed surfaces will be subject to the same sample confirmation sampling procedures and frequency with no composite sample representing more than 200 square ft.
- AECS proposes to use the soil removed during benching and sloping for backfill and reclamation purposes. The volume of soil to be stripped from the upper 3.5 to 4 ft of the east and south wall is estimated to be 700 cubic ft (26 cubic yards)(Figure 4). Per conversation with the NMOCD, the site is located in a sensitive area, within 300 ft of an ephemeral drainage, and as such one (1) 5-point composite sample per 20 cubic yards will be collected to determine the viability of the soil for on-site stockpiling as future backfill. Samples will be submitted for laboratory confirmation of BTEX, TPH, and chloride. The agency correspondence is included in Appendix A.
- Backfill material will continue to be transported and stored onsite.
- The impacted soils will be transported to Envirotech Landfarm for disposal. Upon completion, the excavation will be backfilled with non-waste containing, weed free, 'like' material from an approved off-site facility.
- All field notes and a photographic log will be included in the Closure Report along with the associated laboratory report(s).
- AECS proposes an additional **90 days** to complete the additional remediation activities and associated closure report.

Epic Energy believes this Plan addresses its contractual responsibility for damage to federal

lands caused by oil and gas operations at the Site and is protective of human health, the environment, and groundwater. Epic Energy respectfully requests approval of this Plan for continued remediation activities at the South Blanco Federal 22#5 Tank Battery.

If you have any questions, please contact AECS at (970) 946-9869 or (970) 946-1123.

Sincerely,

Emilee Skyles

Emilee Skyles
Project Manager/Geologist

Brian Skyles

Brian Skyles
Project Manager/Biologist

Figures

Figure 1. Site Location Map
Figure 2. Potential Site Receptors
Figure 3. Excavation Extent and Sample Locations
Figure 4. Proposed Remediation Activities

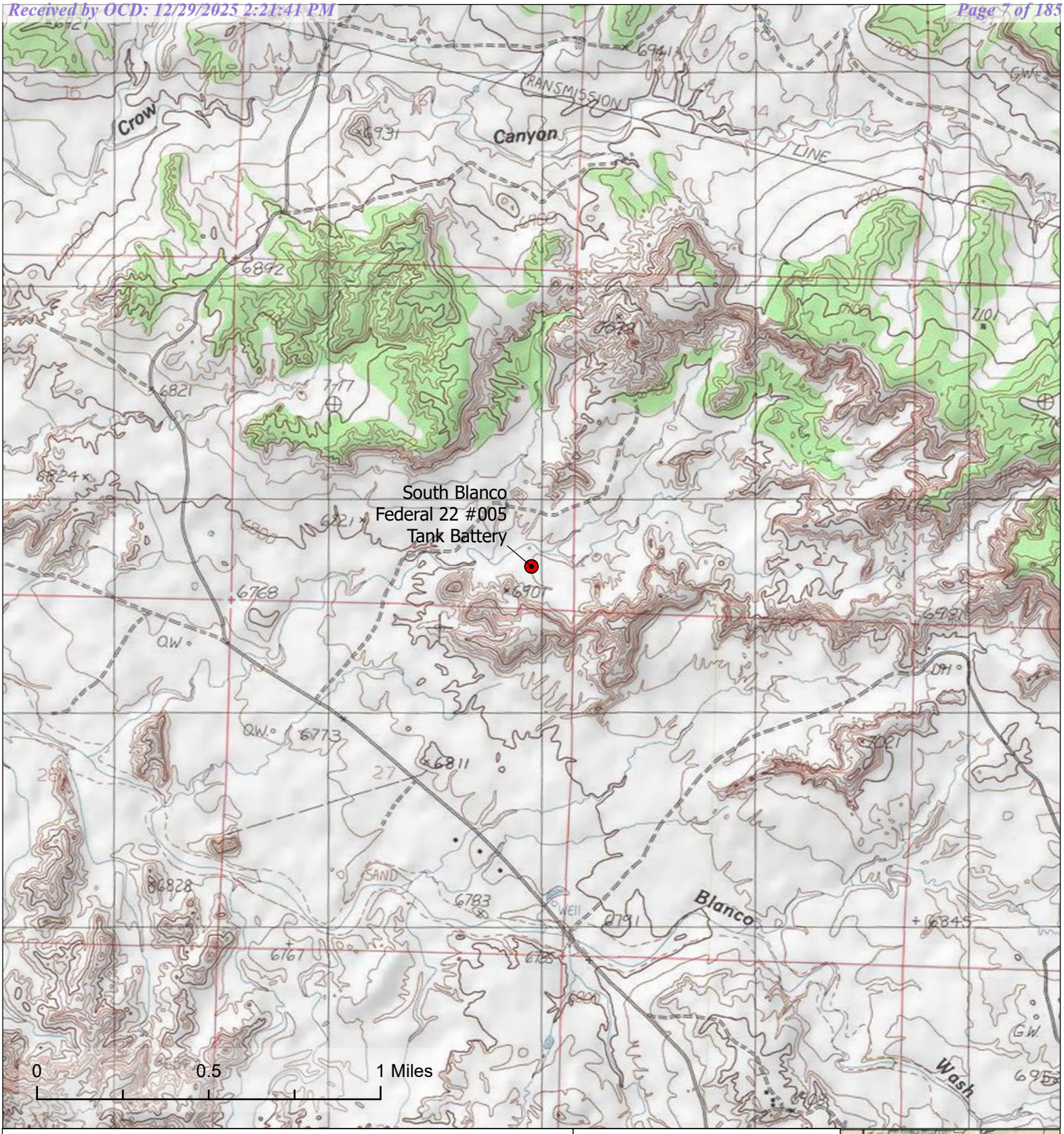
Photographic Log

Excavation Photographic Log

Appendix A

Appendix A. Agency Correspondence
Appendix B. Site Characterization Data
Appendix C. NRCS Soil Report
Appendix D. Laboratory Analytical Reports

FIGURES



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Epic Energy South Blanco Federal 22-5
Tank Battery Release
Facility ID fAPP2521256236
Incident #nAPP2521262223
San Juan County, New Mexico

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Tank Battery

UTM NAD 83: Zone 13N; 260909E 4019883N | 107.66245°W 36.29432°N
SE1/4. SE1/4, Section 22, T24N, R8W; NM PM | USGS Crow Mesa West, NM Quadrangle (1:2,4000; 1985)
Scale: 1:24,000 | San Juan County, New Mexico

Figure 1
Site Vicinity Map

Ancell Environmental Consulting Services 2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Walsh Engineering
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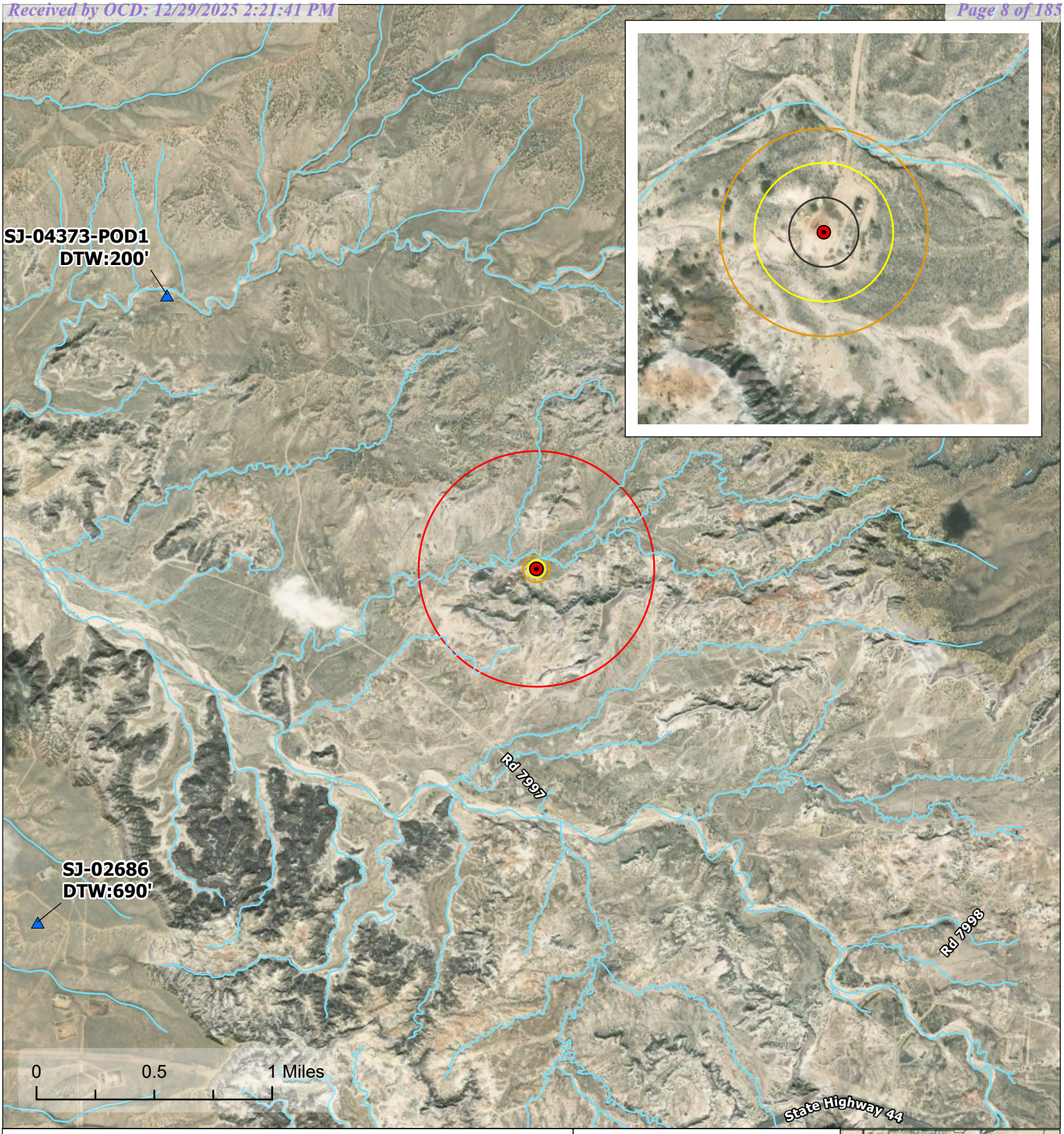

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Epic Energy South Blanco Federal 22-5
Tank Battery Release
Facility ID fAPP2521256236
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San Juan County, New Mexico

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- Tank Battery
- Active OSE Water Well
- 100' Buffer
- 200' Buffer
- 300' Buffer
- 0.5 Mile Buffer

UTM NAD 83: Zone 13N; 260875E 4019899N | 107.66283°W 36.29446°N
SE1/4. SE1/4, Section 22, T24N, R8W; NM PM | USGS Crow Mesa West, NM Quadrangle (1:2,4000; 1985)
Scale: 1:35,000 | San Juan County, New Mexico

Figure 2
Site Receptor Map

Ancell Environmental
Consulting Services
2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Walsh Engineering
Date Exported: 12/23/2025 11:07 AM

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Epic Energy South Blanco Federal 22-5
Tank Battery Release
Facility ID fAPP2521256236
Incident #nAPP2521262223
San Juan County, New Mexico

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- Sample - Over Threshhold
- Sample - Under Threshhold
- Excavation Extent
- Excavation Ramp

UTM NAD 83: Zone 13N; 260938E 4019902N | 107.66213°W 36.29449°N
SE1/4. SE1/4, Section 22, T24N, R8W; NM PM | USGS Crow Mesa West, NM Quadrangle (1:2,4000; 1985)
Scale: 1:256 | San Juan County, New Mexico

Figure 3
Excavation Extent
and Sample Locations

Ancell Environmental
Consulting Services
2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Walsh Engineering
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Epic Energy South Blanco Federal 22-5
Tank Battery Release
Facility ID fAPP2521256236
Incident #nAPP2521262223

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Continued Delination and Excavation
Excavation Extent (52 ft by 36 by 13 ft deep)
Bench Extent
Excavation Ramp

UTM NAD 83: Zone 13N; 260938E 4019902N | 107.66213°W 36.29449°N
SE1/4. SE1/4, Section 22, T24N, R8W; NM PM | USGS Crow Mesa West, NM Quadrangle (1:2,4000; 1985)
Scale: 1:256 | San Juan County, New Mexico

Figure 4
Remediation
Recommendations

Ancell Environmental
Consulting Services
2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Walsh Engineering
Date Exported: 12/23/2025 11:21 AM

TABLES

Table 1. Excavation Clearance Laboratory Analytical Results
Epic Energy South Blanco Federal 22-5
Incident #nAPP2521262223
Lease Number NM23233
Unit P Section 22 Township 24 North Range 8 West
36.294335, -107.6622018
Rio Arriba County, New Mexico

				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Critera (19.15.29 NMAC)				**10**	**--**	**--**	**--**	**50**	**--**	**--**	**--**	**100**	**600**
Sample Date	Sample ID	Sample Location	Sample Depth (ft bgs)										
12/2/25	SC-1	Upper West Wall	0 to 3.5	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	212
12/2/25	SC-2	Upper North Wall	0 to 3.5	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	360
12/2/25	SC-3	Upper East Wall	0 to 3.5	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	217
12/2/25	SC-4	Upper South Wall	0 to 3.5	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	508
12/10/25	SC-5	Lower North Wall	3.5 to 13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	158
12/10/25	SC-6	Lower East Wall	3.5 to 13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	**714**
12/10/25	SC-7	Lower South Wall	3.5 to 13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	207
12/10/25	SC-8	Lower West Wall	3.5 to 13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	240
12/10/25	SC-9	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	169
12/10/25	SC-10	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	139
12/10/25	SC-11	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	133
12/10/25	SC-12	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	217
12/10/25	SC-13	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	164	66.2	**230**	170
12/10/25	SC-14	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	256
12/10/25	SC-15	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	321
12/10/25	SC-16	Base	13	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<20.0	<25.0	<50.0	<95.0	290

NOTES:
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
BTEX - benzene, toluene, ethylbenzene, and total xylenes
mg/kg - milligrams/kilograms
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
-- threshold value not established
ft bgs - feet below ground surface
< - analyte not detected at or above the reporting limit

PHOTOGRAPHIC LOGS

Photgraphic Log
Epic Energy South Blanco Federal 22-5 TB Release Incident ID nAPP2521262223

Photo 1 Looking south across excavation
11/4/25

Photo 2 Looking north across excavation
11/4/25

Photo 3 North Wall
11/4/25

Photo 4 East Wall
11/4/25

Photgraphic Log
Epic Energy South Blanco Federal 22-5 TB Release Incident ID
nAPP2521262223

Photo 5 South Wall
11/4/25

Photo 6 West Wall
11/4/25

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Photgraphic Log
Epic Energy South Blanco Federal 22-5 TB Release Incident ID
nAPP2521262223

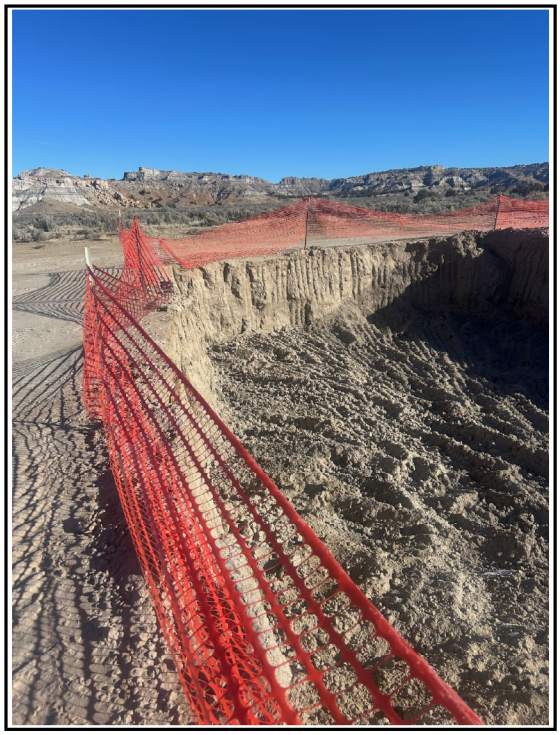

Photo 9 North wall
12/10/25

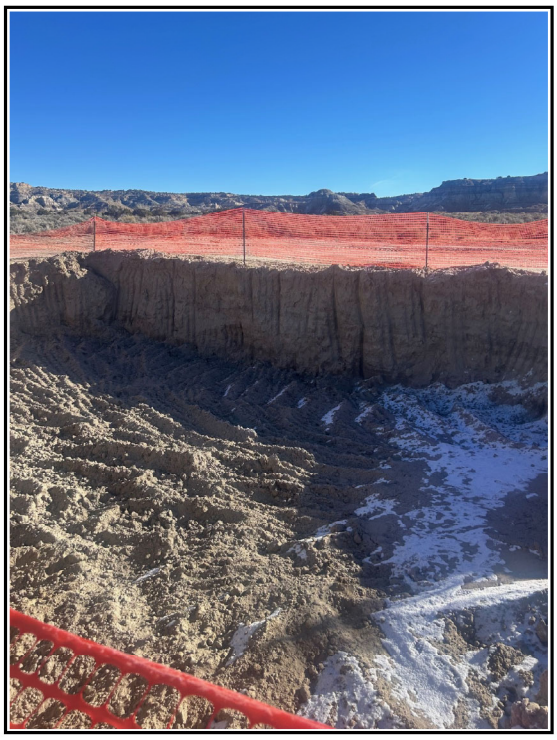

Photo 10 East wall
12/10/25

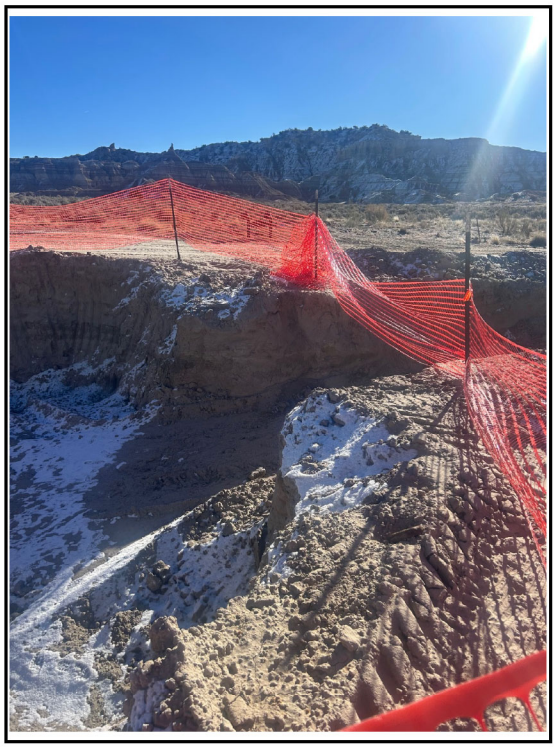

Photo 11 South wall
12/10/25

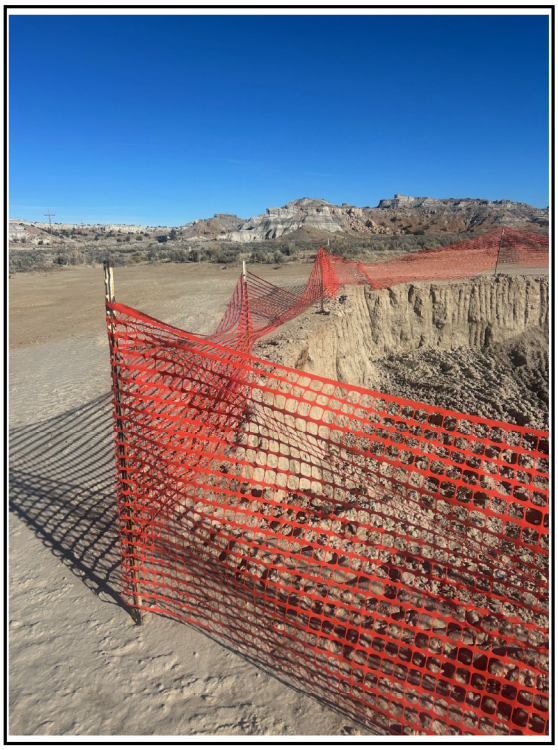

Photo 12 West wall
12/10/25

APPENDIX A

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

QUESTIONS

Action 491127

QUESTIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 491127
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	South Blanco Federal 22 #5 Tank Battery
Date Release Discovered	07/31/2025
Surface Owner	Federal

Incident Details *Please answer all the questions in this group.*	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 40 BBL | Recovered: 17 BBL | Lost: 23 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

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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

QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 491127
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

General Information
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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

ACKNOWLEDGMENTS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 491127
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
☑	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☑	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 491127
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
smartinez	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/31/2025

Epic Energy South Blanco Federal 22 #5 Tank Battery
Unit P, Section 22, Township 24 North, Range 8 West
Facility ID fAPP2521256236
Incident #nAPP2521262223
San Juan County, New Mexico

SPILL CALCULATION

The release was confined to the AST secondary containment with an estimated impacted surface area of 1,200 square feet. The depth of vertical contamination is unknown at this time.

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

QUESTIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 498071
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2521262223**
Incident Name	**NAPP2521262223 SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2521256236] South Blanco Federal 22 5 TB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	South Blanco Federal 22 #5 Tank Battery
Date Release Discovered	07/31/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 40 BBL | Recovered: 17 BBL | Lost: 23 BBL.
Produced Water Released (bbls) Details	Cause: Other | Other (Specify) | Produced Water | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Other | Other (Specify) | Condensate | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Cause: Other | Other (Specify) | Natural Gas Vented | Released: 0 Mcf | Recovered: 0 Mcf | Lost: 0 Mcf.
Natural Gas Flared (Mcf) Details	Cause: Other | Other (Specify) | Natural Gas Flared | Released: 0 Mcf | Recovered: 0 Mcf | Lost: 0 Mcf.
Other Released Details	Cause: Overflow - Tank, Pit, Etc. | Other (Specify) | Crude Oil | Released: 40 BBL | Recovered: 17 BBL | Lost: 23 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	None

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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

QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 498071
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Shawna Martinez Title: Regulatory Technician Email: shawna@walsheng.net Date: 08/21/2025

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Phone: (505) 476-3441

General Information
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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

QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 498071
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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CONDITIONS

Action 498071

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 498071
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/21/2025

Sundry Print Report

115% search report

AFMSS

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

Sundry Print Report
09/03/2025

Well Name: SOUTH BLANCO FEDERAL 22

Well Location: T24N / R8W / SEC 22 / NESE / 36.297188 / -107.662169

County or Parish/State: SAN JUAN / NM

Well Number: 5

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM23233

Unit or CA Name:

Unit or CA Number:

US Well Number: 300453426000S1

Operator: EPIC ENERGY LLC

Subsequent Report

Sundry ID: 2870560

Type of Submission: Subsequent Report

Type of Action: Other

Date Sundry Submitted: 08/28/2025

Time Sundry Submitted: 12:41

Date Operation Actually Began: 07/31/2025

Actual Procedure: Please see attached Undesirable Event for the South Blanco Federal tank battery.

SR Attachments

Actual Procedure

SBF_22_5_TB___UNDESIRABE_EVENT___BLM_20250828124102.pdf

Sundry Print Report

115% search report

US Well Number: 300453426000S1

Operator: EPIC ENERGY LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAWNA MARTINEZ

Signed on: AUG 28, 2025 12:41 PM

Name: EPIC ENERGY LLC

Title: Regulatory Tech

Street Address: 332 RD 3100

City: AZTEC **State:** NM

Phone: (505) 327-4892

Email address: SHAWNA@WALSHENG.NET

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: DAVE J MANKIEWICZ

BLM POC Title: AFM-Minerals

BLM POC Phone: 5055647761

BLM POC Email Address: DMANKIEW@BLM.GOV

Disposition: Accepted

Disposition Date: 09/03/2025

Signature: Dave J Mankiewicz

ATTACHMENT 2

United States Department of Interior
Bureau of Land Management
Major Undesirable Event Report[1]

Report Type: Initial 24-Hour X		15-Day/Final ☐		Other/Follow-up ☐	
BLM Field Office: Farmington				State: New Mexico	
BLM Contact: Abiodun Adeloye		Date of this Report:8/1/2025			
Company Official Reporting to BLM: Vern Andrews					
Operator: Epic Energy, LLC					
Date/Time of Occurrence: 7/31/2025 11:00am		Date/Time BLM Notified: 8/1/2025 9:30am			
Field/Unit Name: South Blanco Federal 22 #005 TB		Lease Number: NM 23233			
State: NM	County: San Juan	Twp: 24N	Rng: 08W	Sec: 22	Qtr: SESE
:Intentionally left blank					
Surface Ownership:	Federal: X	Indian: ☐	State: ☐	FEE ☐	

Type and Relevant Details of Event

Oil Spill X	Oil/Water Spill ☐	Gas Venting☐	Toxic Fluid Spill ☐
Saltwater Spill ☐	Other Spill (Specific) ☐	Blowout ☐	Fire ☐
Injury ☐	Fatality ☐	Property Damage ☐	Explosion ☐

Nature and Cause of Event: Lease Operator found the South Blanco Federal 22 #5 pump unit down and when he tried to restart the prime mover, he found the fuel gas system full of water and drilling mud. The well was impacted by the Enduring Resources – Ridge Unit #135H lateral being drilled. The casing on the well was pressured up and flowing drilling fluid. A sample was taken for engineering. The SBF 22-5 well flows to the South Blanco Federal 22-5 Tank Battery located 1000 feet south of the well site. The separator was filled with drilling fluid, mud and cuttings and dumped all fluids to oil tank GI4049, which overflowed, releasing 40 bbls of crude oil into the tank berm. All fluid was contained in the tank berm.

Environmental Impact: There has been no environmental impact.

Time Required to Control Event (Hours) :	
Volume Discharged or Consumed:	OIL: _40___ bbls WATER:_____ bbls GAS:
Volumes Recovered:	OIL: _17___ bbls WATER:_____ bbls
Net Volume Lost:	OIL: _23___ bbls WATER:_____ bbls

Action Taken to Control Event: A vac truck was dispatched to the tank battery and all free fluid was sucked up and placed in tank GI11040, 17 bbls of oil recovered.

Resulting Damage:

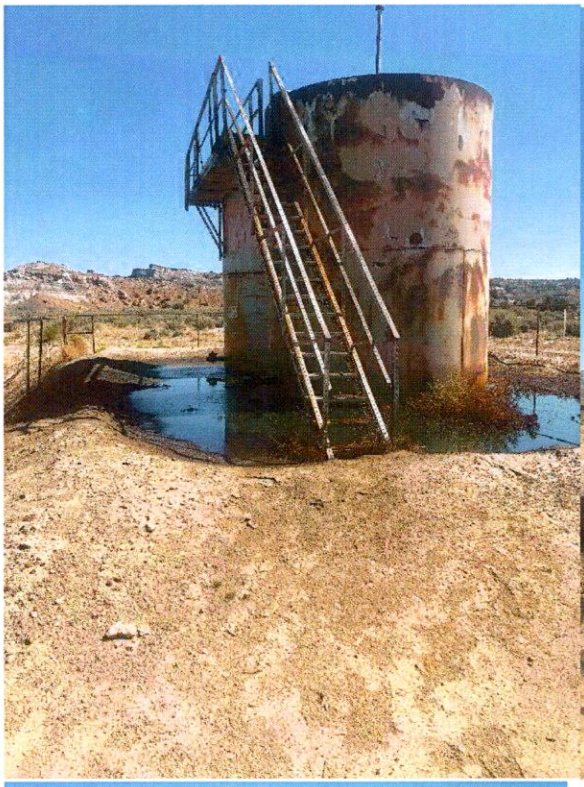
Clean-Up Procedures: Still in process pending submission and approval of a site remediation plan.

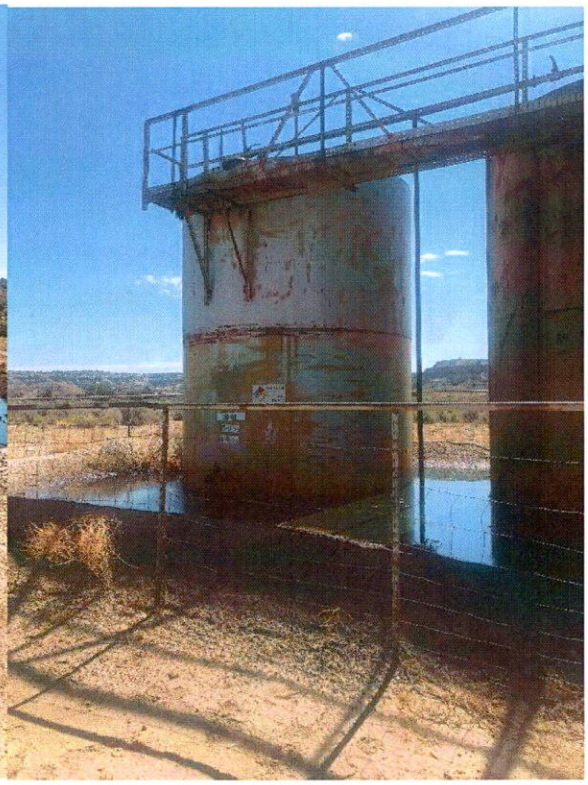
Cause/Extent of Personal Injury: NONE

Actions the operator has taken or will take to prevent a recurrence of the incident: The incident was caused by lack of notification of drilling proximity by another operator. A request for greater oversite to protect wellbore integrity will be submitted to the BLM

[1] As required per *Section III* , NTL-3A, Federal Register Notice Vol. 44-No. 7, Wednesday, January 10, 1979, [NTL-3A] Reporting Of Undesirable Events, Notice to Lessees and Operators; P. 2204-2206

Agency Notification List: (Federal/State/Local):	Agency Name	Contact Name	Date/Time
	NMOCD		7/31/2025 5:17pm
	BLM		8/1/2025 9:30am
Remarks: Include available Major Undesirable Events (MUE) history (attach additional sheet, if needed) for the past 3 years of the same well. Include pictures, if available			





Attachment 2-2

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

Sundry Print Report
08/28/2025

Well Name: SOUTH BLANCO FEDERAL 22

Well Location: T24N / R8W / SEC 22 / NESE / 36.297188 / -107.662169

County or Parish/State: SAN JUAN / NM

Well Number: 5

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM23233

Unit or CA Name:

Unit or CA Number:

US Well Number: 300453426000S1

Operator: EPIC ENERGY LLC

Notice of Intent

Sundry ID: 2869587

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 08/26/2025

Time Sundry Submitted: 09:25

Date proposed operation will begin: 09/02/2025

Procedure Description: The release occurred at the South Blanco Federal 22 #5 tank battery. P 22 24N 08W Rio Arriba County, New Mexico The site is an active tank battery for the South Blanco Federal 22 #5. The SBF 22 #5 well flows to the SBF 22 #5 tank battery approximately 1000 feet south of the well site. Fluids traveled from the well site to the tank battery.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Epic_Energy_SBF_22_5_Tank_Battery_Remediation_Work_Plan__nAPP2521262223__20250826092428.pdf

Well Name: SOUTH BLANCO FEDERAL 22

Well Location: T24N / R8W / SEC 22 / NESE / 36.297188 / -107.662169

County or Parish/State: SAN JUAN / NM

Well Number: 5

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM23233

Unit or CA Name:

Unit or CA Number:

US Well Number: 300453426000S1

Operator: EPIC ENERGY LLC

Conditions of Approval

Additional

GeneralCOASoilRemoval_20250828094958.pdf

Final_T_E_Evaluation_Form_Epic_South_Blanco_Federal_22__5_Soil_Remediation_08.2025_20250828094903.pdf

Cultural_Final_NM_210_2025_036_20250828094836.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAWNA MARTINEZ

Signed on: AUG 26, 2025 09:25 AM

Name: EPIC ENERGY LLC

Title: Regulatory Tech

Street Address: 332 RD 3100

City: AZTEC **State:** NM

Phone: (505) 327-4892

Email address: SHAWNA@WALSHENG.NET

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: DAVE J MANKIEWICZ

BLM POC Title: AFM-Minerals

BLM POC Phone: 5055647761

BLM POC Email Address: DMANKIEW@BLM.GOV

Disposition: Approved

Disposition Date: 08/28/2025

Signature: Dave J Mankiewicz

Conditions of Approval for Soil Removal Requests
Occurring on the Well Pad Surface

Operator: Epic Energy, LLC
Well/Facility Name: South Blanco Federal 22 #5
Legal Description: T24N, R8W Sec 22

Disclaimers: BLM's approval of this remediation plan does not relieve the lessee an operator from obtaining any other authorizations that may be required by other jurisdictional entities. These COA's may reiterate COAs attached to original permit though they do not negate any COA's attached to the original permit.

1. Epic Energy, LLC will notify the BLM at least 24 hours prior to any confirmation soil or air sampling event. Contact Abiodun (Emmanuel) Adeloye at aadeloye@blm.gov or 505-564-7665 (office) or 505 635-0984 (cell)

2. The Soil Removal activity is approved for any soil removal occurring on the existing pad. If during the excavation, the contamination appears to be moving off pad the soil removal activities will be required to stop immediately, and the operator will notify the BLM/ BLM cultural resources staff of the soil removal location and request protocol for conducting further soil removal outside of the existing pad. A new request shall be submitted via Sundry (form 3160-005).

3. The backfill materials for the excavated area must be obtained from an approved landfarm, void of noxious weeds.

4. Construction, construction maintenance or any other activity outside the approved areas will require additional approval and may require a new cultural survey and clearance.

5. Employee Education: All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles, and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

6. Discovery of Cultural Resources during Monitoring: If monitoring confirms the presence of previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the monitor will promptly report the discovery to the BLM Field Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery in accordance with 36 CFR Section 800.13, in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property, or in

accordance with an approved program alternative. Minor recordation, stabilization, or data recovery may be performed by BLM or a third party acting on its behalf, such as a permitted cultural resources consultant. If warranted, more extensive archaeological or alternative mitigation, likely implemented by a permitted cultural resources consultant, may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any mitigations determined appropriate through the agency's Section 106 consultation are completed.

7. Discovery of Cultural Resources in the Absence of Monitoring: If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery the operator will suspend work, and the discovery will be promptly reported to BLM Field Manager. The same procedures to remedy the discovery in above section will be adhered to. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGPRA) of 1990, as amended, and other applicable laws.

8. Damage to Sites: If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare a BLM approved damage assessment and/or data recovery plan. The operator/holder agrees at his/her expense to implement a mitigation that the agency finds appropriate given the significance of the site, which the agency determines in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property. This mitigation may entail execution of the data recovery plan by a permitted cultural resources consultant and/or alternative mitigations. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws.

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Farmington Field Office

REQUEST FOR THREATENED AND ENDANGERED (T&E) / SPECIAL STATUS SPECIES SPECIES PROPOSAL EVALUATION

Accomplishment Number

Instructions: Double Form: 1) the upper portion - a request for and 2) the lower portion – evaluation of need for Formal Consultation

TO: Resource Area Special Status Species, T&E Species, Migratory Birds

Please evaluate this proposed action relative to possible affects on any Federally listed T&E, proposed Federal T&E, State listed T&E, or Special Status Species which may occur in the proposed location.

Description of the proposed Action and Case Reference Number:South Blanco Federal 22 #5 Tank Battery: Epic Energy, LLC has proposed to remediate the contaminated soil as a result of a release that occurred at South Blanco Federal 22 #5 Tank Battery location. The proposed remediation would involve the use of machine (back hole tractor) to excavate the impacted area, and the impacted soil would be taken to an approved private farmland, and the clean soil void of noxious weeds would be brought to back fill the excavated area. No off-pad activity is anticipated with this proposed work plan.
Please see the attached map.

LOCATION	PROPOSEE
T24N R8W Sec 22	Emmanuel Adeloye (NRS) Signature of Initiating Official & Title August 26, 2025 Date

This proposal and relative data have been analyzed concerning the following species:SSS and habitat

The analysis indicates that there would be a ☒No- ☐May- affect situation as a result of approving this described proposed action and Formal Consultation ☐ is ☒is not necessary.

This proposal is a ☒ minor construction ☐major construction.

Method of Analysis: ☒ Field Examination ☒ Data bank/GIS ☐ Other (explain)

COMMENTS No impacts to any BLM sensitive spp anticipated. No individuals found in the PPA and surrounding area, and activity is limited to existing disturbance.

Evaluated by

Level 1 Biologist		Level 2 Biologist	
/s/ John Kendall (Signature)	8/27/25 (Date)	/s/ Rylee Hostrawser (Signature)	8/27/25 (Date)

070-6843-01
(Sept. 2000)

IN-HOUSE ARCHEOLOGICAL SURVEY DETERMINATION NM-210-2025-036
FARMINGTON FIELD OFFICE

Case No./Name: South Blanco Federal 22 #5 Date Submitted: August 26, 2025
Company: Epic Energy, LLC
Type of Case: Soil Remediation

IS A CULTURAL RESOURCE INVENTORY REQUIRED?

☐ Proposal involves non-Federal lands.
☐ Proposal is within an existing right-of-way.
☐ Proposal is along an existing road.
☒ Proposal is within an existing disturbed area.
☐ The well pad is to be expanded feet to the .
☒ Other: Epic Energy, LLC has proposed to remediate the contaminated soil as a result of a release that occurred at South Blanco Federal 22 #5 Tank Battery location. The proposed remediation would involve the use of machine (back hole tractor) to excavate the impacted area, and the impacted soil would be taken to an approved private farmland, and the clean soil void of noxious weeds would be brought to back fill the excavated area. No off-pad activity is anticipated with this proposed work plan.
Project Location: T24N R8W Sec 22
Please see the attached map.
Thank you.

NOTE: Attach map (e.g., USGS map, survey plat, GIS) and other supporting information as needed. If you are proposing to use a previously culturally surveyed area, identify by BLM cultural case number if known.

Submitted by: Emmanuel Adeloye (NRS)

CULTURAL RESOURCE SPECIALIST RECOMMENDATIONS

☐ Inventory for cultural resources **is** required.

☒ Inventory for cultural resources **is not** required for the reason(s) indicated below.

☐ Previous natural ground disturbance has modified the surface so extensively that the likelihood of finding cultural properties is negligible (e.g., within a floodplain), or

☒ Human activity has created a new land surface to such an extent as to eradicate traces of cultural properties, or

☐ Existing Class II or equivalent inventory or environmental data are sufficient to indicate that there is no likelihood of finding a National Register or eligible property, or

☒ Inventory at the Class III level of intensity has previously been performed and records adequately documenting the location, methods, and results of the inventory are available in report no. NMCRIS No 132205 or 25028

☐ Natural environmental characteristics are unfavorable to the presence of cultural properties (such as recent landslide or rock falls), or

☐ The nature of the proposed action is such that no impact can be expected on significant cultural resources (e.g. land use will not require any surface disturbing action, e.g., aerial spraying, hand application of chemicals, travel on existing roads, etc.), or

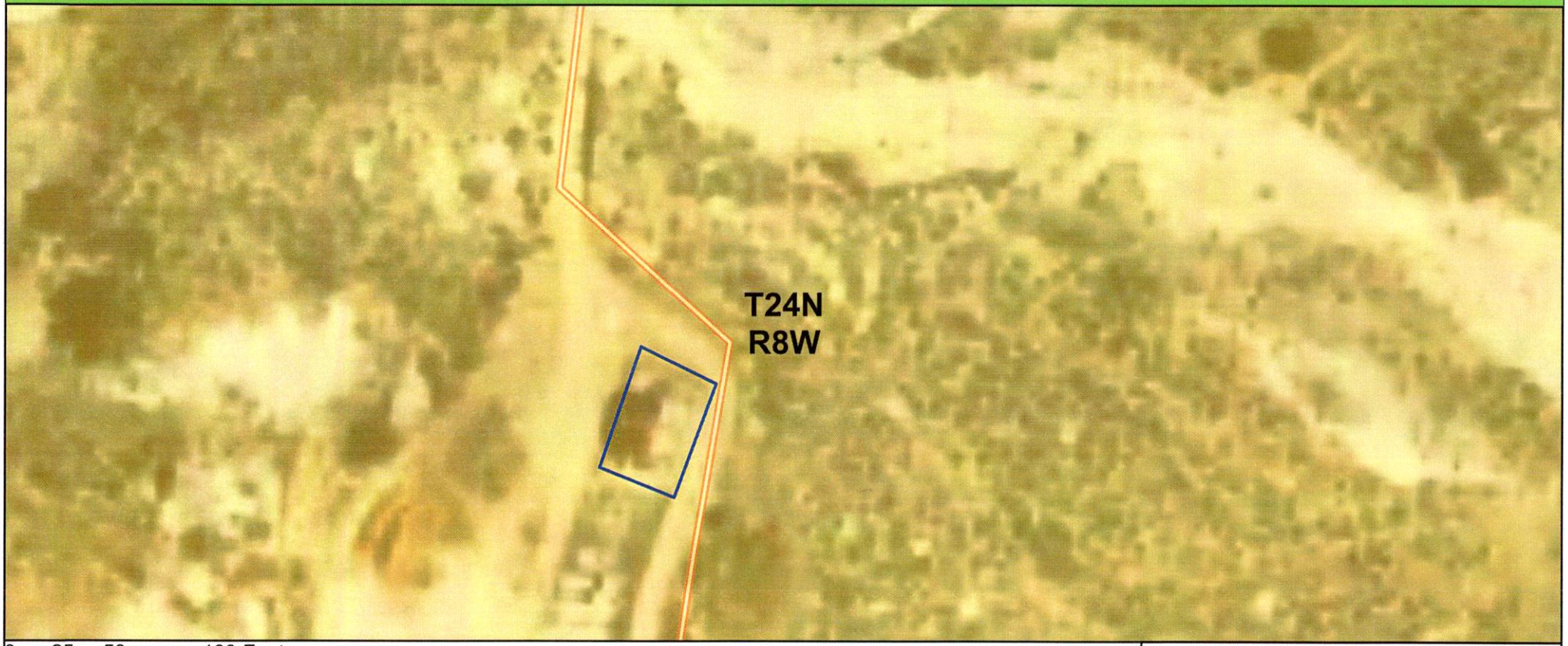
☐ Other:

Recommended by: Kim Adams Date: August 26, 2025
Archaeologist

The proposed remediation area must stay in the existing disturbance. No new surface disturbance is being permitted. If any new disturbance is needed, a new Class III Archaeological Survey will be required.

South Blanco Federal 22 #5

U.S. Department of Interior
Bureau of Land Management



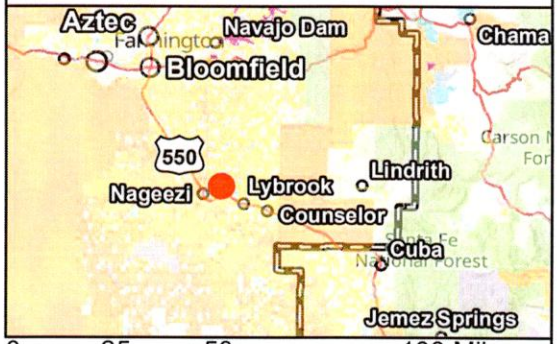
0 25 50 100 Feet

N

- Section
- BLM Roads
- Farmington Field Office Boundary
- Township
- Section
- Impacted Area
- Bureau of Land Management
- Bureau of Reclamation
- Dept. of Agriculture
- Dept. of Defense
- Dept. of Energy
- Fish & Wildlife Service
- Forest Service
- National Park Service
- Other Federal Agency
- Private
- State
- State Game & Fish
- State Park
- Tribal

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

Project Location (Red Dot)



0 25 50 100 Miles

Outlook

RE: [EXTERNAL] South Blanco Federal 22 #005 API 30-045-34260 Incident # nAPP2521262223

From Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Date Tue 10/14/2025 11:15 AM
To Shawna Martinez <shawna@walsheng.net>
Cc Emilee Skyles <emskyles@ancellconsulting.com>; Brian Skyles <bskyles@ancellconsulting.com>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; jdhampton <jdhampton@walsheng.net>; Arleen Smith <arleen@walsheng.net>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Good morning Shawna,

As the original remediation closure report due date was 10/29/2025, a 60-day extension is granted until 12/29/2025. A remediation plan or remediation closure report must be submitted to the OCD Permitting website no later than this. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Shawna Martinez <shawna@walsheng.net>
Sent: Friday, October 10, 2025 3:31 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Emilee Skyles <emskyles@ancellconsulting.com>; Brian Skyles <bskyles@ancellconsulting.com>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; John Hampton Jr. <jdhampton@walsheng.net>; Arleen Smith <arleen@walsheng.net>
Subject: [EXTERNAL] South Blanco Federal 22 #005 API 30-045-34260 Incident # nAPP2521262223

Good afternoon,

Epic Energy is requesting a 60-day extension on the timeline for the South Blanco Federal 22 #005. We request that the deadline be moved from October 31, 2025, to December 31, 2025.

This extension is necessary due to two circumstances:

- Unusual rainfall: Weather conditions have resulted in excessive rainfall and expected to continue, making the site work impossible and delaying the initial phase of the work.

- Arbitration with Enduring Resources: We are working to resolve this matter.

Despite these delays, we are fully committed to starting the work and completing the project in a timely manner.

Thank you,

Shawna Martinez
Regulatory
Walsh Engineering & Production
Office: 505-327-4892
Mobile: 505-635-9042
Shawna@walsheng.net

Outlook

Re: [EXTERNAL] South Blanco Federal 22 #005 API 30-045-34260

From Adeloye, Abiodun A <aadeloye@blm.gov>
Date Tue 10/14/2025 1:07 PM
To Shawna Martinez <shawna@walsheng.net>
Cc Emilee Skyles <emskyles@ancellconsulting.com>; Brian Skyles <bskyles@ancellconsulting.com>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; Arleen Smith <arleen@walsheng.net>; jdhampton <jdhampton@walsheng.net>

Hi, Shawna, the extension is approved by the BLM. Please notify the BLM if anything changes about the workplan.
Please let me know if you have any questions.
Thank you.

Abiodun Adeloye (Emmanuel), NRS
Bureau of Land Management
Farmington Field Office
6251 College Blvd., Suite A
Farmington, NM 87402
Office Phone: 505-564-7665
Cell Phone: 505-635-0984

From: Shawna Martinez <shawna@walsheng.net>
Sent: Friday, October 10, 2025 3:28 PM
To: Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Emilee Skyles <emskyles@ancellconsulting.com>; Brian Skyles <bskyles@ancellconsulting.com>; Vern Andrews <vern@walsheng.net>; John Thompson <john@walsheng.net>; Arleen Smith <arleen@walsheng.net>; John Hampton Jr. <jdhampton@walsheng.net>
Subject: [EXTERNAL] South Blanco Federal 22 #005 API 30-045-34260

Good afternoon Emmanuel,

Epic Energy is requesting a 60-day extension on the timeline for the South Blanco Federal 22 #005. We request that the deadline be moved from October 31, 2025 to December 31, 2025.

This extension is necessary due to two circumstances:

- Unusual rainfall: Weather conditions have resulted in excessive rainfall and expected to continue, making the site work impossible and delaying the initial phase of the work.
- Arbitration with Enduring Resources: We are working to resolve this matter.

Despite these delays, we are fully committed to starting the work and completing the project in a timely manner.

Thank you,

Shawna Martinez
Regulatory
Walsh Engineering & Production
Office: 505-327-4892
Mobile: 505-635-9042
Shawna@walsheng.net

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

QUESTIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 530311
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2521262223**
Incident Name	**NAPP2521262223 SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY @ FAPP2521256236**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2521256236] South Blanco Federal 22 5 TB**

Location of Release Source	
Site Name	**SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY**
Date Release Discovered	**07/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	650
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Brian Skyles 970-946-1123
Please provide any information necessary for navigation to sampling site	Unit P Section 22 24N 08W 36.294402,-107.662247

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

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 530311
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
smartinez	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/26/2025
smartinez	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/26/2025

Outlook

The Oil Conservation Division (OCD) has accepted the application, Application ID: 530311

From OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Date Wed 11/26/2025 2:47 PM
To Shawna Martinez <shawna@walsheng.net>

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2521262223.

The sampling event is expected to take place:

When: 12/02/2025 @ 09:00
Where: P-22-24N-08W 0 FNL 0 FEL (36.294402,-107.662247)

Additional Information: Brian Skyles
970-946-1123

Additional Instructions: Unit P
Section 22
24N
08W

36.294402,-107.662247

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive

Santa Fe, NM 87505

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

QUESTIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 532571
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2521262223**
Incident Name	**NAPP2521262223 SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY @ FAPP2521256236**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2521256236] South Blanco Federal 22 5 TB**

Location of Release Source	
Site Name	**SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY**
Date Release Discovered	**07/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,800
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2025
Time sampling will commence	01:00 PM
Please provide any information necessary for observers to contact samplers	Brian Skyles 970-946-1123
Please provide any information necessary for navigation to sampling site	36.294402,-107.662247 Unit P Section 22 24N 08W

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

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 532571
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
smartinez	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/8/2025
smartinez	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/8/2025

Outlook

The Oil Conservation Division (OCD) has accepted the application, Application ID: 532571

From OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Date Mon 12/8/2025 9:52 AM
To Shawna Martinez <shawna@walsheng.net>

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2521262223.

The sampling event is expected to take place:

When: 12/10/2025 @ 13:00
Where: P-22-24N-08W 0 FNL 0 FEL (36.294402,-107.662247)

Additional Information: Brian Skyles
970-946-1123

Additional Instructions: 36.294402,-107.662247

Unit P
Section 22
24N
08W

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive

Santa Fe, NM 87505

Outlook

RE: [EXTERNAL] Stockpiling for Backfill Questions

From Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Date Fri 12/26/2025 4:01 PM
To Emilee Skyles <emskyles@ancellconsulting.com>
Cc Brian Skyles <bskyles@ancellconsulting.com>; Theresa Ancell <Theresa@ancellconsulting.com>

As long as the site is not in a sensitive area (as we discussed earlier), usually 1 5-point composite sample every 50 cubic yards is acceptable. If it is in a sensitive area, 1 5-point composite sample every 20 cubic yards would be acceptable. I would recommend contacting the incident reviewer to get approval prior to collecting any overburden samples. Or please send me the incident info and I can take a look at it.

Thank you,
Brittany Hall • Environmental Field Compliance Supervisor
Environmental Field Compliance Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Emilee Skyles <emskyles@ancellconsulting.com>
Sent: Friday, December 26, 2025 2:45 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Brian Skyles <bskyles@ancellconsulting.com>; Theresa Ancell <Theresa@ancellconsulting.com>
Subject: Re: [EXTERNAL] Stockpiling for Backfill Questions

Perfect. Thank you for pointing out the square footage frequency continuity.

At this time, we are estimating in the ballpark of 700 cubic feet (26 cubic yards) from two side walls.

Emilee Skyles
Ancell Environmental Consulting Services
970-946-9869

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Friday, December 26, 2025 2:18 PM
To: Emilee Skyles <emskyles@ancellconsulting.com>
Cc: Brian Skyles <bskyles@ancellconsulting.com>; Theresa Ancell <Theresa@ancellconsulting.com>
Subject: RE: [EXTERNAL] Stockpiling for Backfill Questions

Emily,

OCD requires that any base or wall that is exposed during excavation, even due to benching and sloping, have samples collected pursuant to 19.15.29 NMAC. If you are collecting base and wall samples that are 5-point composites representative of no more than 200 square feet from your remediation excavation, then the samples must be collected from the newly exposed walls and base of the benched area(s) at the same frequency. If you have approval for larger square footages for confirmation samples, then those same square footages must be used for any newly exposed walls and bases of the benched area(s).

As for the overburden/stockpiled material, OCD generally requires the operator to provide the amount of overburden that is going to be stockpiled to determine how many 5-point composite samples must be collected. Do you have an estimate of how much overburden is going to be generated and used to back fill the excavation?

Thank you,
Brittany Hall ● Environmental Field Compliance Supervisor
Environmental Field Compliance Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

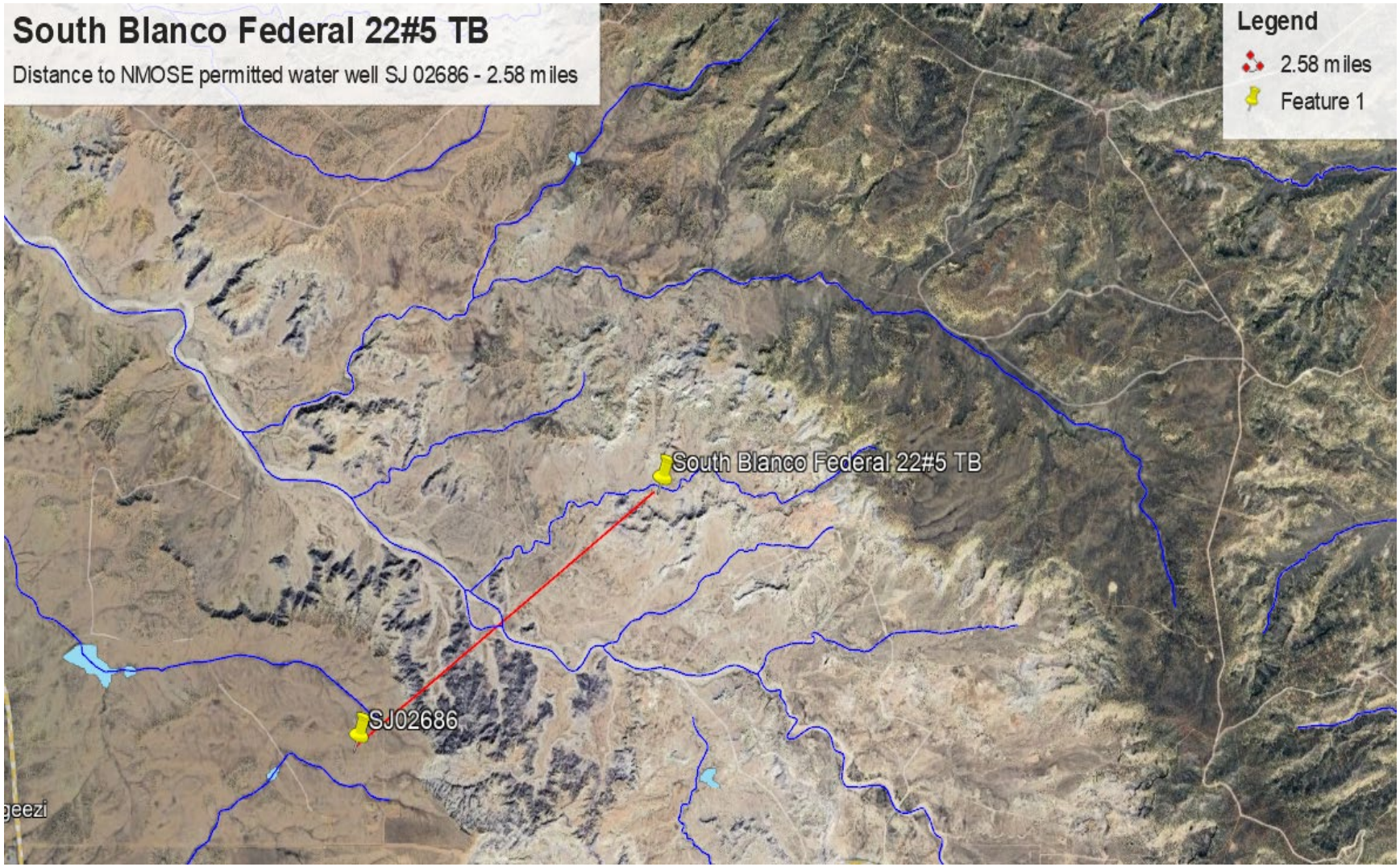
From: Emilee Skyles <emskyles@ancellconsulting.com>
Sent: Friday, December 26, 2025 1:53 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Brian Skyles <bskyles@ancellconsulting.com>; Theresa Ancell <Theresa@ancellconsulting.com>
Subject: [EXTERNAL] Stockpiling for Backfill Questions

Thank you for clarifying things today. A few additional questions:

Does the OCD have any guidance in regards to stockpiling non-waste containing soil from the location that is stripped from above known contamination? For example, if we are going to bench an excavation for safety purposes, we've collected a 5 pt composite sample from the upper part of the wall. We plan to collect additional 5-point composite samples from the newly exposed walls and base of the benched area. We will also collect a 5-point composite from the material removed/stockpiled. Are there any other considerations from the OCD when using this approach?

Sincerely,
Emilee Skyles
Ancell Environmental Consulting Services
970-946-9869

APPENDIX B


South Blanco Federal 22#5 TB
Distance to NMOSE permitted water well SJ 02686 - 2.58 miles
Legend
2.58 miles
Feature 1
South Blanco Federal 22#5 TB
SJ02686

South Blanco Federal 22 #5 TB – 6826’
SJ 02686 POD - 7035’

6826’-7035’=-209. -209+690=481’ to GW

The Site is located approximately 2.58 miles from the NMOSE permitted well SJ 02686 point of diversion (POD). The recorded depth to water on the NMOSE database is 690 feet bgs. The well is approximately 209 feet higher in elevation than the Site, therefore the depth to ground water at the Site is estimated to be 481feet bgs..

SOUTH BLANCO FEDERAL 22 #5 TB

Fapp2521256236

36.294402,-107.662247

DEPTH TO WATER

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
SJ 02686		SJ	SJ	SW	SE	NE	32	24N	08W	257502.0	4017472.0 *		690	690	0

Average Depth to Water: **690 feet**

Minimum Depth: **690 feet**

Maximum Depth: **690 feet**

Record Count: 1

Basin/County Search:
Basin: SJ

PLSS Search:
Range: 08W
Township: 24N
Section: 32

*** UTM location was derived from PLSS - see Help**

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	SJ 02686	SW	SE	NE	32	24N	08W	257502.0	4017472.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	725	**Driller Company:**	MCDONALD'S WATER WELL DRLG		
Driller Name:	MCDONALD, D.K.				
Drill Start Date:	1996-04-28	**Drill Finish Date:**	1996-05-02	**Plug Date:**	
Log File Date:	1997-10-29	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	3
Casing Size:	7.00	**Depth Well:**	690	**Depth Water:**	690

Water Bearing Stratifications:

Top	Bottom	Description
600	690	Other/Unknown

Casing Perforations:

Top	Bottom
600	690

Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-045-38417

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 11/22/2024

Additional Operator Remarks

Location of Well

0. SHL: SENW / 1822 FNL / 2308 FWL / TWSP: 24N / RANGE: 8W / SECTION: 26 / LAT: 36.287483 / LONG: -107.652295 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 2384 FNL / 2074 FEL / TWSP: 24N / RANGE: 8W / SECTION: 26 / LAT: 36.285944 / LONG: -107.649229 (TVD: 5442 feet, MD: 5927 feet)

PPP: NWNW / 0 FSL / 856 FWL / TWSP: 24N / RANGE: 8W / SECTION: 26 / LAT: 36.292484 / LONG: -107.657277 (TVD: 5607 feet, MD: 16744 feet)

PPP: SWSW / 881 FSL / 1 FWL / TWSP: 24N / RANGE: 8W / SECTION: 23 / LAT: 36.294901 / LONG: -107.660253 (TVD: 5607 feet, MD: 16744 feet)

PPP: SWSW / 1 FSL / 856 FWL / TWSP: 24N / RANGE: 8W / SECTION: 23 / LAT: 36.294901 / LONG: -107.660253 (TVD: 5607 feet, MD: 16744 feet)

PPP: SESE / 881 FSL / 0 FEL / TWSP: 24N / RANGE: 8W / SECTION: 22 / LAT: 36.294901 / LONG: -107.660253 (TVD: 5607 feet, MD: 16744 feet)

BHL: NWNW / 237 FNL / 1184 FWL / TWSP: 24N / RANGE: 8W / SECTION: 22 / LAT: 36.306334 / LONG: -107.674329 (TVD: 5607 feet, MD: 16744 feet)

BLM Point of Contact

Name: JEFFREY J TAFOYA
Title: Assistant Field Manager
Phone: (505) 564-7672
Email: JTAFOYA@BLM.GOV

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
30-045-38417	42289	LYBROOK GALLUP

Property Code	Property Name	Well Number
336777	RIDGE UNIT	135H

OGRID No.	Operator Name	Ground Level Elevation
372286	ENDURING RESOURCES, LLC	6832'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
F	26	24N	8W		1822' NORTH	2308' WEST	36.287483 °N	-107.652295 °W	SAN JUAN

Bottom Hole Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
D	22	24N	8W		237' NORTH	1184' WEST	36.306334 °N	-107.674329 °W	SAN JUAN

Dedicated Acres	Penetrated Spacing Unit:	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit	Consolidation Code
600.00	NW/4 NW/4, E/2 NW/4, W/2 NE/4 SE/4 NE/4, N/2 SE/4, SE/4 SE/4 - Sec 22 W/2 SW/4 - Sec 23 N/2 NW/4, SE/4 NW/4, SW/4 NE/4 - Sec 26			☐ Yes ☐ No	

Order Numbers: R-20594

Well setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
F	26	24N	8W		1822' NORTH	2308' WEST	36.287483 °N	-107.652295 °W	SAN JUAN

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
G	26	24N	8W		2384' NORTH	2074' EAST	36.285944 °N	-107.649229 °W	SAN JUAN

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
D	22	24N	8W		237' NORTH	1184' WEST	36.306334 °N	-107.674329 °W	SAN JUAN

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation
RIDGE UNIT	☒ Horizontal ☐ Vertical ☐ Directional	

OPERATOR CERTIFICATION

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.

Shaw-Marie Ford
Signature

12/16/2024
Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

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.

JASON C. EDWARDS
NEW MEXICO
15269
12/13/2024
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
15269	NOVEMBER 30, 2021

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.

RIDGE UNIT #135H

BOTTOM HOLE LOCATION (BHL)
237' FNL 1184' FWL
SECTION 22, T24N, R8W

LAT 36.306334 °N
LONG -107.674329 °W
DATUM: NAD1983

LAST TAKE POINT (LTP)
237' FNL 1184' FWL
SECTION 22, T24N, R8W

LAT 36.306334 °N
LONG -107.674329 °W
DATUM: NAD1983

SURFACE LOCATION (SHL)
1822' FNL 2308' FWL
SECTION 26, T24N, R8W

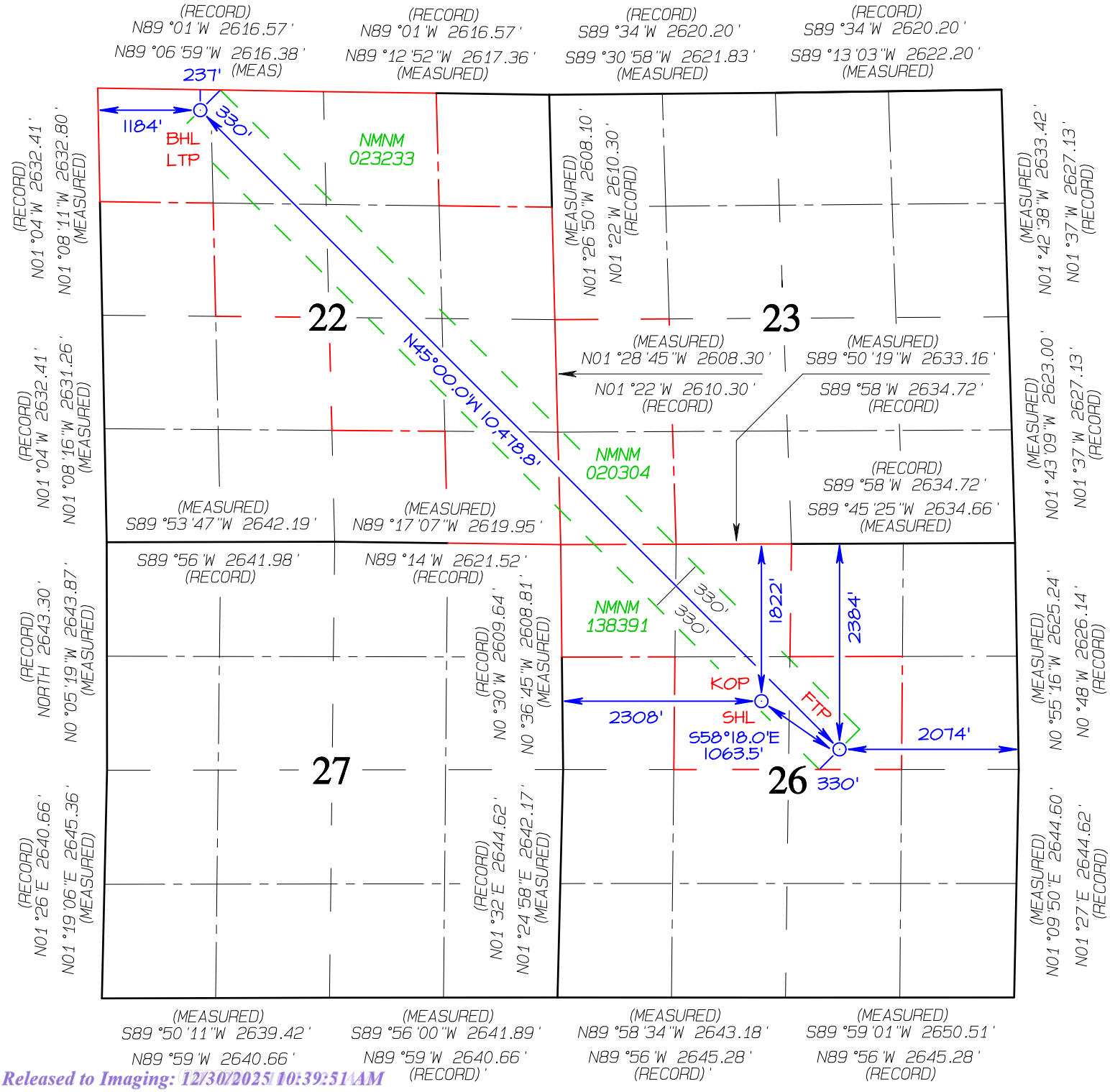
LAT 36.287483 °N
LONG -107.652295 °W
DATUM: NAD1983

KICK OFF POINT (KOP)
1822' FNL 2308' FWL
SECTION 26, T24N, R8W

LAT 36.287483 °N
LONG -107.652295 °W
DATUM: NAD1983

FIRST TAKE POINT (FTP)
2384' FNL 2074' FEL
SECTION 26, T24N, R8W

LAT 36.285944 °N
LONG -107.649229 °W
DATUM: NAD1983



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: __Enduring Resources, LLC_____ **OGRID:** __372286_____ **Date:** _12_/_17_/_2024_

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
Ridge Unit 130H	TBD	F-26-24N-8W	1815 FNL x 2327 FWL	519	2075	208
Ridge Unit 135H	TBD	F-26-24N-8W	1822 FNL x 2308 FWL	510	2041	204
Ridge Unit 136H	TBD	F-26-24N-8W	1829 FNL x 2289 FWL	446	1786	179
Ridge Unit 137H	TBD	F-26-24N-8W	1835 FNL x 2270 FWL	349	1395	139
				3-year Decline	3-year Decline	3-year Decline
Ridge Unit 130H	TBD	F-26-24N-8W	1815 FNL x 2327 FWL	117	469	47
Ridge Unit 135H	TBD	F-26-24N-8W	1822 FNL x 2308 FWL	115	461	46
Ridge Unit 136H	TBD	F-26-24N-8W	1829 FNL x 2289 FWL	101	403	40
Ridge Unit 137H	TBD	F-26-24N-8W	1835 FNL x 2270 FWL	79	315	32

IV. Central Delivery Point Name: _____Chaco Processing Plant_____ [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
Ridge Unit 130H	TBD	Q3 2025	Q3 2025	Q3 2025	Q3 2025	Q3 2025
Ridge Unit 135H	TBD	Q3 2025	Q3 2025	Q3 2025	Q3 2025	Q3 2025
Ridge Unit 136H	TBD	Q3 2025	Q3 2025	Q3 2025	Q3 2025	Q3 2025
Ridge Unit 137H	TBD	Q3 2025	Q3 2025	Q3 2025	Q3 2025	Q3 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: Shaw-Marie Ford
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 12/17/2024
Phone: 505-716-3297

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

Enduring Resources, LLC.
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN
Ridge Unit 130H, 135H, 136H and 137H

SEPARATION EQUIPMENT

Enduring Resources, LLC (Enduring) has pulled representative pressurized samples from wells in the same producing formation. Enduring has utilized these samples in process simulations to determine the amount of gas anticipated in each stage of the process and utilized this information with a safety factor to size the equipment listed below:

Separation equipment will be set as follows:

- Individual 3-phase separator will be set for the individual well.
- The separator will be sized based on the anticipated volume of the well and the pressure of the lines utilized for oil, gas, and water takeaway.
- The 3-phase production separator will be equipped with a 0.75 MMBtu/hr indirect fired heater.

Heater treaters will be set as follows:

- Individual heater treaters will be set for the individual well.
- The heater treaters are sized based on the anticipated combined volume of oil and produced water predicted to come from the initial 3 phase separator.
- Oil will be separated from the produced water and the oil/produced water will be sent to its respective tanks.
- The combined oil and natural gas stream is routed to the Vapor Recovery Tower.

Vapor Recovery Equipment will be set as follows:

- The Vapor Recovery Tower has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks.
- The Vapor Recovery Unit has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks. The Vapor Recovery Unit is utilized to push the recovered gas into the sales pipeline.

Production storage tanks will be set as follows:

- The oil and produced water tanks utilize a closed vent capture system to ensure all breathing, working, and flashing losses are routed to the Vapor Recovery Tower and Vapor Recovery Unit.
- Each of the production storage tanks will be equipped with a 0.5 MMBtu/hr indirect heater.

Enduring Resources, LLC.
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN
Ridge Unit 130H, 135H, 136H and 137H

VENTING and FLARING

Enduring has a natural gas system available prior to startup of completion operations. Enduring utilizes a Vapor Recovery Unit System and sells all natural gas except during periods of startup, shutdown, maintenance, or malfunction for the gas capturing equipment, including the vapor recovery tower, vapor recovery unit, storage tanks, and pipelines.

Currently, Enduring utilizes the following from list A-I of Section 3 for its operations to minimize flaring:

a) Enduring utilizes natural gas-powered generators to power its leases where grid power isn't available.
b) When electrical grid power is unavailable, natural gas generators will be used for major equipment onsite.
c) Enduring's in service compression will be natural gas powered.
d) Should liquids removal, such as dehydration be required, units will be powered by natural gas.

Enduring will only flare gas during the following times:

- Scheduled maintenance for gas capturing equipment including:
  - Vapor Recovery Tower
  - Vapor Recovery Unit
  - Storage tanks
  - Pipelines
  - Emergency flaring

Enduring Resources, LLC.
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN
Ridge Unit 130H, 135H, 136H and 137H

OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

Enduring understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion or production that constitutes waste as defined in 19.15.2 are prohibited.

19.15.27.8 B. Venting and flaring during drilling operations

- Enduring shall capture or combust natural gas if technically feasible during drilling operations using best industry practices.
- A flare stack with a 100% capacity for expected volumes will be set on location of the facility at least 100 feet from the nearest surface hole location, well heads, and storage tanks.
- In the event of an emergency, Enduring will vent natural gas in order to avoid substantial impact. Enduring shall report the vented or flared gas to the NMOCD.

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, Enduring utilizes the following:

- Enduring facilities are built and ready from day 1 of Flowback.
- Individual well test separators will be set to properly separate gas and liquids. Temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline. See Separation Equipment for details.
- Should the facility not yet be capable of processing gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or temporary flare to manage natural gas. This flare would meet the following requirements:
    1) An appropriately sized flare stack with an automatic igniter.
    2) Enduring analyzes the natural gas samples twice per week.
    3) Enduring routes the natural gas into a gathering pipeline as soon as the pipeline specifications are met.
    4) Enduring provides the NMOCD with pipeline specifications and natural gas data.

19.15.27.8 D. Venting and flaring during production operations

During Production Operations Enduring will not vent or flare natural gas except under the following circumstances:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided:
    a. Enduring does not vent after the well achieves a stabilized rate and pressure.
    b. Enduring will remain present on-site during liquids unloading by manual purging and tall all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time.
    c. Enduring will optimize the system to minimize natural gas venting on any well equipped with a plunger lift or auto control system.
    d. Best Management Practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well provided:
    a. Enduring receives approval from the NMOCD.
    b. Enduring remains in compliance with the NM gas capture requirements.
    c. Enduring submits an updated C-129 form to the NMOCD.
4. During the following activities unless prohibited:
    a. Gauging or sampling a storage tank or low-pressure production vessel.
    b. Loading out liquids from a storage tank.
    c. Repair and maintenance.
    d. Normal operation of gas activated pneumatic controller or pump.
    e. Normal operation of a storage tank but not including venting from a thief hatch.
    f. Normal operation of dehydration units.
    g. Normal operations of compressors, compressor engines, turbines, valves, flanges, and connectors.
    h. During a bradenhead, packer leakage test, or production test lasting less than 24-hours.
    i. When natural gas does not meet the gathering pipeline specifications.
    j. Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

19.15.27.8 E. Performance standards

1. Enduring has utilized process simulations with a safety factor to design all separation and storage equipment. The equipment is routed to a Vapor Recovery System and utilizes a flare as back up for periods of startup, shutdown, maintenance, or malfunction of the VRU System.
2. Enduring will install a flare that designed to handle the full volume of vapors from the facility in case of the VRU failure and it its designed with an auto ignition system.
3. Flare stacks will appropriately sized and designed to ensure proper combustion efficiency.
    a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.

b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts ENDURING of flare malfunction within 18 months after May 25, 2021.
c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.

4. Enduring will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
5. Enduring will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
6. Enduring may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. Enduring will resolve emergencies as promptly as possible.

19.15.27.8 F. Measurement or estimation of vented and flared natural gas

1. Enduring will have meters on both the low- and high-pressure sides of the flares and the volumes will be recorded in ENDURING's SCADA system.
2. Enduring will install equipment to measure the volume of flared natural gas that has an average daily production of 60,000 cubic feet or greater of natural gas.
3. Enduring's measuring equipment will conform to the industry standards.
4. The measurement system is designed such that it cannot be bypassed except for inspections and servicing meters.
5. Enduring will estimate the volume of vented or flared natural gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. Enduring will estimate the volume of flared and vented natural gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on Form C-116.
7. Enduring will install measuring equipment whenever the NMOCD determines that metering is necessary.

Enduring Resources, LLC.
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN
Ridge Unit 130H, 135H, 136H and 137H

BEST MANAGEMENT PRACTICES

Enduring utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

Enduring has a closed vent capture system to route emissions from the heater treater, tanks, and vapor recovery to the vapor recovery unit with an enclosed combustion device (ECD) for backup. The system is designed such that if the vapor recovery unit is taken out of service for any reason, the vapors will be routed to the ECD for combustion.

Enduring will isolate and attempt to route all vapors to the vapor recovery unit or ECD prior to opening any lines for maintenance to minimize venting from the equipment.

Enduring shall notify the NMOCD of venting or flaring that exceeds 50 MCF but less than 500 MCF in volume that either resulted from an emergency or malfunction, or an event lasting over eight hours or more cumulatively within any 24-hour period from a single event by filing a form C-129 no later than 15 days following the discovery or commencement of venting or flaring.

Enduring shall notify the NMOCD verbally or by e-mail within 24-hours following discovery or commencement of venting or flaring that exceeds 500 MCF in volume or otherwise qualifies as a major release as defined in 19.15.29.7 NMAC from a single event and provide the information required in form C-129 to the NMOCD no later than 15 days that verifies, updates, or corrects the verbal or e-mail notification.

Enduring will install measuring equipment to conform to industry standards such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares.

Enduring's measuring equipment shall not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

Enduring shall report the volume of vented and flared natural gas for each well or facility at which venting or flaring occurred on a monthly basis.

ENDURING RESOURCES IV, LLC
6300 S SYRACUSE WAY, SUITE 525
CENTENNIAL, COLORADO 80111

DRILLING PLAN: **Drill, complete, and equip single lateral in the Mancos-I formation**

WELL INFORMATION:

Name: **RIDGE UNIT 135H**
ER Well Number: **Not yet assigned**
State: New Mexico
County: San Juan
Surface Elevation: 6,832 ft ASL (GL) 6,857 ft ASL (KB)
Surface Location: 26-24N-08W Sec-Twn-Rng 1,822 ft FNL 2,308 ft FWL
36.287483 ° N latitude 107.652295 ° W longitude (NAD 83)
BH Location: 22-24N-08W Sec-Twn-Rng 237 ft FNL 1,184 ft FWL
36.306334 ° N latitude 107.674329 ° W longitude (NAD 83)
Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM: South on US Hwy 550 for 42.8 miles to MM 109.0, Left (North) on CR 7997 for 1.8 miles to fork in road, Right (North-East) for 0.6 miles to fork in road, Right (Straight)(North-East) for 0.1 miles to access road, Left on access road to Ridge Unit 130H Pad. The 135H well is the second well from the East and second closest to the location entrance. From East to West: RU 130H, 135H, 136H and 137H.

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	5,623	1,234	1,235	W	normal
Kirtland	5,500	1,357	1,359	W	normal
Fruitland	5,280	1,577	1,586	G, W	sub
Pictured Cliffs	4,960	1,897	1,933	G, W	sub
Lewis	4,860	1,997	2,045	G, W	normal
Chacra	4,545	2,312	2,397	G, W	normal
Cliff House	3,445	3,412	3,625	G, W	sub
Menefee	3,440	3,417	3,631	G, W	normal
Point Lookout	2,605	4,252	4,563	G, W	normal
Mancos	2,370	4,487	4,826	O,G	sub (~0.38)
Gallup (MNCS_A)	2,000	4,857	5,228	O,G	sub (~0.38)
MNCS_B	1,915	4,942	5,313	O,G	sub (~0.38)
MNCS_C	1,795	5,062	5,434	O,G	sub (~0.38)
MNCS_Cms	1,715	5,142	5,518	O,G	sub (~0.38)
MNCS_D	1,640	5,217	5,601	O,G	sub (~0.38)
MNCS_E	1,560	5,297	5,698	O,G	sub (~0.38)
MNCS_F	1,505	5,352	5,773	O,G	sub (~0.38)
MNCS_G	1,415	5,442	5,927	O,G	sub (~0.38)
MNCS_H	1,375	5,482	6,009	O,G	sub (~0.38)
MNCS_I	1,325	5,532	6,173	O,G	sub (~0.38)
P.O.E. TARGET	**1,415**	**5,442**	**5,927**	**O,G**	**sub (~0.38)**
PROJECTED TD	**1,250**	**5,607**	**16,744**	**O,G**	**sub (~0.38)**

Surface: Nacimiento
Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup
Pressure: Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations
Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft
Maximum anticipated BH pressure, assuming maximum pressure gradient: 2,420 psi
Maximum anticipated surface pressure, assuming partially evacuated hole: 1,190 psi
Temperature: **Maximum anticipated BHT is 140° F or less**

H_2S INFORMATION:

H_2S Zones: Encountering hydrogen-sulfide bearing zones is **NOT** anticipated.

Safety: Sensors and alarms will be placed in the substructure, on the rig floor, above the pits, and at the shakers.

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; gas detection from drill out of 13-3/8" casing to TD; remote geo-steering from drill out of 9-5/8" casing to TD.

MWD / LWD: MWD surveys with inclination and azimuth in 100' stations (minimum) from drill out of 13-3/8" casing to TD; Gamma Ray from drill out of 9-5/8" casing to TD; Gamma Ray optional in 12-1/4" intermediate hole

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

Cased Hole Logs: CBL on 5-1/2" casing from deepest free-fall depth to surface

DRILLING RIG INFORMATION:

Contractor: Aztec

Rig No.: 1000

Draw Works: E80 AC 1,500 hp

Mast: Hyduke Triple (136 ft, 600,000 lbs, 10 lines)

Top Drive: NOV IDS-350PE (350 ton)

Prime Movers: 4 - GE Jenbacher Natural Gas Generator

Pumps: 2 - RS F-1600 (7,500 psi)

BOPE 1: Cameron single & double gate rams (13-5/8", 3,000 psi)

BOPE 2: Cameron annular (13-5/8", 5,000 psi)

Choke 3", 5,000 psi

KB-GL (ft): 25

Note: Actual drilling rig may vary depending on availability at time the well is scheduled to be drilled.

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

1) Rig will be equipped with upper and lower kelly cocks with handles available.

2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.

2) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.

3) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.

4) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.

5) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device.The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

FLUIDS AND SOLIDS CONTROL PROGRAM:

Fluid Measurement: Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

Closed-Loop System: A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimimize the amount of fluids and solids that require disposal.

Fluid Disposal: Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Solids Disposal: Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Fluid Program: See "Detailed Drilling Plan" section for specifics.

DETAILED DRILLING PLAN:

SURFACE: **Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.**

0 ft (MD)	**to**	**350 ft (MD)**	**Hole Section Length:**	**350 ft**
0 ft (TVD)	**to**	**350 ft (TVD)**	**Casing Required:**	**350 ft**

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

Fluid:	**Type**	**MW (ppg)**	**FL (mL/30 min)**	**PV (cp)**	**YP (lb/100 sqft)**	**pH**	**Comments**
	Fresh Water	8.4	N/C	2 - 8	2 - 12	9.0	Spud mud

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					153	769	116,634	116,634
Min. S.F.					**7.39**	**3.55**	**7.31**	**7.79**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minumum: N/A Optimum: N/A Maximum: N/A

Make-up as per API Buttress Connection running procedure.

Casing Details: Float shoe, 1 jt casing, float collar, casing to surface

Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**Hole Cap. (cuft/ft)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**
	TYPE III	14.6	1.39	6.686	0.6946	100%	0	364

Annular Capacity 0.6946 cuft/ft 13-3/8" casing x 17-1/2" hole annulus Csg capacity 0.8680 ft3/ft

Drake Energy Services: Calculated cement volumes assume gauge hole and the excess noted in table

					Cu Ft Slurry
Tail	ASTM Type III Blend	Calcium Chloride 2% BWOC Accelerator	D-CD2 .3% BWOC Dispersant/Friction reducer	.25 lbs/sx Cello Flake - seepage	505.3

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

INTERMEDIATE: **Drill as per directional plan to casing setting depth, run casing, cement casing to surface.**

350 ft (MD)	**to**	**3,798 ft (MD)**	**Hole Section Length:**	**3,448 ft**
350 ft (TVD)	**to**	**3,567 ft (TVD)**	**Casing Required:**	**3,798 ft**

Fluid:	**Type**	**MW (ppg)**	**FL (mL/30 min)**	**PV (cp)**	**YP (lb/100 sqft)**	**pH**	**Comments**
	LSND	8.8 - 9.5	20	8 - 14	8 - 14	9.0 - 9.5	

Hole Size: 12-1/4"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD surveys with inclination and azimuth in 100' stations (minimum), GR optional

Logging: None

Pressure Test: NU BOPE and test (as noted above); pressure test 13-3/8" casing to **1,500** psi for 30 minutes.

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	9.625	36.0	J-55	LTC	2,020	3,520	564,000	453,000
Loading					1,558	1,394	219,233	219,233
Min. S.F.					**1.30**	**2.53**	**2.57**	**2.07**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minumum: 3,400 Optimum: 4,530 Maximum: 5,660

Casing Details: Float shoe, 1 jt casing, float collar, casing to surface

Centralizers: 1 centralizers jt stop-banded 10' from float shoe on bottom 1 jt & 1 centralizer floating on bottom joint, 1 centralizer per 3 jts to surface

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**	**Total Cmt (cu ft)**
Stage 1 Spacer	D-Mud Breaker	8.5				0	10 bbls	
Lead	90:10 Type III:POZ	12.5	2.140	12.05	70%	0	793	1,697
Tail	Type III	14.6	1.380	6.61	20%	3,298	150	207
Displacement	290	est bbls						

Annular Capacity	0.3627	cuft/ft	9-5/8" casing x 13-3/8" casing annulus			
	0.3132	cuft/ft	9-5/8" casing x 12-1/4" hole annulus		9-5/8" 36# ID	8.921
	0.4341	cuft/ft	9-5/8" casing vol		est shoe jt ft	44

Calculated cement volumes assume gauge hole and the excess (open hole only) noted in table

Spacer	D-Mud Breaker	SAPP	D-MPA-1 .4% BWOC Fluid Loss & Gas Migration Control					
Lead	ASTM Type III 90/10 Poz	D-CSE 1 5.0% BWOC Strength Enhancer		D-SA 1 1.4% BWOC Na Metasilicate	D-CD 2 .4% BWOC Dispersant	Cello Flace LCM .25 lb/sx	D-FP1 0.5% BWOC Defoamer	D-R1 .5% Retarder
Tail	ASTM Type III Blend		BWOC Fluid Loss & Gas Migration Control		D-CD 2 .5% BWOC Dispersant	Cello Flace LCM .25 lb/sx		D-R1 .2% Retarder

Drake Intermediate Cementing Program

Cement must achieve 500 psi compressive strength before drilling out.
Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

PRODUCTION: Drill to TD following directional plan, run casing, cement casing to surface.

3,798	ft (MD)	to	16,744	ft (MD)	Hole Section Length: 12,946 ft
3,567	ft (TVD)	to	5,607	ft (TVD)	Casing Required: 16,744 ft

Estimated KOP:	5,050	ft (MD)	4,688	ft (TVD)
Estimated Landing Point (P.O.E.):	5,927	ft (MD)	5,442	ft (TVD)
Estimated Lateral Length:	10,817	ft (MD)		

Fluid:	Type	MW (ppg)	WPS ppm	HTHP	YP (lb/100 sqft)	ES	OWR	Comment
	OBM	8.0 - 9.0	120,000 CaCl	NC	±6	+300	80:20	WBM as contingency

Hole Size: 8-1/2"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD surveys with inclination and azimuth in 100' stations (minimum) before KOP, every joint from KOP to POE, every 100' (minimum) from POE to TD; Gamma Ray from drill out of 9-5/8" shoe to TD

Logging: MWD Gamma Ray for entire section, no mud-log or cuttings sampling, no OH WL logs

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to **1,500** psi for 30 minutes.

Casing Specs:	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	5.500	17.0	P-110	LTC	7,460	10,640	546,000	445,000
Loading					2,770	9,025	345,625	345,625
Min. S.F.					**2.69**	**1.18**	**1.58**	**1.29**

Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)
Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden fluid with 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 9.0 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minumum: 3,400 Optimum: 4,530 Maximum: 5,660

Casing Details: Float shoe, float collar, 1 jt casing, float collar, 20' marker joint, toe-intitiation sleeve, casing to KOP with 20' marker joints spaced approximately in lateral every 2,000', floatation sub at KOP, casing to surface. The toe-initiation sleeve (last-take-point) cannot be placed closer than 330' to the unit boundary when measured perpendicular to the well path.

Centralizers: Centralizer count and placement may be adjusted based on well conditions and as-drilled surveys.

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Spacer	IntegraGuard Star	11		31.6		0	60 bbls	
Lead	ASTM type I/II	12.4	2.370	13.40	50%	0	580	1,375
Tail	G:POZ blend	13.3	1.570	7.70	10%	4,826	1,921	3,016

Displacement	369	est bbls			
Annular Capacity	0.2691	cuft/ft	5-1/2" casing x 9-5/8" casing annulus		
	0.2291	cuft/ft	5-1/2" casing x 8-1/2" hole annulus		
	0.1245	cuft/ft	5-1/2" casing vol	est shoe jt ft	100

Calculated cement volumes assume gauge hole and the excess noted in table

American Cementing Liner & Production Blend

Spacer	S-8 Silica Flour 163.7 lbs/bbl	Avis 616 viscosifier 11.6 lb/bbl	FP24 Defoamer .5 lb/bbl	IntegraGuard Star Plus 3K LCM 15 lb/bbl	SS201 Surfactant 1 gal/bbl			
Lead	ASTM Type I/II	BA90 Bonding Agent 5.0 lb/sx	Bentonite Viscosifier 8% BWOB	FL24 Fluid Loss .5% BWOB	IntegraGuard GW86 Viscosifier .1% BWOB	R7C Retarder .2% BWOB	FP24 Defoamer 0.3% BWOB, Anti-Static .01 lb/sx	
Tail	Type G 50%	Pozzolan Fly Ash Extender 50%	BA90 Bonding Agent 3.0 lb/sx	Bentonite Viscosifier 4% BWOB	FL24 Fluid Loss .4% BWOB	IntegraGuard GW86 Viscosifier .1% BWOB	R3 Retarder .5% BWOB	FP24 Defoamer .3% BWOB, IntegraSeal 0.25 lb/sx

Calculated cement volumes assume gauge hole and the excess noted in table

FINISH WELL: **ND BOP, NU WH, RDMO.**

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 10,717

Est Frac Inform: 45 Frac Stages 172,000 bbls slick water 13,940,000 lbs proppant

Flowback: Well will be flowed back through production tubing. An ESP may be used to assist in load water recovery.

Production: Well will produce up production tubing via gas-lift into permanent production and storage facilities.

ESTIMATED START DATES:

Drilling: 11/3/2023

Completion: 12/18/2023

Production: 1/17/2024

Prepared by: G Olson 7/15/2022

G Olson 8/16/2023

WELL NAME: RIDGE UNIT 135H

OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-I formation

API Number: Not yet assigned

State: New Mexico

County: San Juan

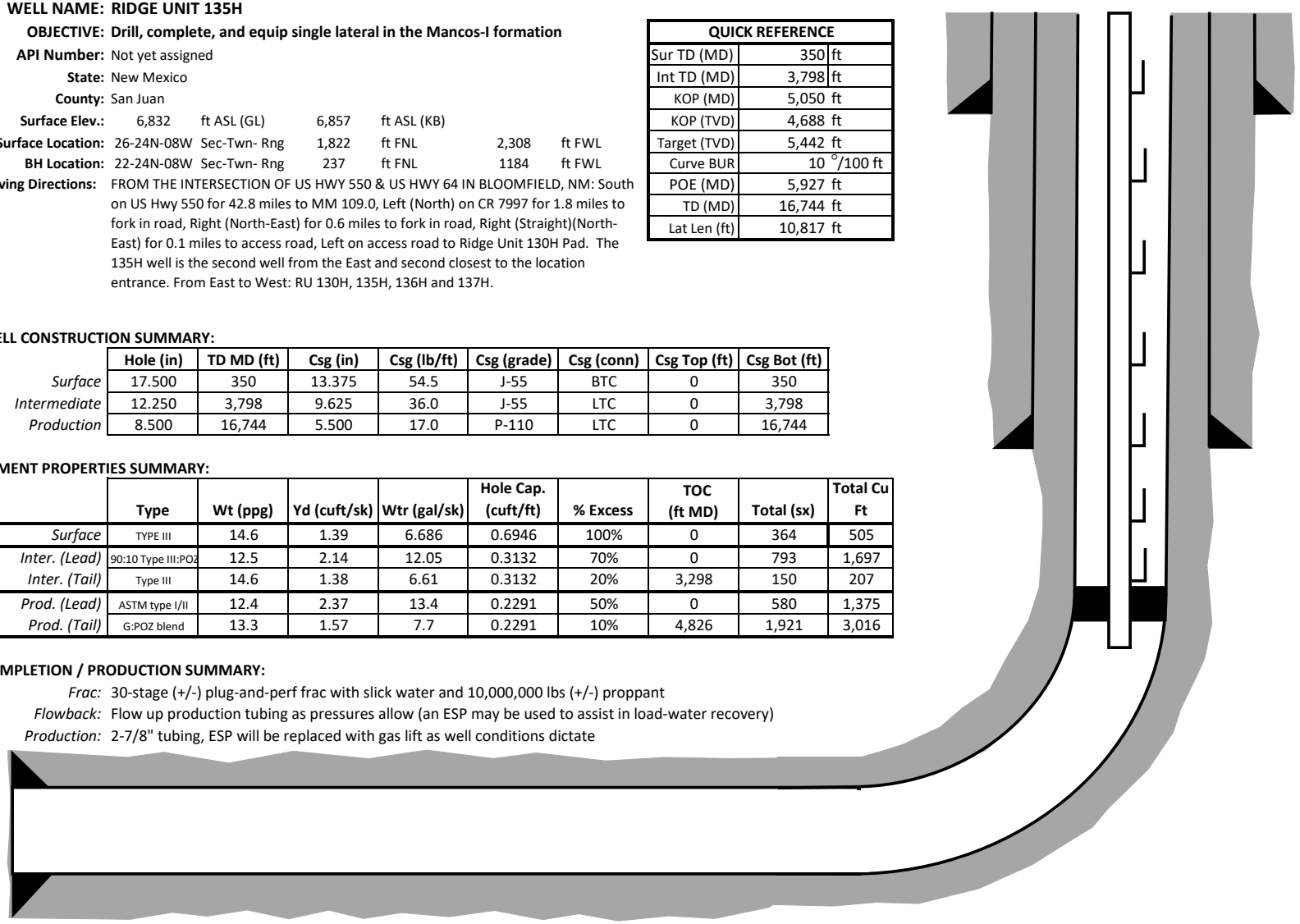
Surface Elev.: 6,832 ft ASL (GL) 6,857 ft ASL (KB)

Surface Location: 26-24N-08W Sec-Twn- Rng 1,822 ft FNL 2,308 ft FWL

BH Location: 22-24N-08W Sec-Twn- Rng 237 ft FNL 1184 ft FWL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM: South on US Hwy 550 for 42.8 miles to MM 109.0, Left (North) on CR 7997 for 1.8 miles to fork in road, Right (North-East) for 0.6 miles to fork in road, Right (Straight)(North-East) for 0.1 miles to access road, Left on access road to Ridge Unit 130H Pad. The 135H well is the second well from the East and second closest to the location entrance. From East to West: RU 130H, 135H, 136H and 137H.

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	3,798	ft
KOP (MD)	5,050	ft
KOP (TVD)	4,688	ft
Target (TVD)	5,442	ft
Curve BUR	10	°/100 ft
POE (MD)	5,927	ft
TD (MD)	16,744	ft
Lat Len (ft)	10,817	ft



Formation Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1234	1235
Kirtland	1357	1359
Fruitland	1577	1586
Pictured Cliffs	1897	1933
Lewis	1997	2045
Chacra	2312	2397
Cliff House	3412	3625
Menefee	3417	3631
Point Lookout	4252	4563
Mancos	4487	4826
Gallup (MNCS_A)	4857	5228
MNCS_B	4942	5313
MNCS_C	5062	5434
MNCS_Cms	5142	5518
MNCS_D	5217	5601
MNCS_E	5297	5698
MNCS_F	5352	5773
MNCS_G	5442	5927
MNCS_H	5482	6009
MNCS_I	5532	6173
P.O.E. TARGET	5442	5927
PROJECTED TD	5607	16744

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	3,798	9.625	36.0	J-55	LTC	0	3,798
Production	8.500	16,744	5.500	17.0	P-110	LTC	0	16,744

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)	Total Cu Ft
Surface	TYPE III	14.6	1.39	6.686	0.6946	100%	0	364	505
Inter. (Lead)	90:10 Type III:POZ	12.5	2.14	12.05	0.3132	70%	0	793	1,697
Inter. (Tail)	Type III	14.6	1.38	6.61	0.3132	20%	3,298	150	207
Prod. (Lead)	ASTM type I/II	12.4	2.37	13.4	0.2291	50%	0	580	1,375
Prod. (Tail)	G:POZ blend	13.3	1.57	7.7	0.2291	10%	4,826	1,921	3,016

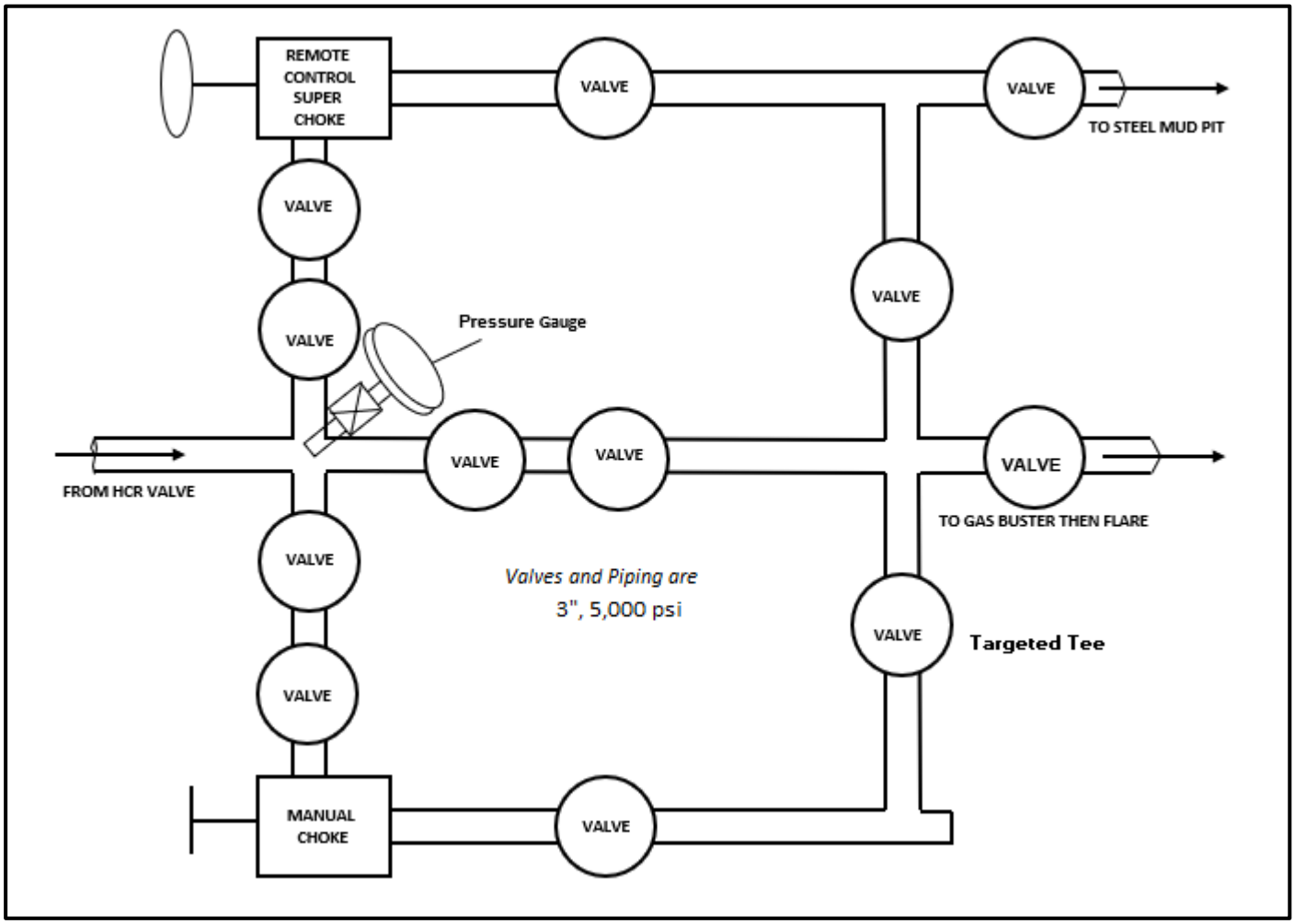
COMPLETION / PRODUCTION SUMMARY:

Frac: 30-stage (+/-) plug-and-perf frac with slick water and 10,000,000 lbs (+/-) proppant

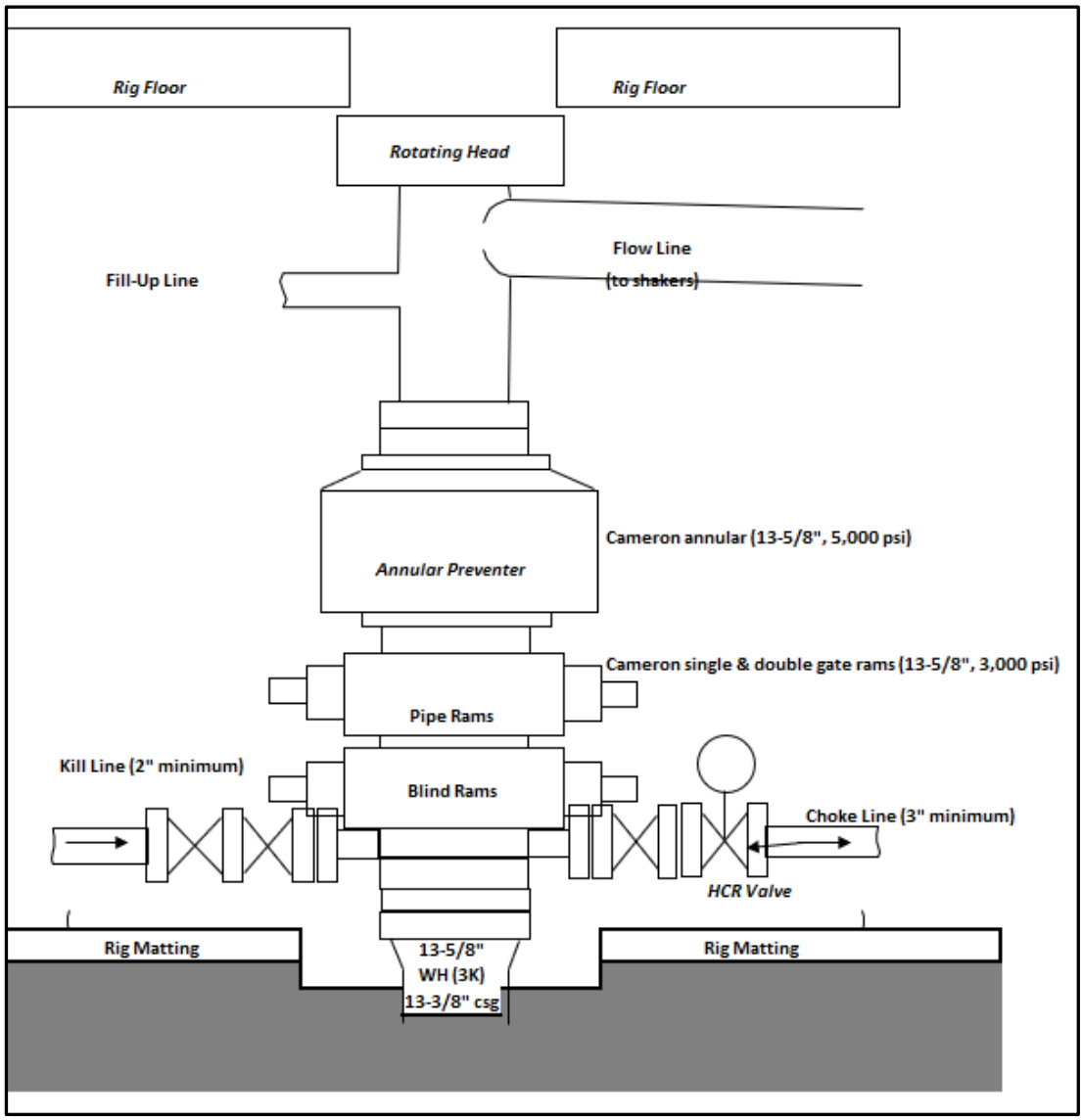
Flowback: Flow up production tubing as pressures allow (an ESP may be used to assist in load-water recovery)

Production: 2-7/8" tubing, ESP will be replaced with gas lift as well conditions dictate

Enduring Resources IV, LLC
CHOKE MANIFOLD



Enduring Resources IV, LLC
BOPE Diagram



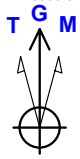
Well: Ridge Unit No. 135H
Site: Ridge Unit (130, 135, 136 & 137)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev1
Rig:

DESIGN TARGET DETAILS

lame	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
idge 135H FTP 2384 FNL 2074 FEL r1	5540.00	-558.53	904.65	1923434.581	2777350.169	36.285944000	-107.649229000
idge 135H LTP 237 FNL 1184 FWL 330 perp r1	5607.00	6850.87	-6504.94	1930843.965	2769940.596	36.306334000	-107.674329000

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.000	1000.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1880.85	26.43	128.075	1849.95	-123.06	157.09	3.00	128.08	-198.10	Begin 26.43° tangent
4	5047.11	26.43	128.075	4685.38	-992.04	1266.32	0.00	0.00	-1596.91	Begin 10°/100' build/turn
5	5908.71	60.00	316.952	5433.09	-800.00	1137.29	10.00	-172.30	-1369.88	Begin 60.00° tangent
6	5968.71	60.00	316.952	5463.09	-762.03	1101.82	0.00	0.00	-1317.95	Begin 10°/100' build/turn
7	6265.63	89.63	314.999	5540.00	-558.53	904.65	10.00	-3.94	-1034.62	Begin 89.63° lateral
8	16744.45	89.63	314.999	5607.00	6850.87	-6504.94	0.00	0.00	9443.98	PBHL/TD



Azimuths to Grid North
True North: -0.11°
Magnetic North: 8.43°

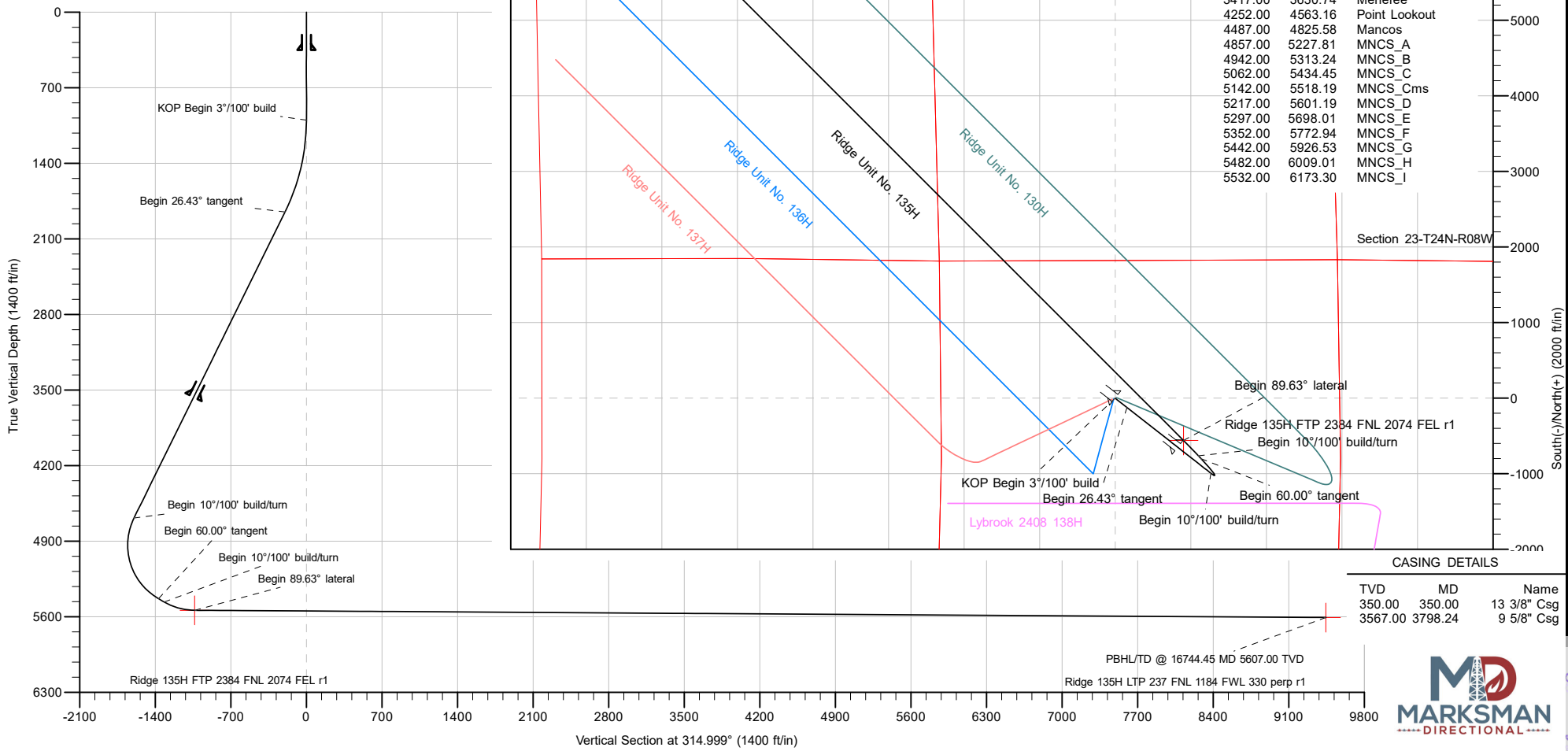
Magnetic Field
Strength: 49131.9nT
Dip Angle: 62.77°
Date: 8/15/2023
Model: IGRF2020

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6832+25 @ 6857.00ft

Surface location:

Northing	Easting	Latitude	Longitude
1923993.112	2776445.521	36.287483000	-107.652295000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.43°



FORMATION TOP DETAILS

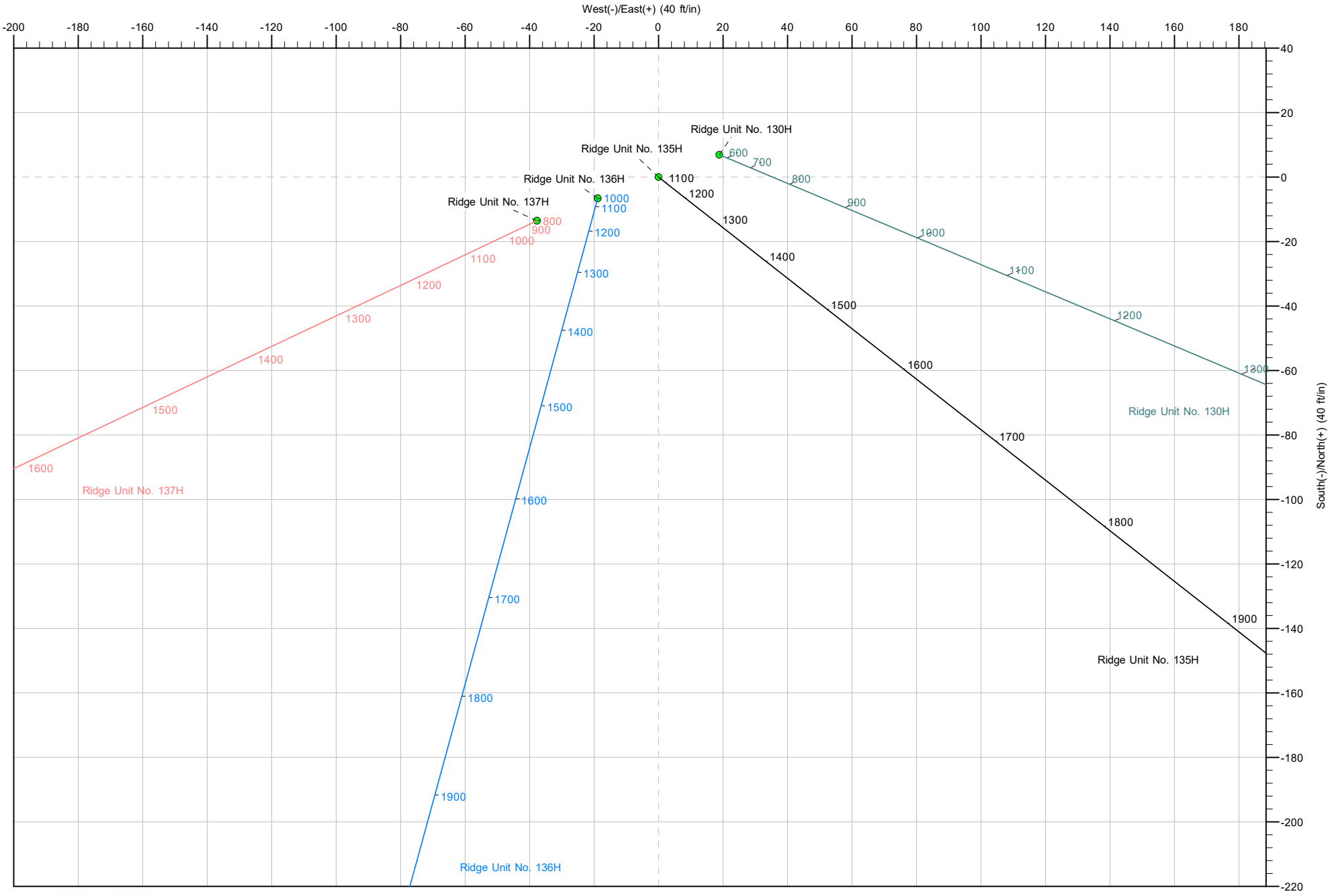
TVDPath	MDPath	Formation
1234.00	1234.59	Ojo Alamo
1357.00	1359.11	Kirtland
1577.00	1586.16	Fruitland
1897.00	1933.39	Pictured Cliffs
1997.00	2045.06	Lewis
2312.00	2396.81	Chacra
3412.00	3625.15	Cliff House
3417.00	3630.74	Menefee
4252.00	4563.16	Point Lookout
4487.00	4825.58	Mancos
4857.00	5227.81	MNCS_A
4942.00	5313.24	MNCS_B
5062.00	5434.45	MNCS_C
5142.00	5518.19	MNCS_Cms
5217.00	5601.19	MNCS_D
5297.00	5698.01	MNCS_E
5352.00	5772.94	MNCS_F
5442.00	5926.53	MNCS_G
5482.00	6009.01	MNCS_H
5532.00	6173.30	MNCS_I

CASING DETAILS

TVD	MD	Name
350.00	350.00	13 3/8" Csg
3567.00	3798.24	9 5/8" Csg

MARKSMAN DIRECTIONAL

Well: Ridge Unit No. 135H
Site: Ridge Unit (130, 135, 136 & 137)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev1
Rig:



Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Project San Juan County, New Mexico NAD83 NM W

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

Site Ridge Unit (130, 135, 136 & 137)

Site Position:		**Northing:**	1,924,000.063 usft	**Latitude:**	36.287502000
From:	Lat/Long	**Easting:**	2,776,464.370 usft	**Longitude:**	-107.652231000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Ridge Unit No. 135H, Surf loc: 1822 FNL 2308 FWL Section 26-T24N-R08W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,923,993.112 usft	**Latitude:**	36.287483000
	+E/-W	0.00 ft	**Easting:**	2,776,445.521 usft	**Longitude:**	-107.652295000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,832.00 ft
Grid Convergence:		0.11 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/15/2023	8.54	62.77	49,131.85829180

Design rev1

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	314.999

Plan Survey Tool Program **Date** 8/16/2023

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,744.45	rev1 (Original Hole)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,880.85	26.43	128.075	1,849.95	-123.06	157.09	3.00	3.00	0.00	128.08	
5,047.11	26.43	128.075	4,685.38	-992.04	1,266.32	0.00	0.00	0.00	0.00	
5,908.71	60.00	316.952	5,433.09	-800.00	1,137.29	10.00	3.90	-19.86	-172.30	
5,968.71	60.00	316.952	5,463.09	-762.03	1,101.82	0.00	0.00	0.00	0.00	
6,265.63	89.63	314.999	5,540.00	-558.53	904.65	10.00	9.98	-0.66	-3.94	
16,744.45	89.63	314.999	5,607.00	6,850.87	-6,504.94	0.00	0.00	0.00	0.00	Ridge 135H LTP 237

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8" Csg									
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
1,100.00	3.00	128.075	1,099.95	-1.61	2.06	-2.60	3.00	3.00	0.00
1,200.00	6.00	128.075	1,199.63	-6.45	8.24	-10.39	3.00	3.00	0.00
1,234.59	7.04	128.075	1,234.00	-8.87	11.33	-14.28	3.00	3.00	0.00
Ojo Alamo									
1,300.00	9.00	128.075	1,298.77	-14.50	18.51	-23.34	3.00	3.00	0.00
1,359.11	10.77	128.075	1,357.00	-20.76	26.50	-33.42	3.00	3.00	0.00
Kirtland									
1,400.00	12.00	128.075	1,397.08	-25.74	32.85	-41.43	3.00	3.00	0.00
1,500.00	15.00	128.075	1,494.31	-40.13	51.23	-64.60	3.00	3.00	0.00
1,586.16	17.58	128.075	1,577.00	-55.04	70.25	-88.59	3.00	3.00	0.00
Fruitland									
1,600.00	18.00	128.075	1,590.18	-57.65	73.58	-92.79	3.00	3.00	0.00
1,700.00	21.00	128.075	1,684.43	-78.23	99.86	-125.93	3.00	3.00	0.00
1,800.00	24.00	128.075	1,776.81	-101.83	129.98	-163.91	3.00	3.00	0.00
1,880.85	26.43	128.075	1,849.95	-123.06	157.09	-198.10	3.00	3.00	0.00
Begin 26.43° tangent									
1,900.00	26.43	128.075	1,867.10	-128.32	163.80	-206.56	0.00	0.00	0.00
1,933.39	26.43	128.075	1,897.00	-137.48	175.49	-221.31	0.00	0.00	0.00
Pictured Cliffs									
2,000.00	26.43	128.075	1,956.65	-155.77	198.83	-250.74	0.00	0.00	0.00
2,045.06	26.43	128.075	1,997.00	-168.13	214.61	-270.64	0.00	0.00	0.00
Lewis									
2,100.00	26.43	128.075	2,046.20	-183.21	233.86	-294.92	0.00	0.00	0.00
2,200.00	26.43	128.075	2,135.76	-210.66	268.90	-339.10	0.00	0.00	0.00
2,300.00	26.43	128.075	2,225.31	-238.10	303.93	-383.27	0.00	0.00	0.00
2,396.81	26.43	128.075	2,312.00	-264.67	337.84	-426.04	0.00	0.00	0.00
Chacra									
2,400.00	26.43	128.075	2,314.86	-265.55	338.96	-427.45	0.00	0.00	0.00
2,500.00	26.43	128.075	2,404.41	-292.99	374.00	-471.63	0.00	0.00	0.00
2,600.00	26.43	128.075	2,493.96	-320.44	409.03	-515.81	0.00	0.00	0.00
2,700.00	26.43	128.075	2,583.51	-347.88	444.06	-559.99	0.00	0.00	0.00
2,800.00	26.43	128.075	2,673.06	-375.33	479.09	-604.17	0.00	0.00	0.00
2,900.00	26.43	128.075	2,762.62	-402.77	514.13	-648.35	0.00	0.00	0.00
3,000.00	26.43	128.075	2,852.17	-430.22	549.16	-692.52	0.00	0.00	0.00
3,100.00	26.43	128.075	2,941.72	-457.66	584.19	-736.70	0.00	0.00	0.00
3,200.00	26.43	128.075	3,031.27	-485.11	619.23	-780.88	0.00	0.00	0.00
3,300.00	26.43	128.075	3,120.82	-512.55	654.26	-825.06	0.00	0.00	0.00
3,400.00	26.43	128.075	3,210.37	-540.00	689.29	-869.24	0.00	0.00	0.00
3,500.00	26.43	128.075	3,299.92	-567.44	724.33	-913.42	0.00	0.00	0.00

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,600.00	26.43	128.075	3,389.48	-594.89	759.36	-957.60	0.00	0.00	0.00
3,625.15	26.43	128.075	3,412.00	-601.79	768.17	-968.71	0.00	0.00	0.00
Cliff House									
3,630.74	26.43	128.075	3,417.00	-603.32	770.13	-971.18	0.00	0.00	0.00
Menefee									
3,700.00	26.43	128.075	3,479.03	-622.33	794.39	-1,001.78	0.00	0.00	0.00
3,798.24	26.43	128.075	3,567.00	-649.29	828.81	-1,045.18	0.00	0.00	0.00
9 5/8" Csg									
3,800.00	26.43	128.075	3,568.58	-649.78	829.42	-1,045.95	0.00	0.00	0.00
3,900.00	26.43	128.075	3,658.13	-677.22	864.46	-1,090.13	0.00	0.00	0.00
4,000.00	26.43	128.075	3,747.68	-704.67	899.49	-1,134.31	0.00	0.00	0.00
4,100.00	26.43	128.075	3,837.23	-732.11	934.52	-1,178.49	0.00	0.00	0.00
4,200.00	26.43	128.075	3,926.78	-759.56	969.56	-1,222.67	0.00	0.00	0.00
4,300.00	26.43	128.075	4,016.34	-787.00	1,004.59	-1,266.85	0.00	0.00	0.00
4,400.00	26.43	128.075	4,105.89	-814.45	1,039.62	-1,311.03	0.00	0.00	0.00
4,500.00	26.43	128.075	4,195.44	-841.89	1,074.66	-1,355.21	0.00	0.00	0.00
4,563.16	26.43	128.075	4,252.00	-859.22	1,096.78	-1,383.11	0.00	0.00	0.00
Point Lookout									
4,600.00	26.43	128.075	4,284.99	-869.34	1,109.69	-1,399.38	0.00	0.00	0.00
4,700.00	26.43	128.075	4,374.54	-896.78	1,144.72	-1,443.56	0.00	0.00	0.00
4,800.00	26.43	128.075	4,464.09	-924.23	1,179.75	-1,487.74	0.00	0.00	0.00
4,825.58	26.43	128.075	4,487.00	-931.25	1,188.72	-1,499.04	0.00	0.00	0.00
Mancos									
4,900.00	26.43	128.075	4,553.64	-951.67	1,214.79	-1,531.92	0.00	0.00	0.00
5,000.00	26.43	128.075	4,643.20	-979.12	1,249.82	-1,576.10	0.00	0.00	0.00
5,047.11	26.43	128.075	4,685.38	-992.04	1,266.32	-1,596.91	0.00	0.00	0.00
Begin 10°/100' build/turn									
5,050.00	26.14	127.987	4,687.98	-992.83	1,267.33	-1,598.18	10.00	-9.91	-3.04
5,100.00	21.20	126.118	4,733.76	-1,004.95	1,283.32	-1,618.06	10.00	-9.89	-3.74
5,150.00	16.28	123.181	4,781.09	-1,014.12	1,296.50	-1,633.86	10.00	-9.82	-5.87
5,200.00	11.45	117.824	4,829.62	-1,020.27	1,306.76	-1,645.47	10.00	-9.68	-10.71
5,227.81	8.83	112.376	4,857.00	-1,022.37	1,311.18	-1,650.07	10.00	-9.40	-19.59
MNCS_A									
5,250.00	6.84	105.128	4,878.98	-1,023.37	1,314.03	-1,652.79	10.00	-8.97	-32.67
5,300.00	3.54	60.215	4,928.79	-1,023.38	1,318.25	-1,655.78	10.00	-6.60	-89.83
5,313.24	3.44	38.401	4,942.00	-1,022.86	1,318.85	-1,655.84	10.00	-0.77	-164.77
MNCS_B									
5,350.00	5.31	354.931	4,978.66	-1,020.30	1,319.38	-1,654.41	10.00	5.09	-118.25
5,400.00	9.69	335.452	5,028.23	-1,014.17	1,317.43	-1,648.69	10.00	8.75	-38.96
5,434.45	12.97	330.008	5,062.00	-1,008.18	1,314.29	-1,642.24	10.00	9.52	-15.80
MNCS_C									
5,450.00	14.47	328.355	5,077.11	-1,005.02	1,312.40	-1,638.67	10.00	9.68	-10.63
5,500.00	19.36	324.759	5,124.93	-992.92	1,304.33	-1,624.41	10.00	9.78	-7.19
5,518.19	21.15	323.853	5,142.00	-987.81	1,300.66	-1,618.19	10.00	9.85	-4.98
MNCS_Cms									
5,550.00	24.30	322.577	5,171.34	-977.97	1,293.29	-1,606.03	10.00	9.88	-4.01
5,600.00	29.25	321.096	5,215.96	-960.29	1,279.36	-1,583.67	10.00	9.91	-2.96
5,601.19	29.37	321.067	5,217.00	-959.83	1,279.00	-1,583.09	10.00	9.93	-2.49
MNCS_D									
5,650.00	34.22	320.013	5,258.47	-939.99	1,262.64	-1,557.50	10.00	9.94	-2.16
5,698.01	39.00	319.206	5,297.00	-918.20	1,244.09	-1,528.97	10.00	9.95	-1.68
MNCS_E									
5,700.00	39.20	319.176	5,298.54	-917.25	1,243.27	-1,527.72	10.00	9.96	-1.50

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,750.00	44.17	318.500	5,335.87	-892.23	1,221.38	-1,494.56	10.00	9.96	-1.35
5,772.94	46.46	318.229	5,352.00	-880.05	1,210.55	-1,478.28	10.00	9.96	-1.18
MNCS_F									
5,800.00	49.16	317.935	5,370.18	-865.13	1,197.15	-1,458.26	10.00	9.97	-1.09
5,850.00	54.14	317.450	5,401.19	-836.14	1,170.76	-1,419.10	10.00	9.97	-0.97
5,900.00	59.13	317.022	5,428.68	-805.50	1,142.41	-1,377.38	10.00	9.97	-0.86
5,908.71	60.00	316.952	5,433.09	-800.00	1,137.29	-1,369.88	10.00	9.98	-0.80
Begin 60.00° tangent									
5,926.53	60.00	316.952	5,442.00	-788.72	1,126.76	-1,354.45	0.00	0.00	0.00
MNCS_G									
5,968.71	60.00	316.952	5,463.09	-762.03	1,101.82	-1,317.95	0.00	0.00	0.00
Begin 10°/100' build/turn									
6,000.00	63.12	316.711	5,477.99	-741.97	1,083.00	-1,290.45	10.00	9.98	-0.77
6,009.01	64.02	316.644	5,482.00	-736.10	1,077.46	-1,282.38	10.00	9.98	-0.74
MNCS_H									
6,050.00	68.11	316.351	5,498.62	-708.93	1,051.68	-1,244.94	10.00	9.98	-0.71
6,100.00	73.10	316.016	5,515.22	-674.91	1,019.03	-1,197.80	10.00	9.98	-0.67
6,150.00	78.09	315.699	5,527.66	-640.17	985.32	-1,149.40	10.00	9.98	-0.64
6,173.30	80.42	315.555	5,532.00	-623.81	969.31	-1,126.51	10.00	9.98	-0.62
MNCS_I									
6,200.00	83.08	315.392	5,535.83	-604.97	950.78	-1,100.09	10.00	9.98	-0.61
6,250.00	88.07	315.092	5,539.69	-569.59	915.69	-1,050.25	10.00	9.98	-0.60
6,265.63	89.63	314.999	5,540.00	-558.53	904.65	-1,034.62	10.00	9.98	-0.60
Begin 89.63° lateral									
6,300.00	89.63	314.999	5,540.22	-534.22	880.35	-1,000.26	0.00	0.00	0.00
6,400.00	89.63	314.999	5,540.86	-463.52	809.64	-900.26	0.00	0.00	0.00
6,500.00	89.63	314.999	5,541.50	-392.81	738.93	-800.26	0.00	0.00	0.00
6,600.00	89.63	314.999	5,542.14	-322.10	668.22	-700.26	0.00	0.00	0.00
6,700.00	89.63	314.999	5,542.78	-251.39	597.51	-600.27	0.00	0.00	0.00
6,800.00	89.63	314.999	5,543.41	-180.68	526.80	-500.27	0.00	0.00	0.00
6,900.00	89.63	314.999	5,544.05	-109.97	456.09	-400.27	0.00	0.00	0.00
7,000.00	89.63	314.999	5,544.69	-39.27	385.38	-300.27	0.00	0.00	0.00
7,100.00	89.63	314.999	5,545.33	31.44	314.67	-200.27	0.00	0.00	0.00
7,200.00	89.63	314.999	5,545.97	102.15	243.96	-100.28	0.00	0.00	0.00
7,300.00	89.63	314.999	5,546.61	172.86	173.25	-0.28	0.00	0.00	0.00
7,400.00	89.63	314.999	5,547.25	243.57	102.54	99.72	0.00	0.00	0.00
7,500.00	89.63	314.999	5,547.89	314.27	31.83	199.72	0.00	0.00	0.00
7,600.00	89.63	314.999	5,548.53	384.98	-38.89	299.72	0.00	0.00	0.00
7,700.00	89.63	314.999	5,549.17	455.69	-109.60	399.71	0.00	0.00	0.00
7,800.00	89.63	314.999	5,549.81	526.40	-180.31	499.71	0.00	0.00	0.00
7,900.00	89.63	314.999	5,550.45	597.11	-251.02	599.71	0.00	0.00	0.00
8,000.00	89.63	314.999	5,551.09	667.82	-321.73	699.71	0.00	0.00	0.00
8,100.00	89.63	314.999	5,551.73	738.52	-392.44	799.71	0.00	0.00	0.00
8,200.00	89.63	314.999	5,552.37	809.23	-463.15	899.70	0.00	0.00	0.00
8,300.00	89.63	314.999	5,553.01	879.94	-533.86	999.70	0.00	0.00	0.00
8,400.00	89.63	314.999	5,553.65	950.65	-604.57	1,099.70	0.00	0.00	0.00
8,500.00	89.63	314.999	5,554.28	1,021.36	-675.28	1,199.70	0.00	0.00	0.00
8,600.00	89.63	314.999	5,554.92	1,092.07	-745.99	1,299.70	0.00	0.00	0.00
8,700.00	89.63	314.999	5,555.56	1,162.77	-816.70	1,399.69	0.00	0.00	0.00
8,800.00	89.63	314.999	5,556.20	1,233.48	-887.41	1,499.69	0.00	0.00	0.00
8,900.00	89.63	314.999	5,556.84	1,304.19	-958.12	1,599.69	0.00	0.00	0.00
9,000.00	89.63	314.999	5,557.48	1,374.90	-1,028.83	1,699.69	0.00	0.00	0.00
9,100.00	89.63	314.999	5,558.12	1,445.61	-1,099.54	1,799.69	0.00	0.00	0.00

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,200.00	89.63	314.999	5,558.76	1,516.32	-1,170.25	1,899.68	0.00	0.00	0.00
9,300.00	89.63	314.999	5,559.40	1,587.02	-1,240.96	1,999.68	0.00	0.00	0.00
9,400.00	89.63	314.999	5,560.04	1,657.73	-1,311.67	2,099.68	0.00	0.00	0.00
9,500.00	89.63	314.999	5,560.68	1,728.44	-1,382.38	2,199.68	0.00	0.00	0.00
9,600.00	89.63	314.999	5,561.32	1,799.15	-1,453.09	2,299.68	0.00	0.00	0.00
9,700.00	89.63	314.999	5,561.96	1,869.86	-1,523.80	2,399.67	0.00	0.00	0.00
9,800.00	89.63	314.999	5,562.60	1,940.57	-1,594.51	2,499.67	0.00	0.00	0.00
9,900.00	89.63	314.999	5,563.24	2,011.27	-1,665.22	2,599.67	0.00	0.00	0.00
10,000.00	89.63	314.999	5,563.88	2,081.98	-1,735.93	2,699.67	0.00	0.00	0.00
10,100.00	89.63	314.999	5,564.52	2,152.69	-1,806.64	2,799.66	0.00	0.00	0.00
10,200.00	89.63	314.999	5,565.15	2,223.40	-1,877.35	2,899.66	0.00	0.00	0.00
10,300.00	89.63	314.999	5,565.79	2,294.11	-1,948.06	2,999.66	0.00	0.00	0.00
10,400.00	89.63	314.999	5,566.43	2,364.82	-2,018.77	3,099.66	0.00	0.00	0.00
10,500.00	89.63	314.999	5,567.07	2,435.52	-2,089.48	3,199.66	0.00	0.00	0.00
10,600.00	89.63	314.999	5,567.71	2,506.23	-2,160.19	3,299.65	0.00	0.00	0.00
10,700.00	89.63	314.999	5,568.35	2,576.94	-2,230.90	3,399.65	0.00	0.00	0.00
10,800.00	89.63	314.999	5,568.99	2,647.65	-2,301.61	3,499.65	0.00	0.00	0.00
10,900.00	89.63	314.999	5,569.63	2,718.36	-2,372.32	3,599.65	0.00	0.00	0.00
11,000.00	89.63	314.999	5,570.27	2,789.07	-2,443.03	3,699.65	0.00	0.00	0.00
11,100.00	89.63	314.999	5,570.91	2,859.77	-2,513.74	3,799.64	0.00	0.00	0.00
11,200.00	89.63	314.999	5,571.55	2,930.48	-2,584.45	3,899.64	0.00	0.00	0.00
11,300.00	89.63	314.999	5,572.19	3,001.19	-2,655.16	3,999.64	0.00	0.00	0.00
11,400.00	89.63	314.999	5,572.83	3,071.90	-2,725.87	4,099.64	0.00	0.00	0.00
11,500.00	89.63	314.999	5,573.47	3,142.61	-2,796.58	4,199.64	0.00	0.00	0.00
11,600.00	89.63	314.999	5,574.11	3,213.32	-2,867.29	4,299.63	0.00	0.00	0.00
11,700.00	89.63	314.999	5,574.75	3,284.02	-2,938.00	4,399.63	0.00	0.00	0.00
11,800.00	89.63	314.999	5,575.39	3,354.73	-3,008.71	4,499.63	0.00	0.00	0.00
11,900.00	89.63	314.999	5,576.02	3,425.44	-3,079.42	4,599.63	0.00	0.00	0.00
12,000.00	89.63	314.999	5,576.66	3,496.15	-3,150.13	4,699.63	0.00	0.00	0.00
12,100.00	89.63	314.999	5,577.30	3,566.86	-3,220.84	4,799.62	0.00	0.00	0.00
12,200.00	89.63	314.999	5,577.94	3,637.57	-3,291.55	4,899.62	0.00	0.00	0.00
12,300.00	89.63	314.999	5,578.58	3,708.27	-3,362.26	4,999.62	0.00	0.00	0.00
12,400.00	89.63	314.999	5,579.22	3,778.98	-3,432.97	5,099.62	0.00	0.00	0.00
12,500.00	89.63	314.999	5,579.86	3,849.69	-3,503.68	5,199.62	0.00	0.00	0.00
12,600.00	89.63	314.999	5,580.50	3,920.40	-3,574.39	5,299.61	0.00	0.00	0.00
12,700.00	89.63	314.999	5,581.14	3,991.11	-3,645.10	5,399.61	0.00	0.00	0.00
12,800.00	89.63	314.999	5,581.78	4,061.82	-3,715.81	5,499.61	0.00	0.00	0.00
12,900.00	89.63	314.999	5,582.42	4,132.52	-3,786.52	5,599.61	0.00	0.00	0.00
13,000.00	89.63	314.999	5,583.06	4,203.23	-3,857.23	5,699.61	0.00	0.00	0.00
13,100.00	89.63	314.999	5,583.70	4,273.94	-3,927.94	5,799.60	0.00	0.00	0.00
13,200.00	89.63	314.999	5,584.34	4,344.65	-3,998.65	5,899.60	0.00	0.00	0.00
13,300.00	89.63	314.999	5,584.98	4,415.36	-4,069.36	5,999.60	0.00	0.00	0.00
13,400.00	89.63	314.999	5,585.62	4,486.07	-4,140.07	6,099.60	0.00	0.00	0.00
13,500.00	89.63	314.999	5,586.25	4,556.77	-4,210.78	6,199.60	0.00	0.00	0.00
13,600.00	89.63	314.999	5,586.89	4,627.48	-4,281.49	6,299.59	0.00	0.00	0.00
13,700.00	89.63	314.999	5,587.53	4,698.19	-4,352.20	6,399.59	0.00	0.00	0.00
13,800.00	89.63	314.999	5,588.17	4,768.90	-4,422.92	6,499.59	0.00	0.00	0.00
13,900.00	89.63	314.999	5,588.81	4,839.61	-4,493.63	6,599.59	0.00	0.00	0.00
14,000.00	89.63	314.999	5,589.45	4,910.31	-4,564.34	6,699.59	0.00	0.00	0.00
14,100.00	89.63	314.999	5,590.09	4,981.02	-4,635.05	6,799.58	0.00	0.00	0.00
14,200.00	89.63	314.999	5,590.73	5,051.73	-4,705.76	6,899.58	0.00	0.00	0.00
14,300.00	89.63	314.999	5,591.37	5,122.44	-4,776.47	6,999.58	0.00	0.00	0.00
14,400.00	89.63	314.999	5,592.01	5,193.15	-4,847.18	7,099.58	0.00	0.00	0.00
14,500.00	89.63	314.999	5,592.65	5,263.86	-4,917.89	7,199.58	0.00	0.00	0.00

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,600.00	89.63	314.999	5,593.29	5,334.56	-4,988.60	7,299.57	0.00	0.00	0.00
14,700.00	89.63	314.999	5,593.93	5,405.27	-5,059.31	7,399.57	0.00	0.00	0.00
14,800.00	89.63	314.999	5,594.57	5,475.98	-5,130.02	7,499.57	0.00	0.00	0.00
14,900.00	89.63	314.999	5,595.21	5,546.69	-5,200.73	7,599.57	0.00	0.00	0.00
15,000.00	89.63	314.999	5,595.85	5,617.40	-5,271.44	7,699.56	0.00	0.00	0.00
15,100.00	89.63	314.999	5,596.49	5,688.11	-5,342.15	7,799.56	0.00	0.00	0.00
15,200.00	89.63	314.999	5,597.12	5,758.81	-5,412.86	7,899.56	0.00	0.00	0.00
15,300.00	89.63	314.999	5,597.76	5,829.52	-5,483.57	7,999.56	0.00	0.00	0.00
15,400.00	89.63	314.999	5,598.40	5,900.23	-5,554.28	8,099.56	0.00	0.00	0.00
15,500.00	89.63	314.999	5,599.04	5,970.94	-5,624.99	8,199.55	0.00	0.00	0.00
15,600.00	89.63	314.999	5,599.68	6,041.65	-5,695.70	8,299.55	0.00	0.00	0.00
15,700.00	89.63	314.999	5,600.32	6,112.36	-5,766.41	8,399.55	0.00	0.00	0.00
15,800.00	89.63	314.999	5,600.96	6,183.06	-5,837.12	8,499.55	0.00	0.00	0.00
15,900.00	89.63	314.999	5,601.60	6,253.77	-5,907.83	8,599.55	0.00	0.00	0.00
16,000.00	89.63	314.999	5,602.24	6,324.48	-5,978.54	8,699.54	0.00	0.00	0.00
16,100.00	89.63	314.999	5,602.88	6,395.19	-6,049.25	8,799.54	0.00	0.00	0.00
16,200.00	89.63	314.999	5,603.52	6,465.90	-6,119.96	8,899.54	0.00	0.00	0.00
16,300.00	89.63	314.999	5,604.16	6,536.61	-6,190.67	8,999.54	0.00	0.00	0.00
16,400.00	89.63	314.999	5,604.80	6,607.31	-6,261.38	9,099.54	0.00	0.00	0.00
16,500.00	89.63	314.999	5,605.44	6,678.02	-6,332.09	9,199.53	0.00	0.00	0.00
16,600.00	89.63	314.999	5,606.08	6,748.73	-6,402.80	9,299.53	0.00	0.00	0.00
16,700.00	89.63	314.999	5,606.72	6,819.44	-6,473.51	9,399.53	0.00	0.00	0.00
16,744.45	89.63	314.999	5,607.00	6,850.87	-6,504.94	9,443.98	0.00	0.00	0.00
PBHL/TD @ 16744.45 MD 5607.00 TVD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Ridge 135H FTP 2384 F - plan hits target center - Point	0.00	0.000	5,540.00	-558.53	904.65	1,923,434.580	2,777,350.169	36.285944000	-107.649229000
Ridge 135H LTP 237 FN - plan hits target center - Point	0.00	0.000	5,607.00	6,850.87	-6,504.94	1,930,843.965	2,769,940.597	36.306334000	-107.674329000

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
3,798.24	3,567.00	9 5/8" Csg	9-5/8	12-1/4

Planning Report

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,234.59	1,234.00	Ojo Alamo			
1,359.11	1,357.00	Kirtland			
1,586.16	1,577.00	Fruitland			
1,933.39	1,897.00	Pictured Cliffs			
2,045.06	1,997.00	Lewis			
2,396.81	2,312.00	Chacra			
3,625.15	3,412.00	Cliff House			
3,630.74	3,417.00	Menefee			
4,563.16	4,252.00	Point Lookout			
4,825.58	4,487.00	Mancos			
5,227.81	4,857.00	MNCS_A			
5,313.24	4,942.00	MNCS_B			
5,434.45	5,062.00	MNCS_C			
5,518.19	5,142.00	MNCS_Cms			
5,601.19	5,217.00	MNCS_D			
5,698.01	5,297.00	MNCS_E			
5,772.94	5,352.00	MNCS_F			
5,926.53	5,442.00	MNCS_G			
6,009.01	5,482.00	MNCS_H			
6,173.30	5,532.00	MNCS_I			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,880.85	1,849.95	-123.06	157.09	Begin 26.43° tangent
5,047.11	4,685.38	-992.04	1,266.32	Begin 10°/100' build/turn
5,908.71	5,433.09	-800.00	1,137.29	Begin 60.00° tangent
5,968.71	5,463.09	-762.03	1,101.82	Begin 10°/100' build/turn
6,265.63	5,540.00	-558.53	904.65	Begin 89.63° lateral
16,744.45	5,607.00	6,850.87	-6,504.94	PBHL/TD @ 16744.45 MD 5607.00 TVD

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Project San Juan County, New Mexico NAD83 NM W

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

Site Ridge Unit (130, 135, 136 & 137)

Site Position:		**Northing:**	1,924,000.063 usft	**Latitude:**	36.287502000
From:	Lat/Long	**Easting:**	2,776,464.370 usft	**Longitude:**	-107.652231000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Ridge Unit No. 135H, Surf loc: 1822 FNL 2308 FWL Section 26-T24N-R08W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,923,993.112 usft	**Latitude:**	36.287483000
	+E/-W	0.00 ft	**Easting:**	2,776,445.521 usft	**Longitude:**	-107.652295000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,832.00 ft
Grid Convergence:		0.11 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/15/2023	8.54	62.77	49,131.85829180

Design rev1

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	314.999

Plan Survey Tool Program **Date** 8/16/2023

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,744.45	rev1 (Original Hole)	MWD OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,880.85	26.43	128.075	1,849.95	-123.06	157.09	3.00	3.00	0.00	128.08	
5,047.11	26.43	128.075	4,685.38	-992.04	1,266.32	0.00	0.00	0.00	0.00	
5,908.71	60.00	316.952	5,433.09	-800.00	1,137.29	10.00	3.90	-19.86	-172.30	
5,968.71	60.00	316.952	5,463.09	-762.03	1,101.82	0.00	0.00	0.00	0.00	
6,265.63	89.63	314.999	5,540.00	-558.53	904.65	10.00	9.98	-0.66	-3.94	
16,744.45	89.63	314.999	5,607.00	6,850.87	-6,504.94	0.00	0.00	0.00	0.00	Ridge 135H LTP 237

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
100.00	0.00	0.000	100.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
200.00	0.00	0.000	200.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
300.00	0.00	0.000	300.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
350.00	0.00	0.000	350.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
13 3/8" Csg									
400.00	0.00	0.000	400.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
500.00	0.00	0.000	500.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
600.00	0.00	0.000	600.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
700.00	0.00	0.000	700.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
800.00	0.00	0.000	800.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
900.00	0.00	0.000	900.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
1,000.00	0.00	0.000	1,000.00	0.00	0.00	1,923,993.112	2,776,445.521	36.287483000	-107.652295000
KOP Begin 3°/100' build									
1,100.00	3.00	128.075	1,099.95	-1.61	2.06	1,923,991.498	2,776,447.581	36.287478556	-107.652288019
1,200.00	6.00	128.075	1,199.63	-6.45	8.24	1,923,986.660	2,776,453.757	36.287465234	-107.652267095
1,234.59	7.04	128.075	1,234.00	-8.87	11.33	1,923,984.238	2,776,456.848	36.287458565	-107.652256621
Ojo Alamo									
1,300.00	9.00	128.075	1,298.77	-14.50	18.51	1,923,978.611	2,776,464.031	36.287443071	-107.652232285
1,359.11	10.77	128.075	1,357.00	-20.76	26.50	1,923,972.352	2,776,472.020	36.287425836	-107.652205215
Kirtland									
1,400.00	12.00	128.075	1,397.08	-25.74	32.85	1,923,967.374	2,776,478.375	36.287412128	-107.652183685
1,500.00	15.00	128.075	1,494.31	-40.13	51.23	1,923,952.979	2,776,496.750	36.287372491	-107.652121429
1,586.16	17.58	128.075	1,577.00	-55.04	70.25	1,923,938.074	2,776,515.775	36.287331448	-107.652056966
Fruitland									
1,600.00	18.00	128.075	1,590.18	-57.65	73.58	1,923,935.466	2,776,519.105	36.287324266	-107.652045686
1,700.00	21.00	128.075	1,684.43	-78.23	99.86	1,923,914.883	2,776,545.379	36.287267588	-107.651956665
1,800.00	24.00	128.075	1,776.81	-101.83	129.98	1,923,891.285	2,776,575.500	36.287202610	-107.651854609
1,880.85	26.43	128.075	1,849.95	-123.06	157.09	1,923,870.048	2,776,602.609	36.287144131	-107.651762761
Begin 26.43° tangent									
1,900.00	26.43	128.075	1,867.10	-128.32	163.80	1,923,864.792	2,776,609.319	36.287129657	-107.651740027
1,933.39	26.43	128.075	1,897.00	-137.48	175.49	1,923,855.629	2,776,621.015	36.287104425	-107.651700397
Pictured Cliffs									
2,000.00	26.43	128.075	1,956.65	-155.77	198.83	1,923,837.347	2,776,644.351	36.287054084	-107.651621331
2,045.06	26.43	128.075	1,997.00	-168.13	214.61	1,923,824.982	2,776,660.136	36.287020034	-107.651567852
Lewis									
2,100.00	26.43	128.075	2,046.20	-183.21	233.86	1,923,809.902	2,776,679.384	36.286978510	-107.651502634
2,200.00	26.43	128.075	2,135.76	-210.66	268.90	1,923,782.457	2,776,714.417	36.286902937	-107.651383938
2,300.00	26.43	128.075	2,225.31	-238.10	303.93	1,923,755.012	2,776,749.450	36.286827363	-107.651265243
2,396.81	26.43	128.075	2,312.00	-264.67	337.84	1,923,728.443	2,776,783.365	36.286754202	-107.651150336
Chacra									
2,400.00	26.43	128.075	2,314.86	-265.55	338.96	1,923,727.567	2,776,784.483	36.286751789	-107.651146547
2,500.00	26.43	128.075	2,404.41	-292.99	374.00	1,923,700.122	2,776,819.516	36.286676216	-107.651027852
2,600.00	26.43	128.075	2,493.96	-320.44	409.03	1,923,672.677	2,776,854.549	36.286600642	-107.650909157
2,700.00	26.43	128.075	2,583.51	-347.88	444.06	1,923,645.232	2,776,889.582	36.286525068	-107.650790462
2,800.00	26.43	128.075	2,673.06	-375.33	479.09	1,923,617.787	2,776,924.615	36.286449494	-107.650671767
2,900.00	26.43	128.075	2,762.62	-402.77	514.13	1,923,590.342	2,776,959.648	36.286373919	-107.650553073
3,000.00	26.43	128.075	2,852.17	-430.22	549.16	1,923,562.897	2,776,994.680	36.286298345	-107.650434379
3,100.00	26.43	128.075	2,941.72	-457.66	584.19	1,923,535.452	2,777,029.713	36.286222770	-107.650315685
3,200.00	26.43	128.075	3,031.27	-485.11	619.23	1,923,508.007	2,777,064.746	36.286147196	-107.650196991
3,300.00	26.43	128.075	3,120.82	-512.55	654.26	1,923,480.563	2,777,099.779	36.286071621	-107.650078297
3,400.00	26.43	128.075	3,210.37	-540.00	689.29	1,923,453.118	2,777,134.812	36.285996046	-107.649959604
3,500.00	26.43	128.075	3,299.92	-567.44	724.33	1,923,425.673	2,777,169.845	36.285920471	-107.649840911

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,600.00	26.43	128.075	3,389.48	-594.89	759.36	1,923,398.228	2,777,204.878	36.285844896	-107.649722218
3,625.15	26.43	128.075	3,412.00	-601.79	768.17	1,923,391.325	2,777,213.689	36.285825887	-107.649692364
Cliff House									
3,630.74	26.43	128.075	3,417.00	-603.32	770.13	1,923,389.792	2,777,215.645	36.285821667	-107.649685737
Menefee									
3,700.00	26.43	128.075	3,479.03	-622.33	794.39	1,923,370.783	2,777,239.911	36.285769321	-107.649603526
3,798.24	26.43	128.075	3,567.00	-649.29	828.81	1,923,343.822	2,777,274.326	36.285695078	-107.649486926
9 5/8" Csg									
3,800.00	26.43	128.075	3,568.58	-649.78	829.42	1,923,343.338	2,777,274.944	36.285693745	-107.649484833
3,900.00	26.43	128.075	3,658.13	-677.22	864.46	1,923,315.893	2,777,309.977	36.285618170	-107.649366141
4,000.00	26.43	128.075	3,747.68	-704.67	899.49	1,923,288.448	2,777,345.009	36.285542594	-107.649247449
4,100.00	26.43	128.075	3,837.23	-732.11	934.52	1,923,261.003	2,777,380.042	36.285467019	-107.649128758
4,200.00	26.43	128.075	3,926.78	-759.56	969.56	1,923,233.558	2,777,415.075	36.285391443	-107.649010066
4,300.00	26.43	128.075	4,016.34	-787.00	1,004.59	1,923,206.113	2,777,450.108	36.285315867	-107.648891375
4,400.00	26.43	128.075	4,105.89	-814.45	1,039.62	1,923,178.668	2,777,485.141	36.285240291	-107.648772684
4,500.00	26.43	128.075	4,195.44	-841.89	1,074.66	1,923,151.223	2,777,520.174	36.285164715	-107.648653993
4,563.16	26.43	128.075	4,252.00	-859.22	1,096.78	1,923,133.889	2,777,542.301	36.285116980	-107.648579028
Point Lookout									
4,600.00	26.43	128.075	4,284.99	-869.34	1,109.69	1,923,123.778	2,777,555.207	36.285089139	-107.648535303
4,700.00	26.43	128.075	4,374.54	-896.78	1,144.72	1,923,096.333	2,777,590.240	36.285013562	-107.648416612
4,800.00	26.43	128.075	4,464.09	-924.23	1,179.75	1,923,068.888	2,777,625.273	36.284937986	-107.648297922
4,825.58	26.43	128.075	4,487.00	-931.25	1,188.72	1,923,061.868	2,777,634.234	36.284918653	-107.648267562
Mancos									
4,900.00	26.43	128.075	4,553.64	-951.67	1,214.79	1,923,041.443	2,777,660.305	36.284862409	-107.648179234
5,000.00	26.43	128.075	4,643.20	-979.12	1,249.82	1,923,013.998	2,777,695.338	36.284786832	-107.648060544
5,047.11	26.43	128.075	4,685.38	-992.04	1,266.32	1,923,001.069	2,777,711.842	36.284751228	-107.648004630
Begin 10°/100' build/turn									
5,050.00	26.14	127.987	4,687.98	-992.83	1,267.33	1,923,000.281	2,777,712.850	36.284749057	-107.648001214
5,100.00	21.20	126.118	4,733.76	-1,004.95	1,283.32	1,922,988.166	2,777,728.842	36.284715694	-107.647947032
5,150.00	16.28	123.181	4,781.09	-1,014.12	1,296.50	1,922,978.996	2,777,742.019	36.284690434	-107.647902384
5,200.00	11.45	117.824	4,829.62	-1,020.27	1,306.76	1,922,972.841	2,777,752.279	36.284673470	-107.647867609
5,227.81	8.83	112.376	4,857.00	-1,022.37	1,311.18	1,922,970.739	2,777,756.695	36.284667675	-107.647852639
MNCS_A									
5,250.00	6.84	105.128	4,878.98	-1,023.37	1,314.03	1,922,969.746	2,777,759.546	36.284664931	-107.647842972
5,300.00	3.54	60.215	4,928.79	-1,023.38	1,318.25	1,922,969.736	2,777,763.764	36.284664881	-107.647828662
5,313.24	3.44	38.401	4,942.00	-1,022.86	1,318.85	1,922,970.250	2,777,764.366	36.284666291	-107.647826617
MNCS_B									
5,350.00	5.31	354.931	4,978.66	-1,020.30	1,319.38	1,922,972.810	2,777,764.900	36.284673321	-107.647824786
5,400.00	9.69	335.452	5,028.23	-1,014.17	1,317.43	1,922,978.946	2,777,762.947	36.284690187	-107.647831374
5,434.45	12.97	330.008	5,062.00	-1,008.18	1,314.29	1,922,984.931	2,777,759.810	36.284706643	-107.647841977
MNCS_C									
5,450.00	14.47	328.355	5,077.11	-1,005.02	1,312.40	1,922,988.097	2,777,757.918	36.284715350	-107.647848376
5,500.00	19.36	324.759	5,124.93	-992.92	1,304.33	1,923,000.192	2,777,749.853	36.284748619	-107.647875663
5,518.19	21.15	323.853	5,142.00	-987.81	1,300.66	1,923,005.306	2,777,746.177	36.284762687	-107.647888105
MNCS_Cms									
5,550.00	24.30	322.577	5,171.34	-977.97	1,293.29	1,923,015.140	2,777,738.813	36.284789741	-107.647913027
5,600.00	29.25	321.096	5,215.96	-960.29	1,279.36	1,923,032.828	2,777,724.881	36.284838402	-107.647960184
5,601.19	29.37	321.067	5,217.00	-959.83	1,279.00	1,923,033.282	2,777,724.514	36.284839651	-107.647961425
MNCS_D									
5,650.00	34.22	320.013	5,258.47	-939.99	1,262.64	1,923,053.120	2,777,708.163	36.284894233	-107.648016775
5,698.01	39.00	319.206	5,297.00	-918.20	1,244.09	1,923,074.912	2,777,689.608	36.284954195	-107.648079592
MNCS_E									
5,700.00	39.20	319.176	5,298.54	-917.25	1,243.27	1,923,075.862	2,777,688.788	36.284956808	-107.648082369

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,750.00	44.17	318.500	5,335.87	-892.23	1,221.38	1,923,100.881	2,777,666.902	36.285025652	-107.648156467
5,772.94	46.46	318.229	5,352.00	-880.05	1,210.55	1,923,113.067	2,777,656.067	36.285059186	-107.648193149
MNCS_F									
5,800.00	49.16	317.935	5,370.18	-865.13	1,197.15	1,923,127.986	2,777,642.672	36.285100239	-107.648238504
5,850.00	54.14	317.450	5,401.19	-836.14	1,170.76	1,923,156.972	2,777,616.282	36.285180003	-107.648327858
5,900.00	59.13	317.022	5,428.68	-805.50	1,142.41	1,923,187.618	2,777,587.933	36.285264337	-107.648423847
5,908.71	60.00	316.952	5,433.09	-800.00	1,137.29	1,923,193.111	2,777,582.808	36.285279454	-107.648441201
Begin 60.00° tangent									
5,926.53	60.00	316.952	5,442.00	-788.72	1,126.76	1,923,204.389	2,777,572.274	36.285310490	-107.648476871
MNCS_G									
5,968.71	60.00	316.952	5,463.09	-762.03	1,101.82	1,923,231.083	2,777,547.339	36.285383952	-107.648561304
Begin 10°/100' build/turn									
6,000.00	63.12	316.711	5,477.99	-741.97	1,083.00	1,923,251.145	2,777,528.519	36.285439162	-107.648625031
6,009.01	64.02	316.644	5,482.00	-736.10	1,077.46	1,923,257.018	2,777,522.980	36.285455323	-107.648643786
MNCS_H									
6,050.00	68.11	316.351	5,498.62	-708.93	1,051.68	1,923,284.183	2,777,497.197	36.285530083	-107.648731094
6,100.00	73.10	316.016	5,515.22	-674.91	1,019.03	1,923,318.202	2,777,464.553	36.285623705	-107.648841638
6,150.00	78.09	315.699	5,527.66	-640.17	985.32	1,923,352.942	2,777,430.835	36.285719315	-107.648955821
6,173.30	80.42	315.555	5,532.00	-623.81	969.31	1,923,369.305	2,777,414.827	36.285764347	-107.649010033
MNCS_I									
6,200.00	83.08	315.392	5,535.83	-604.97	950.78	1,923,388.140	2,777,396.300	36.285816186	-107.649072774
6,250.00	88.07	315.092	5,539.69	-569.59	915.69	1,923,423.527	2,777,361.210	36.285913580	-107.649191608
6,265.63	89.63	314.999	5,540.00	-558.53	904.65	1,923,434.587	2,777,350.168	36.285944019	-107.649229003
Begin 89.63° lateral									
6,300.00	89.63	314.999	5,540.22	-534.22	880.35	1,923,458.888	2,777,325.866	36.286010902	-107.649311304
6,400.00	89.63	314.999	5,540.86	-463.52	809.64	1,923,529.596	2,777,255.156	36.286205510	-107.649550773
6,500.00	89.63	314.999	5,541.50	-392.81	738.93	1,923,600.304	2,777,184.446	36.286400117	-107.649790244
6,600.00	89.63	314.999	5,542.14	-322.10	668.22	1,923,671.013	2,777,113.736	36.286594724	-107.650029716
6,700.00	89.63	314.999	5,542.78	-251.39	597.51	1,923,741.721	2,777,043.026	36.286789330	-107.650269189
6,800.00	89.63	314.999	5,543.41	-180.68	526.80	1,923,812.429	2,776,972.316	36.286983936	-107.650508664
6,900.00	89.63	314.999	5,544.05	-109.97	456.09	1,923,883.137	2,776,901.606	36.287178542	-107.650748139
7,000.00	89.63	314.999	5,544.69	-39.27	385.38	1,923,953.845	2,776,830.896	36.287373147	-107.650987616
7,100.00	89.63	314.999	5,545.33	31.44	314.67	1,924,024.553	2,776,760.186	36.287567751	-107.651227094
7,200.00	89.63	314.999	5,545.97	102.15	243.96	1,924,095.262	2,776,689.476	36.287762355	-107.651466573
7,300.00	89.63	314.999	5,546.61	172.86	173.25	1,924,165.970	2,776,618.766	36.287956958	-107.651706053
7,400.00	89.63	314.999	5,547.25	243.57	102.54	1,924,236.678	2,776,548.056	36.288151561	-107.651945534
7,500.00	89.63	314.999	5,547.89	314.27	31.83	1,924,307.386	2,776,477.346	36.288346164	-107.652185017
7,600.00	89.63	314.999	5,548.53	384.98	-38.89	1,924,378.094	2,776,406.636	36.288540766	-107.652424501
7,700.00	89.63	314.999	5,549.17	455.69	-109.60	1,924,448.802	2,776,335.926	36.288735367	-107.652663986
7,800.00	89.63	314.999	5,549.81	526.40	-180.31	1,924,519.510	2,776,265.216	36.288929968	-107.652903472
7,900.00	89.63	314.999	5,550.45	597.11	-251.02	1,924,590.219	2,776,194.506	36.289124569	-107.653142960
8,000.00	89.63	314.999	5,551.09	667.82	-321.73	1,924,660.927	2,776,123.796	36.289319169	-107.653382448
8,100.00	89.63	314.999	5,551.73	738.52	-392.44	1,924,731.635	2,776,053.086	36.289513769	-107.653621938
8,200.00	89.63	314.999	5,552.37	809.23	-463.15	1,924,802.343	2,775,982.376	36.289708368	-107.653861429
8,300.00	89.63	314.999	5,553.01	879.94	-533.86	1,924,873.051	2,775,911.666	36.289902966	-107.654100921
8,400.00	89.63	314.999	5,553.65	950.65	-604.57	1,924,943.759	2,775,840.956	36.290097564	-107.654340414
8,500.00	89.63	314.999	5,554.28	1,021.36	-675.28	1,925,014.468	2,775,770.246	36.290292162	-107.654579909
8,600.00	89.63	314.999	5,554.92	1,092.07	-745.99	1,925,085.176	2,775,699.536	36.290486759	-107.654819405
8,700.00	89.63	314.999	5,555.56	1,162.77	-816.70	1,925,155.884	2,775,628.826	36.290681356	-107.655058902
8,800.00	89.63	314.999	5,556.20	1,233.48	-887.41	1,925,226.592	2,775,558.116	36.290875952	-107.655298400
8,900.00	89.63	314.999	5,556.84	1,304.19	-958.12	1,925,297.300	2,775,487.406	36.291070548	-107.655537899
9,000.00	89.63	314.999	5,557.48	1,374.90	-1,028.83	1,925,368.008	2,775,416.696	36.291265143	-107.655777400
9,100.00	89.63	314.999	5,558.12	1,445.61	-1,099.54	1,925,438.717	2,775,345.986	36.291459738	-107.656016901
9,200.00	89.63	314.999	5,558.76	1,516.32	-1,170.25	1,925,509.425	2,775,275.276	36.291654332	-107.656256404

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,300.00	89.63	314.999	5,559.40	1,587.02	-1,240.96	1,925,580.133	2,775,204.566	36.291848926	-107.656495908
9,400.00	89.63	314.999	5,560.04	1,657.73	-1,311.67	1,925,650.841	2,775,133.856	36.292043519	-107.656735413
9,500.00	89.63	314.999	5,560.68	1,728.44	-1,382.38	1,925,721.549	2,775,063.146	36.292238112	-107.656974920
9,600.00	89.63	314.999	5,561.32	1,799.15	-1,453.09	1,925,792.257	2,774,992.436	36.292432705	-107.657214427
9,700.00	89.63	314.999	5,561.96	1,869.86	-1,523.80	1,925,862.966	2,774,921.726	36.292627296	-107.657453936
9,800.00	89.63	314.999	5,562.60	1,940.57	-1,594.51	1,925,933.674	2,774,851.016	36.292821888	-107.657693446
9,900.00	89.63	314.999	5,563.24	2,011.27	-1,665.22	1,926,004.382	2,774,780.306	36.293016479	-107.657932957
10,000.00	89.63	314.999	5,563.88	2,081.98	-1,735.93	1,926,075.090	2,774,709.596	36.293211069	-107.658172470
10,100.00	89.63	314.999	5,564.52	2,152.69	-1,806.64	1,926,145.798	2,774,638.886	36.293405659	-107.658411983
10,200.00	89.63	314.999	5,565.15	2,223.40	-1,877.35	1,926,216.506	2,774,568.176	36.293600249	-107.658651498
10,300.00	89.63	314.999	5,565.79	2,294.11	-1,948.06	1,926,287.215	2,774,497.466	36.293794838	-107.658891014
10,400.00	89.63	314.999	5,566.43	2,364.82	-2,018.77	1,926,357.923	2,774,426.756	36.293989426	-107.659130531
10,500.00	89.63	314.999	5,567.07	2,435.52	-2,089.48	1,926,428.632	2,774,356.046	36.294184014	-107.659370050
10,600.00	89.63	314.999	5,567.71	2,506.23	-2,160.19	1,926,499.340	2,774,285.336	36.294378602	-107.659609569
10,700.00	89.63	314.999	5,568.35	2,576.94	-2,230.90	1,926,570.048	2,774,214.626	36.294573189	-107.659849090
10,800.00	89.63	314.999	5,568.99	2,647.65	-2,301.61	1,926,640.756	2,774,143.916	36.294767775	-107.660088612
10,900.00	89.63	314.999	5,569.63	2,718.36	-2,372.32	1,926,711.464	2,774,073.206	36.294962361	-107.660328135
11,000.00	89.63	314.999	5,570.27	2,789.07	-2,443.03	1,926,782.173	2,774,002.496	36.295156947	-107.660567659
11,100.00	89.63	314.999	5,570.91	2,859.77	-2,513.74	1,926,852.881	2,773,931.786	36.295351531	-107.660807185
11,200.00	89.63	314.999	5,571.55	2,930.48	-2,584.45	1,926,923.589	2,773,861.076	36.295546116	-107.661046711
11,300.00	89.63	314.999	5,572.19	3,001.19	-2,655.16	1,926,994.297	2,773,790.366	36.295740700	-107.661286239
11,400.00	89.63	314.999	5,572.83	3,071.90	-2,725.87	1,927,065.005	2,773,719.656	36.295935283	-107.661525768
11,500.00	89.63	314.999	5,573.47	3,142.61	-2,796.58	1,927,135.713	2,773,648.946	36.296129867	-107.661765298
11,600.00	89.63	314.999	5,574.11	3,213.32	-2,867.29	1,927,206.422	2,773,578.236	36.296324449	-107.662004830
11,700.00	89.63	314.999	5,574.75	3,284.02	-2,938.00	1,927,277.130	2,773,507.526	36.296519031	-107.662244362
11,800.00	89.63	314.999	5,575.39	3,354.73	-3,008.71	1,927,347.838	2,773,436.816	36.296713613	-107.662483896
11,900.00	89.63	314.999	5,576.02	3,425.44	-3,079.42	1,927,418.546	2,773,366.106	36.296908194	-107.662723431
12,000.00	89.63	314.999	5,576.66	3,496.15	-3,150.13	1,927,489.254	2,773,295.395	36.297102775	-107.662962967
12,100.00	89.63	314.999	5,577.30	3,566.86	-3,220.84	1,927,559.962	2,773,224.685	36.297297355	-107.663202505
12,200.00	89.63	314.999	5,577.94	3,637.57	-3,291.55	1,927,630.671	2,773,153.975	36.297491935	-107.663442043
12,300.00	89.63	314.999	5,578.58	3,708.27	-3,362.26	1,927,701.379	2,773,083.265	36.297686515	-107.663681583
12,400.00	89.63	314.999	5,579.22	3,778.98	-3,432.97	1,927,772.087	2,773,012.555	36.297881093	-107.663921124
12,500.00	89.63	314.999	5,579.86	3,849.69	-3,503.68	1,927,842.795	2,772,941.845	36.298075672	-107.664160666
12,600.00	89.63	314.999	5,580.50	3,920.40	-3,574.39	1,927,913.503	2,772,871.135	36.298270250	-107.664400209
12,700.00	89.63	314.999	5,581.14	3,991.11	-3,645.10	1,927,984.211	2,772,800.425	36.298464827	-107.664639754
12,800.00	89.63	314.999	5,581.78	4,061.82	-3,715.81	1,928,054.920	2,772,729.715	36.298659404	-107.664879299
12,900.00	89.63	314.999	5,582.42	4,132.52	-3,786.52	1,928,125.628	2,772,659.005	36.298853980	-107.665118846
13,000.00	89.63	314.999	5,583.06	4,203.23	-3,857.23	1,928,196.336	2,772,588.295	36.299048556	-107.665358394
13,100.00	89.63	314.999	5,583.70	4,273.94	-3,927.94	1,928,267.044	2,772,517.585	36.299243132	-107.665597944
13,200.00	89.63	314.999	5,584.34	4,344.65	-3,998.65	1,928,337.752	2,772,446.875	36.299437707	-107.665837494
13,300.00	89.63	314.999	5,584.98	4,415.36	-4,069.36	1,928,408.460	2,772,376.165	36.299632281	-107.666077046
13,400.00	89.63	314.999	5,585.62	4,486.07	-4,140.07	1,928,479.169	2,772,305.455	36.299826855	-107.666316599
13,500.00	89.63	314.999	5,586.25	4,556.77	-4,210.78	1,928,549.877	2,772,234.745	36.300021429	-107.666556153
13,600.00	89.63	314.999	5,586.89	4,627.48	-4,281.49	1,928,620.585	2,772,164.035	36.300216002	-107.666795708
13,700.00	89.63	314.999	5,587.53	4,698.19	-4,352.20	1,928,691.293	2,772,093.325	36.300410574	-107.667035264
13,800.00	89.63	314.999	5,588.17	4,768.90	-4,422.92	1,928,762.001	2,772,022.615	36.300605146	-107.667274822
13,900.00	89.63	314.999	5,588.81	4,839.61	-4,493.63	1,928,832.709	2,771,951.905	36.300799718	-107.667514381
14,000.00	89.63	314.999	5,589.45	4,910.31	-4,564.34	1,928,903.417	2,771,881.195	36.300994289	-107.667753941
14,100.00	89.63	314.999	5,590.09	4,981.02	-4,635.05	1,928,974.126	2,771,810.485	36.301188860	-107.667993502
14,200.00	89.63	314.999	5,590.73	5,051.73	-4,705.76	1,929,044.834	2,771,739.775	36.301383430	-107.668233064
14,300.00	89.63	314.999	5,591.37	5,122.44	-4,776.47	1,929,115.542	2,771,669.065	36.301577999	-107.668472628
14,400.00	89.63	314.999	5,592.01	5,193.15	-4,847.18	1,929,186.250	2,771,598.355	36.301772569	-107.668712192
14,500.00	89.63	314.999	5,592.65	5,263.86	-4,917.89	1,929,256.958	2,771,527.645	36.301967137	-107.668951758
14,600.00	89.63	314.999	5,593.29	5,334.56	-4,988.60	1,929,327.666	2,771,456.935	36.302161705	-107.669191325
14,700.00	89.63	314.999	5,593.93	5,405.27	-5,059.31	1,929,398.375	2,771,386.225	36.302356273	-107.669430894

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,800.00	89.63	314.999	5,594.57	5,475.98	-5,130.02	1,929,469.083	2,771,315.515	36.302550840	-107.669670463
14,900.00	89.63	314.999	5,595.21	5,546.69	-5,200.73	1,929,539.791	2,771,244.805	36.302745407	-107.669910034
15,000.00	89.63	314.999	5,595.85	5,617.40	-5,271.44	1,929,610.499	2,771,174.095	36.302939973	-107.670149606
15,100.00	89.63	314.999	5,596.49	5,688.11	-5,342.15	1,929,681.207	2,771,103.385	36.303134539	-107.670389179
15,200.00	89.63	314.999	5,597.12	5,758.81	-5,412.86	1,929,751.915	2,771,032.675	36.303329104	-107.670628753
15,300.00	89.63	314.999	5,597.76	5,829.52	-5,483.57	1,929,822.624	2,770,961.965	36.303523669	-107.670868329
15,400.00	89.63	314.999	5,598.40	5,900.23	-5,554.28	1,929,893.332	2,770,891.255	36.303718234	-107.671107905
15,500.00	89.63	314.999	5,599.04	5,970.94	-5,624.99	1,929,964.040	2,770,820.545	36.303912797	-107.671347483
15,600.00	89.63	314.999	5,599.68	6,041.65	-5,695.70	1,930,034.748	2,770,749.835	36.304107361	-107.671587062
15,700.00	89.63	314.999	5,600.32	6,112.36	-5,766.41	1,930,105.456	2,770,679.125	36.304301924	-107.671826642
15,800.00	89.63	314.999	5,600.96	6,183.06	-5,837.12	1,930,176.164	2,770,608.415	36.304496486	-107.672066224
15,900.00	89.63	314.999	5,601.60	6,253.77	-5,907.83	1,930,246.873	2,770,537.705	36.304691048	-107.672305806
16,000.00	89.63	314.999	5,602.24	6,324.48	-5,978.54	1,930,317.581	2,770,466.995	36.304885609	-107.672545390
16,100.00	89.63	314.999	5,602.88	6,395.19	-6,049.25	1,930,388.289	2,770,396.285	36.305080170	-107.672784975
16,200.00	89.63	314.999	5,603.52	6,465.90	-6,119.96	1,930,458.997	2,770,325.575	36.305274731	-107.673024561
16,300.00	89.63	314.999	5,604.16	6,536.61	-6,190.67	1,930,529.705	2,770,254.865	36.305469291	-107.673264148
16,400.00	89.63	314.999	5,604.80	6,607.31	-6,261.38	1,930,600.413	2,770,184.155	36.305663850	-107.673503737
16,500.00	89.63	314.999	5,605.44	6,678.02	-6,332.09	1,930,671.122	2,770,113.445	36.305858409	-107.673743327
16,600.00	89.63	314.999	5,606.08	6,748.73	-6,402.80	1,930,741.830	2,770,042.735	36.306052968	-107.673982918
16,700.00	89.63	314.999	5,606.72	6,819.44	-6,473.51	1,930,812.538	2,769,972.025	36.306247526	-107.674222510
16,744.45	89.63	314.999	5,607.00	6,850.87	-6,504.94	1,930,843.965	2,769,940.597	36.306334000	-107.674329000
PBHL/TD @ 16744.45 MD 5607.00 TVD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Ridge 135H FTP 2384 F - plan hits target center - Point	0.00	0.000	5,540.00	-558.53	904.65	1,923,434.580	2,777,350.169	36.285944000	-107.649229000
Ridge 135H LTP 237 FN - plan hits target center - Point	0.00	0.000	5,607.00	6,850.87	-6,504.94	1,930,843.965	2,769,940.597	36.306334000	-107.674329000

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
3,798.24	3,567.00	9 5/8" Csg	9-5/8	12-1/4

Planning Report - Geographic

Database:	DB_Decv0422v16	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site:	Ridge Unit (130, 135, 136 & 137)	**North Reference:**	Grid
Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,234.59	1,234.00	Ojo Alamo			
1,359.11	1,357.00	Kirtland			
1,586.16	1,577.00	Fruitland			
1,933.39	1,897.00	Pictured Cliffs			
2,045.06	1,997.00	Lewis			
2,396.81	2,312.00	Chacra			
3,625.15	3,412.00	Cliff House			
3,630.74	3,417.00	Menefee			
4,563.16	4,252.00	Point Lookout			
4,825.58	4,487.00	Mancos			
5,227.81	4,857.00	MNCS_A			
5,313.24	4,942.00	MNCS_B			
5,434.45	5,062.00	MNCS_C			
5,518.19	5,142.00	MNCS_Cms			
5,601.19	5,217.00	MNCS_D			
5,698.01	5,297.00	MNCS_E			
5,772.94	5,352.00	MNCS_F			
5,926.53	5,442.00	MNCS_G			
6,009.01	5,482.00	MNCS_H			
6,173.30	5,532.00	MNCS_I			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,880.85	1,849.95	-123.06	157.09	Begin 26.43° tangent
5,047.11	4,685.38	-992.04	1,266.32	Begin 10°/100' build/turn
5,908.71	5,433.09	-800.00	1,137.29	Begin 60.00° tangent
5,968.71	5,463.09	-762.03	1,101.82	Begin 10°/100' build/turn
6,265.63	5,540.00	-558.53	904.65	Begin 89.63° lateral
16,744.45	5,607.00	6,850.87	-6,504.94	PBHL/TD @ 16744.45 MD 5607.00 TVD

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Reference rev1

Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.00ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,874.49ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 8/16/2023

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,744.45	rev1 (Original Hole)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NW Lybrook (138, 139, 140 & 141)						
Lybrook 2408 138H - Original Hole - rev0	5,672.76	7,880.16	529.68	451.04	6.736	CC
Lybrook 2408 138H - Original Hole - rev0	5,700.00	7,890.93	530.77	450.24	6.591	ES
Lybrook 2408 138H - Original Hole - rev0	5,800.00	7,936.72	552.15	466.16	6.421	SF
Ridge Unit (130, 135, 136 & 137)						
Ridge Unit No. 130H - Original Hole - rev1	500.00	500.00	20.09	16.95	6.405	CC, ES
Ridge Unit No. 130H - Original Hole - rev1	15,600.00	17,410.95	1,157.74	678.77	2.417	SF
Ridge Unit No. 136H - Original Hole - rev1	1,000.00	1,000.00	19.97	13.25	2.971	CC, ES
Ridge Unit No. 136H - Original Hole - rev1	16,744.89	15,364.49	1,156.71	684.52	2.450	SF
Ridge Unit No. 137H - Original Hole - rev1	800.00	800.00	40.06	34.77	7.576	CC, ES
Ridge Unit No. 137H - Original Hole - rev1	900.00	897.87	42.61	36.63	7.124	SF

Offset Design: NW Lybrook (138, 139, 140 & 141) - Lybrook 2408 138H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD **Rule Assigned:** **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,100.00	3,837.23	8,205.77	5,550.28	25.59	67.37	127.12	-1,391.77	927.64	1,821.70	1,775.23	46.47	39.202	
4,200.00	3,926.78	8,170.37	5,550.43	26.46	66.56	126.51	-1,391.76	963.04	1,728.43	1,681.89	46.54	37.139	
4,300.00	4,016.34	8,134.98	5,550.58	27.33	65.75	125.83	-1,391.74	998.44	1,635.19	1,588.57	46.62	35.072	
4,400.00	4,105.89	8,099.58	5,550.73	28.20	64.94	125.08	-1,391.73	1,033.84	1,541.99	1,495.26	46.73	32.995	
4,500.00	4,195.44	8,064.18	5,550.88	29.07	64.13	124.23	-1,391.71	1,069.23	1,448.83	1,401.97	46.87	30.914	
4,600.00	4,284.99	8,028.78	5,551.03	29.95	63.33	123.27	-1,391.69	1,104.63	1,355.72	1,308.69	47.03	28.826	
4,700.00	4,374.54	7,993.38	5,551.18	30.82	62.53	122.18	-1,391.68	1,140.03	1,262.68	1,215.44	47.23	26.732	
4,800.00	4,464.09	7,957.98	5,551.33	31.70	61.73	120.93	-1,391.66	1,175.43	1,169.70	1,122.23	47.48	24.636	
4,900.00	4,553.64	7,922.58	5,551.48	32.57	60.94	119.48	-1,391.65	1,210.83	1,076.83	1,029.05	47.78	22.536	
5,000.00	4,643.20	7,887.18	5,551.63	33.45	60.15	117.79	-1,391.63	1,246.23	984.08	935.92	48.16	20.435	
5,100.00	4,733.76	7,853.31	5,551.77	34.29	59.40	104.32	-1,391.62	1,280.10	891.27	842.52	48.74	18.285	
5,200.00	4,829.62	7,829.47	5,551.87	34.88	58.87	85.31	-1,391.60	1,303.94	798.81	748.51	50.30	15.880	
5,300.00	4,928.79	7,817.57	5,551.92	35.21	58.60	124.91	-1,391.60	1,315.84	710.93	657.65	53.28	13.342	
5,400.00	5,028.23	7,817.96	5,551.92	35.32	58.61	-159.45	-1,391.60	1,315.45	633.43	575.31	58.11	10.900	
5,500.00	5,124.93	7,830.64	5,551.87	35.31	58.89	-152.42	-1,391.61	1,302.77	573.27	508.34	64.93	8.829	
5,600.00	5,215.96	7,855.21	5,551.76	35.21	59.44	-148.81	-1,391.62	1,278.20	537.55	464.56	72.99	7.364	
5,672.76	5,277.04	7,880.16	5,551.66	35.12	59.99	-145.52	-1,391.63	1,253.25	529.68	451.04	78.64	6.736	CC

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: NW Lybrook (138, 139, 140 & 141) - Lybrook 2408 138H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Rule Assigned:

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,700.00	5,298.54	7,890.93	5,551.61	35.09	60.23	-144.04	-1,391.63	1,242.48	530.77	450.24	80.53	6.591	ES
5,800.00	5,370.18	7,936.72	5,551.42	34.98	61.26	-137.19	-1,391.65	1,196.69	552.15	466.16	85.99	6.421	SF
5,900.00	5,428.68	7,991.19	5,551.19	34.94	62.48	-127.99	-1,391.68	1,142.22	595.96	506.65	89.31	6.673	
6,000.00	5,477.99	8,050.37	5,550.94	35.00	63.82	-120.80	-1,391.70	1,083.05	652.32	560.91	91.40	7.137	
6,100.00	5,515.22	8,114.14	5,550.67	35.16	65.27	-108.81	-1,391.73	1,019.27	717.11	624.09	93.03	7.709	
6,200.00	5,535.83	8,182.28	5,550.38	35.44	66.83	-96.92	-1,391.76	951.14	786.79	692.10	94.69	8.309	
6,300.00	5,540.22	8,252.66	5,550.08	35.82	68.45	-89.88	-1,391.79	880.75	857.59	761.04	96.55	8.883	
6,400.00	5,540.86	8,323.34	5,549.79	36.34	70.09	-89.84	-1,391.83	810.08	928.33	829.83	98.50	9.424	
6,500.00	5,541.50	8,394.01	5,549.49	36.98	71.73	-89.80	-1,391.86	739.40	999.07	898.53	100.54	9.937	
6,600.00	5,542.14	8,464.69	5,549.19	37.76	73.39	-89.76	-1,391.89	668.73	1,069.82	967.16	102.66	10.421	
6,700.00	5,542.78	8,535.36	5,548.89	38.66	75.05	-89.74	-1,391.92	598.06	1,140.56	1,035.70	104.86	10.877	
6,800.00	5,543.41	8,606.04	5,548.59	39.67	76.71	-89.71	-1,391.95	527.38	1,211.31	1,104.18	107.13	11.307	
6,900.00	5,544.05	8,676.71	5,548.29	40.79	78.39	-89.69	-1,391.98	456.71	1,282.06	1,172.58	109.47	11.711	
7,000.00	5,544.69	8,747.39	5,547.99	42.00	80.06	-89.67	-1,392.02	386.03	1,352.80	1,240.92	111.88	12.091	
7,100.00	5,545.33	8,818.06	5,547.69	43.31	81.75	-89.65	-1,392.05	315.36	1,423.55	1,309.19	114.36	12.448	
7,200.00	5,545.97	8,888.74	5,547.40	44.69	83.43	-89.63	-1,392.08	244.68	1,494.29	1,377.40	116.89	12.784	
7,300.00	5,546.61	8,959.41	5,547.10	46.15	85.13	-89.61	-1,392.11	174.01	1,565.04	1,445.56	119.48	13.099	
7,400.00	5,547.25	9,030.09	5,546.80	47.67	86.82	-89.60	-1,392.14	103.33	1,635.78	1,513.66	122.12	13.395	
7,500.00	5,547.89	9,100.76	5,546.50	49.25	88.52	-89.59	-1,392.18	32.66	1,706.53	1,581.72	124.81	13.673	
7,600.00	5,548.53	9,171.44	5,546.20	50.89	90.23	-89.58	-1,392.21	-38.01	1,777.27	1,649.73	127.54	13.935	
7,700.00	5,549.17	9,242.11	5,545.90	52.58	91.94	-89.57	-1,392.24	-108.69	1,848.02	1,717.70	130.32	14.181	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 130H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Rule Assigned:

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	69.75	6.95	18.85	20.09				
100.00	100.00	100.00	100.00	0.13	0.13	69.75	6.95	18.85	20.09	19.82	0.27	74.723	
200.00	200.00	200.00	200.00	0.49	0.49	69.75	6.95	18.85	20.09	19.10	0.99	20.379	
300.00	300.00	300.00	300.00	0.85	0.85	69.75	6.95	18.85	20.09	18.39	1.70	11.798	
400.00	400.00	400.00	400.00	1.21	1.21	69.75	6.95	18.85	20.09	17.67	2.42	8.303	
500.00	500.00	500.00	500.00	1.57	1.57	69.75	6.95	18.85	20.09	16.95	3.14	6.405	CC, ES
600.00	600.00	599.15	599.10	1.93	1.91	74.32	5.95	21.22	22.06	18.22	3.84	5.745	
700.00	700.00	697.76	697.41	2.29	2.26	83.97	2.99	28.28	28.55	24.02	4.53	6.299	
800.00	800.00	795.33	794.16	2.64	2.62	92.70	-1.88	39.86	40.33	35.11	5.22	7.729	
900.00	900.00	891.38	888.64	3.00	3.00	98.71	-8.53	55.69	57.47	51.59	5.89	9.764	
1,000.00	1,000.00	985.45	980.24	3.36	3.41	102.57	-16.82	75.42	79.76	73.22	6.54	12.203	
1,100.00	1,099.95	1,077.86	1,069.08	3.71	3.87	-23.23	-26.66	98.83	104.62	97.47	7.15	14.635	
1,200.00	1,199.63	1,169.16	1,155.55	4.04	4.37	-22.34	-38.00	125.82	129.48	121.75	7.73	16.744	
1,300.00	1,298.77	1,259.40	1,239.55	4.39	4.93	-22.16	-50.77	156.21	154.22	145.91	8.31	18.564	
1,400.00	1,397.08	1,348.62	1,320.97	4.77	5.56	-22.37	-64.89	189.82	178.79	169.89	8.90	20.099	
1,500.00	1,494.31	1,436.84	1,399.72	5.17	6.24	-22.83	-80.29	226.47	203.14	193.66	9.49	21.409	
1,600.00	1,590.18	1,524.11	1,475.73	5.62	7.00	-23.44	-96.90	265.97	227.27	217.17	10.10	22.504	
1,700.00	1,684.43	1,610.46	1,548.94	6.13	7.82	-24.15	-114.63	308.18	251.16	240.42	10.74	23.392	
1,800.00	1,776.81	1,700.00	1,622.59	6.70	8.75	-24.99	-134.35	355.12	274.83	263.33	11.50	23.901	
1,900.00	1,867.10	1,780.55	1,686.74	7.35	9.68	-25.82	-153.22	400.02	298.25	286.10	12.14	24.559	
2,000.00	1,956.65	1,867.96	1,754.11	8.05	10.74	-26.80	-174.80	451.35	324.27	311.27	13.01	24.926	
2,100.00	2,046.20	1,964.09	1,827.60	8.79	11.96	-27.68	-198.81	508.49	351.36	337.24	14.12	24.892	
2,200.00	2,135.76	2,060.23	1,901.09	9.55	13.21	-28.43	-222.82	565.63	378.50	363.24	15.26	24.808	
2,300.00	2,225.31	2,156.36	1,974.58	10.33	14.46	-29.08	-246.82	622.76	405.70	389.27	16.43	24.693	
2,400.00	2,314.86	2,252.50	2,048.07	11.13	15.73	-29.65	-270.83	679.90	432.94	415.31	17.63	24.559	
2,500.00	2,404.41	2,348.63	2,121.56	11.94	17.01	-30.16	-294.84	737.03	460.22	441.37	18.85	24.416	
2,600.00	2,493.96	2,444.76	2,195.05	12.76	18.29	-30.60	-318.85	794.17	487.53	467.44	20.09	24.271	
2,700.00	2,583.51	2,540.90	2,268.54	13.59	19.58	-31.00	-342.86	851.30	514.86	493.52	21.34	24.126	
2,800.00	2,673.06	2,637.03	2,342.03	14.42	20.87	-31.36	-366.87	908.44	542.21	519.60	22.61	23.984	
2,900.00	2,762.62	2,733.17	2,415.52	15.26	22.17	-31.69	-390.88	965.57	569.58	545.69	23.89	23.846	
3,000.00	2,852.17	2,829.30	2,489.01	16.11	23.47	-31.98	-414.89	1,022.71	596.96	571.79	25.17	23.714	
3,100.00	2,941.72	2,925.43	2,562.50	16.96	24.77	-32.25	-438.90	1,079.84	624.36	597.89	26.47	23.588	
3,200.00	3,031.27	3,021.57	2,635.99	17.81	26.08	-32.50	-462.91	1,136.98	651.77	624.00	27.77	23.468	
3,300.00	3,120.82	3,117.70	2,709.48	18.67	27.38	-32.73	-486.92	1,194.11	679.19	650.11	29.08	23.354	
3,400.00	3,210.37	3,213.83	2,782.97	19.53	28.69	-32.93	-510.93	1,251.25	706.62	676.22	30.40	23.245	
3,500.00	3,299.92	3,309.97	2,856.46	20.39	30.00	-33.13	-534.94	1,308.39	734.06	702.34	31.72	23.142	
3,600.00	3,389.48	3,406.10	2,929.95	21.25	31.31	-33.31	-558.95	1,365.52	761.50	728.46	33.05	23.044	
3,700.00	3,479.03	3,502.24	3,003.44	22.11	32.62	-33.47	-582.96	1,422.66	788.95	754.58	34.38	22.951	
3,800.00	3,568.58	3,598.37	3,076.93	22.98	33.94	-33.63	-606.97	1,479.79	816.41	780.70	35.71	22.863	
3,900.00	3,658.13	3,694.50	3,150.42	23.85	35.25	-33.78	-630.98	1,536.93	843.87	806.83	37.05	22.779	
4,000.00	3,747.68	3,790.64	3,223.91	24.72	36.57	-33.91	-654.99	1,594.06	871.34	832.95	38.39	22.699	
4,100.00	3,837.23	3,886.77	3,297.40	25.59	37.88	-34.04	-679.00	1,651.20	898.81	859.08	39.73	22.624	
4,200.00	3,926.78	3,982.91	3,370.89	26.46	39.20	-34.16	-703.01	1,708.33	926.28	885.21	41.07	22.552	
4,300.00	4,016.34	4,079.04	3,444.38	27.33	40.51	-34.28	-727.01	1,765.47	953.76	911.34	42.42	22.483	
4,400.00	4,105.89	4,175.17	3,517.87	28.20	41.83	-34.38	-751.02	1,822.60	981.25	937.47	43.77	22.418	
4,500.00	4,195.44	4,271.31	3,591.36	29.07	43.15	-34.48	-775.03	1,879.74	1,008.73	963.61	45.12	22.356	
4,600.00	4,284.99	4,367.44	3,664.85	29.95	44.47	-34.58	-799.04	1,936.87	1,036.22	989.74	46.47	22.297	
4,700.00	4,374.54	4,463.58	3,738.34	30.82	45.79	-34.67	-823.05	1,994.01	1,063.71	1,015.88	47.83	22.240	
4,800.00	4,464.09	4,559.71	3,811.83	31.70	47.10	-34.76	-847.06	2,051.15	1,091.20	1,042.02	49.18	22.186	
4,900.00	4,553.64	4,655.84	3,885.32	32.57	48.42	-34.84	-871.07	2,108.28	1,118.69	1,068.15	50.54	22.134	
5,000.00	4,643.20	4,751.98	3,958.82	33.45	49.74	-34.92	-895.08	2,165.42	1,146.19	1,094.29	51.90	22.084	
5,100.00	4,733.76	4,847.57	4,031.89	34.29	51.06	-34.29	-918.96	2,222.23	1,175.39	1,122.21	53.18	22.101	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 130H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Rule Assigned: Distance Between Ellipses (ft)	Rule Assigned: Minimum Separation (ft)	Separation Factor	Warning
5,200.00	4,829.62	4,938.61	4,101.49	34.88	52.31	-28.82	-941.69	2,276.34	1,215.09	1,161.12	53.96	22.518	
5,300.00	4,928.79	5,022.02	4,165.25	35.21	53.45	25.23	-962.52	2,325.91	1,265.73	1,211.53	54.20	23.354	
5,400.00	5,028.23	7,505.89	5,547.66	35.32	67.26	74.05	-177.49	2,159.11	1,295.48	1,206.56	88.92	14.569	
5,500.00	5,124.93	7,530.83	5,547.83	35.31	67.43	87.74	-159.86	2,141.48	1,254.45	1,162.74	91.71	13.679	
5,600.00	5,215.96	7,572.18	5,548.11	35.21	67.70	92.71	-130.62	2,112.24	1,221.62	1,127.43	94.19	12.969	
5,700.00	5,298.54	7,628.69	5,548.49	35.09	68.09	94.56	-90.66	2,072.28	1,197.08	1,100.75	96.33	12.426	
5,800.00	5,370.18	7,698.65	5,548.97	34.98	68.59	94.76	-41.19	2,022.82	1,180.07	1,081.91	98.15	12.023	
5,900.00	5,428.68	7,779.91	5,549.52	34.94	69.24	94.09	16.27	1,965.36	1,169.25	1,069.49	99.76	11.721	
6,000.00	5,477.99	7,867.18	5,550.11	35.00	69.97	92.41	77.98	1,903.65	1,162.32	1,061.04	101.28	11.476	
6,100.00	5,515.22	7,960.08	5,550.75	35.16	70.81	91.39	143.66	1,837.97	1,158.44	1,055.65	102.79	11.270	
6,200.00	5,535.83	8,057.93	5,551.41	35.44	71.75	90.72	212.86	1,768.77	1,156.81	1,052.47	104.34	11.087	
6,295.28	5,542.14	8,152.99	5,552.06	35.81	72.72	90.49	280.07	1,701.56	1,156.41	1,050.53	105.88	10.922	
6,300.00	5,540.22	8,157.79	5,552.09	35.82	72.77	90.59	283.47	1,698.17	1,156.54	1,050.60	105.94	10.917	
6,400.00	5,540.86	8,257.79	5,552.77	36.34	73.85	90.59	354.18	1,627.46	1,156.54	1,048.83	107.71	10.737	
6,500.00	5,541.50	8,357.79	5,553.45	36.98	74.99	90.59	424.89	1,556.75	1,156.55	1,046.88	109.67	10.546	
6,600.00	5,542.14	8,457.79	5,554.13	37.76	76.19	90.59	495.60	1,486.04	1,156.55	1,044.75	111.80	10.345	
6,700.00	5,542.78	8,557.79	5,554.81	38.66	77.44	90.60	566.30	1,415.33	1,156.55	1,042.45	114.10	10.136	
6,800.00	5,543.41	8,657.79	5,555.49	39.67	78.74	90.60	637.01	1,344.62	1,156.55	1,040.00	116.55	9.923	
6,900.00	5,544.05	8,757.79	5,556.17	40.79	80.09	90.60	707.72	1,273.92	1,156.56	1,037.40	119.15	9.706	
7,000.00	5,544.69	8,857.79	5,556.85	42.00	81.48	90.60	778.43	1,203.21	1,156.56	1,034.67	121.88	9.489	
7,100.00	5,545.33	8,957.79	5,557.53	43.31	82.92	90.60	849.14	1,132.50	1,156.56	1,031.82	124.74	9.272	
7,200.00	5,545.97	9,057.79	5,558.21	44.69	84.40	90.61	919.85	1,061.79	1,156.56	1,028.85	127.71	9.056	
7,300.00	5,546.61	9,157.79	5,558.89	46.15	85.93	90.61	990.56	991.08	1,156.57	1,025.78	130.79	8.843	
7,400.00	5,547.25	9,257.79	5,559.57	47.67	87.48	90.61	1,061.27	920.37	1,156.57	1,022.61	133.96	8.634	
7,500.00	5,547.89	9,357.79	5,560.25	49.25	89.08	90.61	1,131.98	849.67	1,156.57	1,019.35	137.22	8.429	
7,600.00	5,548.53	9,457.79	5,560.93	50.89	90.71	90.61	1,202.69	778.96	1,156.58	1,016.02	140.56	8.228	
7,700.00	5,549.17	9,557.79	5,561.61	52.58	92.37	90.62	1,273.40	708.25	1,156.58	1,012.60	143.98	8.033	
7,800.00	5,549.81	9,657.79	5,562.29	54.31	94.05	90.62	1,344.11	637.54	1,156.58	1,009.12	147.46	7.843	
7,900.00	5,550.45	9,757.79	5,562.97	56.08	95.77	90.62	1,414.82	566.83	1,156.58	1,005.57	151.01	7.659	
8,000.00	5,551.09	9,857.79	5,563.65	57.89	97.51	90.62	1,485.53	496.12	1,156.59	1,001.97	154.62	7.480	
8,100.00	5,551.73	9,957.79	5,564.33	59.74	99.28	90.62	1,556.24	425.41	1,156.59	998.31	158.28	7.307	
8,200.00	5,552.37	10,057.79	5,565.01	61.61	101.07	90.63	1,626.95	354.71	1,156.59	994.60	161.99	7.140	
8,300.00	5,553.01	10,157.79	5,565.69	63.51	102.88	90.63	1,697.66	284.00	1,156.59	990.85	165.75	6.978	
8,400.00	5,553.65	10,257.79	5,566.37	65.44	104.72	90.63	1,768.37	213.29	1,156.60	987.05	169.55	6.822	
8,500.00	5,554.28	10,357.79	5,567.05	67.39	106.57	90.63	1,839.08	142.58	1,156.60	983.21	173.38	6.671	
8,600.00	5,554.92	10,457.79	5,567.73	69.36	108.44	90.63	1,909.79	71.87	1,156.60	979.34	177.26	6.525	
8,700.00	5,555.56	10,557.79	5,568.41	71.35	110.33	90.64	1,980.50	1.16	1,156.60	975.43	181.17	6.384	
8,800.00	5,556.20	10,657.79	5,569.09	73.36	112.23	90.64	2,051.21	-69.54	1,156.61	971.50	185.11	6.248	
8,900.00	5,556.84	10,757.79	5,569.77	75.39	114.15	90.64	2,121.92	-140.25	1,156.61	967.53	189.08	6.117	
9,000.00	5,557.48	10,857.79	5,570.45	77.43	116.09	90.64	2,192.63	-210.96	1,156.61	963.53	193.08	5.990	
9,100.00	5,558.12	10,957.79	5,571.13	79.48	118.04	90.64	2,263.34	-281.67	1,156.61	959.51	197.10	5.868	
9,200.00	5,558.76	11,057.79	5,571.81	81.55	120.00	90.65	2,334.05	-352.38	1,156.62	955.46	201.15	5.750	
9,300.00	5,559.40	11,157.79	5,572.49	83.62	121.97	90.65	2,404.76	-423.09	1,156.62	951.39	205.23	5.636	
9,400.00	5,560.04	11,257.79	5,573.17	85.71	123.96	90.65	2,475.47	-493.79	1,156.62	947.30	209.32	5.526	
9,500.00	5,560.68	11,357.79	5,573.85	87.81	125.96	90.65	2,546.18	-564.50	1,156.63	943.19	213.43	5.419	
9,600.00	5,561.32	11,457.79	5,574.53	89.92	127.97	90.65	2,616.88	-635.21	1,156.63	939.06	217.56	5.316	
9,700.00	5,561.96	11,557.79	5,575.21	92.04	129.98	90.66	2,687.59	-705.92	1,156.63	934.92	221.71	5.217	
9,800.00	5,562.60	11,657.79	5,575.89	94.17	132.01	90.66	2,758.30	-776.63	1,156.63	930.75	225.88	5.121	
9,900.00	5,563.24	11,757.79	5,576.57	96.30	134.05	90.66	2,829.01	-847.34	1,156.64	926.57	230.07	5.027	
10,000.00	5,563.88	11,857.79	5,577.25	98.44	136.10	90.66	2,899.72	-918.05	1,156.64	922.38	234.26	4.937	
10,100.00	5,564.52	11,957.79	5,577.93	100.59	138.15	90.66	2,970.43	-988.75	1,156.64	918.17	238.48	4.850	
10,200.00	5,565.15	12,057.79	5,578.61	102.75	140.21	90.67	3,041.14	-1,059.46	1,156.64	913.94	242.70	4.766	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 130H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.00	5,565.79	12,157.79	5,579.29	104.91	142.28	90.67	3,111.85	-1,130.17	1,156.65	909.71	246.94	4.684	
10,400.00	5,566.43	12,257.79	5,579.96	107.07	144.36	90.67	3,182.56	-1,200.88	1,156.65	905.46	251.19	4.605	
10,500.00	5,567.07	12,357.79	5,580.64	109.25	146.44	90.67	3,253.27	-1,271.59	1,156.65	901.20	255.45	4.528	
10,600.00	5,567.71	12,457.79	5,581.32	111.42	148.53	90.67	3,323.98	-1,342.30	1,156.65	896.93	259.73	4.453	
10,700.00	5,568.35	12,557.79	5,582.00	113.60	150.63	90.68	3,394.69	-1,413.00	1,156.66	892.65	264.01	4.381	
10,800.00	5,568.99	12,657.79	5,582.68	115.79	152.73	90.68	3,465.40	-1,483.71	1,156.66	888.36	268.30	4.311	
10,900.00	5,569.63	12,757.79	5,583.36	117.98	154.84	90.68	3,536.11	-1,554.42	1,156.66	884.06	272.60	4.243	
11,000.00	5,570.27	12,857.79	5,584.04	120.17	156.95	90.68	3,606.82	-1,625.13	1,156.67	879.75	276.92	4.177	
11,100.00	5,570.91	12,957.79	5,584.72	122.37	159.07	90.68	3,677.53	-1,695.84	1,156.67	875.43	281.24	4.113	
11,200.00	5,571.55	13,057.79	5,585.40	124.57	161.19	90.69	3,748.24	-1,766.55	1,156.67	871.11	285.56	4.050	
11,300.00	5,572.19	13,157.79	5,586.08	126.77	163.32	90.69	3,818.95	-1,837.25	1,156.67	866.77	289.90	3.990	
11,400.00	5,572.83	13,257.79	5,586.76	128.98	165.45	90.69	3,889.66	-1,907.96	1,156.68	862.43	294.24	3.931	
11,500.00	5,573.47	13,357.79	5,587.44	131.19	167.59	90.69	3,960.37	-1,978.67	1,156.68	858.08	298.59	3.874	
11,600.00	5,574.11	13,457.79	5,588.12	133.40	169.73	90.69	4,031.08	-2,049.38	1,156.68	853.73	302.95	3.818	
11,700.00	5,574.75	13,557.79	5,588.80	135.62	171.88	90.70	4,101.79	-2,120.09	1,156.68	849.37	307.32	3.764	
11,800.00	5,575.39	13,657.79	5,589.48	137.84	174.03	90.70	4,172.50	-2,190.80	1,156.69	845.00	311.69	3.711	
11,900.00	5,576.02	13,757.79	5,590.16	140.06	176.18	90.70	4,243.21	-2,261.51	1,156.69	840.63	316.06	3.660	
12,000.00	5,576.66	13,857.79	5,590.84	142.28	178.34	90.70	4,313.92	-2,332.21	1,156.69	836.25	320.44	3.610	
12,100.00	5,577.30	13,957.79	5,591.52	144.51	180.50	90.70	4,384.63	-2,402.92	1,156.69	831.86	324.83	3.561	
12,200.00	5,577.94	14,057.79	5,592.20	146.74	182.66	90.71	4,455.34	-2,473.63	1,156.70	827.47	329.23	3.513	
12,300.00	5,578.58	14,157.79	5,592.88	148.97	184.83	90.71	4,526.05	-2,544.34	1,156.70	823.08	333.62	3.467	
12,400.00	5,579.22	14,257.79	5,593.56	151.20	187.00	90.71	4,596.76	-2,615.05	1,156.70	818.68	338.03	3.422	
12,500.00	5,579.86	14,357.79	5,594.24	153.43	189.18	90.71	4,667.46	-2,685.76	1,156.71	814.27	342.43	3.378	
12,600.00	5,580.50	14,457.79	5,594.92	155.67	191.35	90.71	4,738.17	-2,756.46	1,156.71	809.86	346.85	3.335	
12,700.00	5,581.14	14,557.79	5,595.60	157.90	193.53	90.72	4,808.88	-2,827.17	1,156.71	805.45	351.26	3.293	
12,800.00	5,581.78	14,657.79	5,596.28	160.14	195.71	90.72	4,879.59	-2,897.88	1,156.71	801.03	355.68	3.252	
12,900.00	5,582.42	14,757.79	5,596.96	162.38	197.90	90.72	4,950.30	-2,968.59	1,156.72	796.61	360.11	3.212	
13,000.00	5,583.06	14,857.79	5,597.64	164.62	200.09	90.72	5,021.01	-3,039.30	1,156.72	792.18	364.54	3.173	
13,100.00	5,583.70	14,957.79	5,598.32	166.87	202.27	90.72	5,091.72	-3,110.01	1,156.72	787.75	368.97	3.135	
13,200.00	5,584.34	15,057.79	5,599.00	169.11	204.47	90.73	5,162.43	-3,180.71	1,156.72	783.32	373.41	3.098	
13,300.00	5,584.98	15,157.79	5,599.68	171.36	206.66	90.73	5,233.14	-3,251.42	1,156.73	778.88	377.85	3.061	
13,400.00	5,585.62	15,257.79	5,600.36	173.60	208.86	90.73	5,303.85	-3,322.13	1,156.73	774.44	382.29	3.026	
13,500.00	5,586.25	15,357.79	5,601.04	175.85	211.06	90.73	5,374.56	-3,392.84	1,156.73	770.00	386.74	2.991	
13,600.00	5,586.89	15,457.79	5,601.72	178.10	213.26	90.73	5,445.27	-3,463.55	1,156.73	765.55	391.19	2.957	
13,700.00	5,587.53	15,557.79	5,602.40	180.35	215.46	90.74	5,515.98	-3,534.26	1,156.74	761.10	395.64	2.924	
13,800.00	5,588.17	15,657.79	5,603.08	182.60	217.66	90.74	5,586.69	-3,604.97	1,156.74	756.65	400.09	2.891	
13,900.00	5,588.81	15,757.79	5,603.76	184.86	219.87	90.74	5,657.40	-3,675.67	1,156.74	752.19	404.55	2.859	
14,000.00	5,589.45	15,857.79	5,604.44	187.11	222.08	90.74	5,728.11	-3,746.38	1,156.75	747.73	409.01	2.828	
14,100.00	5,590.09	15,957.79	5,605.12	189.37	224.29	90.74	5,798.82	-3,817.09	1,156.75	743.27	413.48	2.798	
14,200.00	5,590.73	16,057.79	5,605.80	191.62	226.50	90.75	5,869.53	-3,887.80	1,156.75	738.81	417.94	2.768	
14,300.00	5,591.37	16,157.79	5,606.48	193.88	228.71	90.75	5,940.24	-3,958.51	1,156.75	734.34	422.41	2.738	
14,400.00	5,592.01	16,257.79	5,607.16	196.14	230.93	90.75	6,010.95	-4,029.22	1,156.76	729.87	426.88	2.710	
14,500.00	5,592.65	16,357.79	5,607.84	198.40	233.14	90.75	6,081.66	-4,099.92	1,156.76	725.40	431.36	2.682	
14,600.00	5,593.29	16,457.79	5,608.52	200.65	235.36	90.75	6,152.37	-4,170.63	1,156.76	720.93	435.83	2.654	
14,700.00	5,593.93	16,557.79	5,609.20	202.91	237.58	90.76	6,223.08	-4,241.34	1,156.76	716.45	440.31	2.627	
14,800.00	5,594.57	16,657.79	5,609.88	205.18	239.80	90.76	6,293.79	-4,312.05	1,156.77	711.98	444.79	2.601	
14,900.00	5,595.21	16,757.79	5,610.56	207.44	242.02	90.76	6,364.50	-4,382.76	1,156.77	707.50	449.27	2.575	
15,000.00	5,595.85	16,857.79	5,611.24	209.70	244.25	90.76	6,435.21	-4,453.47	1,156.77	703.01	453.76	2.549	
15,100.00	5,596.49	16,957.79	5,611.92	211.96	246.47	90.76	6,505.92	-4,524.17	1,156.78	698.53	458.25	2.524	
15,200.00	5,597.12	17,057.79	5,612.60	214.23	248.70	90.77	6,576.63	-4,594.88	1,156.78	694.04	462.73	2.500	
15,300.00	5,597.76	17,157.79	5,613.28	216.49	250.93	90.77	6,647.34	-4,665.59	1,156.78	689.56	467.22	2.476	
15,400.00	5,598.40	17,257.79	5,613.96	218.76	253.16	90.77	6,718.05	-4,736.30	1,156.78	685.07	471.72	2.452	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 130H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Rule Assigned:

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.00	5,599.04	17,357.79	5,614.64	221.02	255.39	90.77	6,788.75	-4,807.01	1,156.79	680.58	476.21	2.429	
15,501.62	5,599.05	17,359.41	5,614.65	221.06	255.42	90.77	6,789.90	-4,808.15	1,156.79	680.50	476.28	2.429	
15,600.00	5,599.68	17,410.95	5,615.00	223.29	256.57	90.77	6,826.34	-4,844.59	1,157.74	678.77	478.97	2.417 SF	
15,700.00	5,600.32	17,410.95	5,615.00	225.55	256.57	90.77	6,826.34	-4,844.59	1,166.07	690.61	475.47	2.452	
15,800.00	5,600.96	17,410.95	5,615.00	227.82	256.57	90.77	6,826.34	-4,844.59	1,182.84	716.20	466.64	2.535	
15,900.00	5,601.60	17,410.95	5,615.00	230.09	256.57	90.77	6,826.34	-4,844.59	1,207.68	754.14	453.54	2.663	
16,000.00	5,602.24	17,410.95	5,615.00	232.36	256.57	90.77	6,826.34	-4,844.59	1,240.10	802.68	437.42	2.835	
16,100.00	5,602.88	17,410.95	5,615.00	234.63	256.57	90.77	6,826.34	-4,844.59	1,279.54	860.03	419.51	3.050	
16,200.00	5,603.52	17,410.95	5,615.00	236.90	256.57	90.77	6,826.34	-4,844.59	1,325.37	924.55	400.82	3.307	
16,300.00	5,604.16	17,410.95	5,615.00	239.17	256.57	90.77	6,826.34	-4,844.59	1,376.95	994.86	382.09	3.604	
16,400.00	5,604.80	17,410.95	5,615.00	241.44	256.57	90.77	6,826.34	-4,844.59	1,433.65	1,069.79	363.86	3.940	
16,500.00	5,605.44	17,410.95	5,615.00	243.71	256.57	90.77	6,826.34	-4,844.59	1,494.90	1,148.46	346.44	4.315	
16,600.00	5,606.08	17,410.95	5,615.00	245.98	256.57	90.77	6,826.34	-4,844.59	1,560.16	1,230.15	330.01	4.728	
16,700.00	5,606.72	17,410.95	5,615.00	248.25	256.57	90.77	6,826.34	-4,844.59	1,628.95	1,314.29	314.66	5.177	
16,744.89	5,607.00	17,410.95	5,615.00	249.27	256.57	90.77	6,826.34	-4,844.59	1,660.86	1,352.74	308.12	5.390	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 136H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-109.26	-6.59	-18.85	19.97				
100.00	100.00	100.00	100.00	0.13	0.13	-109.26	-6.59	-18.85	19.97	19.70	0.27	74.268	
200.00	200.00	200.00	200.00	0.49	0.49	-109.26	-6.59	-18.85	19.97	18.98	0.99	20.255	
300.00	300.00	300.00	300.00	0.85	0.85	-109.26	-6.59	-18.85	19.97	18.26	1.70	11.727	
400.00	400.00	400.00	400.00	1.21	1.21	-109.26	-6.59	-18.85	19.97	17.55	2.42	8.252	
500.00	500.00	500.00	500.00	1.57	1.57	-109.26	-6.59	-18.85	19.97	16.83	3.14	6.366	
600.00	600.00	600.00	600.00	1.93	1.93	-109.26	-6.59	-18.85	19.97	16.11	3.85	5.182	
700.00	700.00	700.00	700.00	2.29	2.29	-109.26	-6.59	-18.85	19.97	15.40	4.57	4.369	
800.00	800.00	800.00	800.00	2.64	2.64	-109.26	-6.59	-18.85	19.97	14.68	5.29	3.776	
900.00	900.00	900.00	900.00	3.00	3.00	-109.26	-6.59	-18.85	19.97	13.96	6.00	3.325	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-109.26	-6.59	-18.85	19.97	13.25	6.72	2.971	CC, ES
1,100.00	1,099.95	1,099.33	1,099.28	3.71	3.70	122.74	-9.08	-19.53	22.85	15.45	7.40	3.088	
1,200.00	1,199.63	1,198.16	1,197.81	4.04	4.03	122.86	-16.50	-21.55	31.49	23.43	8.06	3.909	
1,300.00	1,298.77	1,296.03	1,294.85	4.39	4.36	122.86	-28.68	-24.88	45.82	37.09	8.72	5.252	
1,400.00	1,397.08	1,392.47	1,389.72	4.77	4.71	122.72	-45.35	-29.43	65.72	56.31	9.41	6.984	
1,500.00	1,494.31	1,487.09	1,481.83	5.17	5.08	122.46	-66.18	-35.12	91.05	80.93	10.12	8.994	
1,600.00	1,590.18	1,579.51	1,570.66	5.62	5.47	122.08	-90.75	-41.83	121.65	110.77	10.87	11.187	
1,700.00	1,684.43	1,673.00	1,659.77	6.13	5.91	122.27	-118.03	-49.28	156.32	144.59	11.72	13.334	
1,800.00	1,776.81	1,765.53	1,747.96	6.70	6.36	123.35	-145.04	-56.66	193.73	181.10	12.63	15.336	
1,900.00	1,867.10	1,856.63	1,834.79	7.35	6.82	125.00	-171.64	-63.92	234.04	220.45	13.59	17.217	
2,000.00	1,956.65	1,947.20	1,921.11	8.05	7.30	127.10	-198.08	-71.14	275.57	260.99	14.58	18.906	
2,100.00	2,046.20	2,037.77	2,007.44	8.79	7.78	128.66	-224.52	-78.36	317.32	301.74	15.58	20.365	
2,200.00	2,135.76	2,128.34	2,093.77	9.55	8.28	129.85	-250.96	-85.58	359.22	342.61	16.61	21.628	
2,300.00	2,225.31	2,218.92	2,180.09	10.33	8.78	130.80	-277.40	-92.80	401.22	383.57	17.65	22.727	
2,400.00	2,314.86	2,309.49	2,266.42	11.13	9.28	131.56	-303.84	-100.02	443.30	424.59	18.71	23.689	
2,500.00	2,404.41	2,400.06	2,352.74	11.94	9.80	132.19	-330.28	-107.24	485.43	465.65	19.79	24.534	
2,600.00	2,493.96	2,490.63	2,439.07	12.76	10.32	132.73	-356.72	-114.46	527.61	506.74	20.87	25.281	
2,700.00	2,583.51	2,581.20	2,525.39	13.59	10.84	133.18	-383.16	-121.68	569.81	547.85	21.96	25.946	
2,800.00	2,673.06	2,671.78	2,611.72	14.42	11.36	133.57	-409.60	-128.90	612.04	588.98	23.06	26.539	
2,900.00	2,762.62	2,762.35	2,698.04	15.26	11.89	133.91	-436.04	-136.12	654.29	630.12	24.17	27.072	
3,000.00	2,852.17	2,852.92	2,784.37	16.11	12.42	134.21	-462.48	-143.34	696.56	671.27	25.28	27.552	
3,100.00	2,941.72	2,943.49	2,870.69	16.96	12.96	134.48	-488.92	-150.56	738.84	712.44	26.40	27.987	
3,200.00	3,031.27	3,034.06	2,957.02	17.81	13.49	134.71	-515.36	-157.78	781.13	753.61	27.52	28.382	
3,300.00	3,120.82	3,124.64	3,043.35	18.67	14.03	134.93	-541.80	-165.00	823.43	794.78	28.65	28.742	
3,400.00	3,210.37	3,215.21	3,129.67	19.53	14.57	135.12	-568.24	-172.22	865.74	835.96	29.78	29.072	
3,500.00	3,299.92	3,305.78	3,216.00	20.39	15.11	135.29	-594.68	-179.44	908.06	877.14	30.91	29.374	
3,600.00	3,389.48	3,396.35	3,302.32	21.25	15.65	135.45	-621.12	-186.66	950.38	918.33	32.05	29.653	
3,700.00	3,479.03	3,486.92	3,388.65	22.11	16.19	135.59	-647.56	-193.88	992.71	959.52	33.19	29.910	
3,800.00	3,568.58	3,577.50	3,474.97	22.98	16.74	135.73	-674.00	-201.09	1,035.05	1,000.71	34.33	30.149	
3,900.00	3,658.13	3,668.07	3,561.30	23.85	17.28	135.85	-700.43	-208.31	1,077.38	1,041.91	35.48	30.370	
4,000.00	3,747.68	3,758.64	3,647.62	24.72	17.82	135.96	-726.87	-215.53	1,119.73	1,083.10	36.62	30.576	
4,100.00	3,837.23	3,849.21	3,733.95	25.59	18.37	136.07	-753.31	-222.75	1,162.07	1,124.30	37.77	30.768	
4,200.00	3,926.78	3,939.78	3,820.28	26.46	18.92	136.17	-779.75	-229.97	1,204.42	1,165.50	38.92	30.947	
4,300.00	4,016.34	4,030.36	3,906.60	27.33	19.46	136.26	-806.19	-237.19	1,246.77	1,206.70	40.07	31.115	
4,400.00	4,105.89	4,120.93	3,992.93	28.20	20.01	136.34	-832.63	-244.41	1,289.12	1,247.90	41.22	31.273	
4,500.00	4,195.44	4,211.50	4,079.25	29.07	20.56	136.42	-859.07	-251.63	1,331.48	1,289.10	42.37	31.421	
4,600.00	4,284.99	4,302.07	4,165.58	29.95	21.11	136.50	-885.51	-258.85	1,373.84	1,330.31	43.53	31.561	
4,700.00	4,374.54	4,392.64	4,251.90	30.82	21.66	136.57	-911.95	-266.07	1,416.20	1,371.51	44.69	31.692	
4,800.00	4,464.09	4,507.37	4,362.17	31.70	22.32	136.78	-942.44	-274.40	1,457.83	1,411.75	46.08	31.634	
4,900.00	4,553.64	4,623.83	4,475.84	32.57	22.90	137.27	-966.81	-281.05	1,497.94	1,450.57	47.37	31.623	
5,000.00	4,643.20	4,740.26	4,590.81	33.45	23.41	138.00	-984.44	-285.87	1,536.59	1,488.07	48.52	31.672	
5,100.00	4,733.76	4,856.99	4,706.97	34.29	23.84	142.08	-995.30	-288.83	1,572.41	1,522.91	49.51	31.762	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 136H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Rule Assigned: Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.00	4,829.62	4,978.82	4,828.71	34.88	24.19	152.46	-999.31	-289.93	1,596.83	1,546.54	50.29	31.752	
5,300.00	4,928.79	5,078.89	4,928.79	35.21	24.42	-149.31	-999.32	-289.93	1,608.35	1,557.57	50.79	31.668	
5,400.00	5,028.23	5,100.00	4,949.89	35.32	24.47	-64.80	-999.14	-290.10	1,609.51	1,558.70	50.81	31.676	
5,500.00	5,124.93	5,150.00	4,999.74	35.31	24.57	-55.20	-996.56	-292.68	1,601.92	1,551.02	50.90	31.469	
5,600.00	5,215.96	5,180.16	5,029.59	35.21	24.62	-53.23	-993.53	-295.72	1,586.42	1,535.58	50.84	31.207	
5,700.00	5,298.54	5,200.00	5,049.09	35.09	24.66	-53.60	-990.92	-298.32	1,563.38	1,512.67	50.71	30.827	
5,800.00	5,370.18	5,250.00	5,097.55	34.98	24.72	-55.92	-982.26	-306.99	1,533.13	1,482.27	50.86	30.143	
5,900.00	5,428.68	5,272.02	5,118.51	34.94	24.75	-58.98	-977.51	-311.74	1,496.78	1,445.82	50.97	29.368	
6,000.00	5,477.99	5,300.00	5,144.76	35.00	24.77	-60.85	-970.65	-318.60	1,458.71	1,407.45	51.25	28.460	
6,100.00	5,515.22	5,329.57	5,171.94	35.16	24.79	-65.19	-962.42	-326.82	1,418.39	1,366.64	51.75	27.408	
6,200.00	5,535.83	5,350.00	5,190.35	35.44	24.80	-70.04	-956.17	-333.08	1,375.13	1,322.68	52.46	26.214	
6,300.00	5,540.22	5,378.51	5,215.50	35.82	24.81	-74.15	-946.67	-342.58	1,330.83	1,277.38	53.45	24.899	
6,400.00	5,540.86	5,400.00	5,233.99	36.34	24.81	-75.00	-938.93	-350.32	1,290.61	1,236.08	54.53	23.666	
6,500.00	5,541.50	5,432.33	5,261.01	36.98	24.81	-76.25	-926.38	-362.87	1,255.92	1,200.15	55.76	22.523	
6,600.00	5,542.14	5,466.01	5,288.05	37.76	24.80	-77.51	-912.18	-377.07	1,226.94	1,169.88	57.05	21.505	
6,700.00	5,542.78	5,500.00	5,314.08	38.66	24.79	-78.74	-896.74	-392.51	1,203.70	1,145.32	58.38	20.617	
6,800.00	5,543.41	5,550.00	5,349.93	39.67	24.75	-80.45	-872.11	-417.14	1,185.97	1,126.18	59.79	19.837	
6,900.00	5,544.05	5,606.51	5,386.61	40.79	24.70	-82.21	-841.73	-447.52	1,173.36	1,112.15	61.21	19.170	
7,000.00	5,544.69	5,670.33	5,422.71	42.00	24.63	-83.96	-804.55	-484.70	1,165.15	1,102.49	62.67	18.593	
7,100.00	5,545.33	5,750.00	5,462.63	43.31	24.53	-85.90	-755.80	-533.45	1,160.13	1,095.89	64.24	18.059	
7,200.00	5,545.97	5,833.30	5,498.00	44.69	24.43	-87.62	-702.53	-586.72	1,157.52	1,091.56	65.95	17.551	
7,300.00	5,546.61	5,923.57	5,523.57	46.15	24.31	-88.86	-641.39	-647.87	1,156.62	1,088.74	67.87	17.041	
7,400.00	5,547.25	6,020.02	5,535.54	47.67	24.20	-89.42	-573.80	-715.47	1,156.44	1,086.37	70.06	16.506	
7,419.61	5,547.38	6,039.24	5,535.99	47.98	24.18	-89.44	-560.21	-729.05	1,156.43	1,085.91	70.52	16.398	
7,500.00	5,547.89	6,119.61	5,536.39	49.25	24.10	-89.43	-503.38	-785.88	1,156.43	1,083.85	72.59	15.931	
7,600.00	5,548.53	6,219.61	5,536.87	50.89	24.69	-89.42	-432.67	-856.59	1,156.44	1,081.29	75.15	15.389	
7,700.00	5,549.17	6,319.61	5,537.36	52.58	25.91	-89.41	-361.97	-927.30	1,156.44	1,078.30	78.14	14.799	
7,800.00	5,549.81	6,419.61	5,537.84	54.31	27.32	-89.41	-291.26	-998.02	1,156.44	1,075.19	81.25	14.233	
7,900.00	5,550.45	6,519.61	5,538.33	56.08	28.84	-89.40	-220.55	-1,068.73	1,156.44	1,071.93	84.51	13.684	
8,000.00	5,551.09	6,619.61	5,538.81	57.89	30.45	-89.39	-149.84	-1,139.44	1,156.44	1,068.53	87.91	13.154	
8,100.00	5,551.73	6,719.61	5,539.30	59.74	32.14	-89.38	-79.13	-1,210.15	1,156.45	1,065.01	91.43	12.648	
8,200.00	5,552.37	6,819.61	5,539.78	61.61	33.90	-89.38	-8.42	-1,280.86	1,156.45	1,061.39	95.06	12.166	
8,300.00	5,553.01	6,919.61	5,540.27	63.51	35.72	-89.37	62.29	-1,351.57	1,156.45	1,057.68	98.77	11.708	
8,400.00	5,553.65	7,019.61	5,540.75	65.44	37.58	-89.36	132.99	-1,422.28	1,156.45	1,053.89	102.57	11.275	
8,500.00	5,554.28	7,119.61	5,541.24	67.39	39.49	-89.35	203.70	-1,492.99	1,156.46	1,050.03	106.43	10.866	
8,600.00	5,554.92	7,219.61	5,541.72	69.36	41.44	-89.35	274.41	-1,563.70	1,156.46	1,046.11	110.35	10.480	
8,700.00	5,555.56	7,319.61	5,542.21	71.35	43.42	-89.34	345.12	-1,634.41	1,156.46	1,042.14	114.32	10.116	
8,800.00	5,556.20	7,419.61	5,542.69	73.36	45.43	-89.33	415.83	-1,705.13	1,156.46	1,038.12	118.35	9.772	
8,900.00	5,556.84	7,519.61	5,543.18	75.39	47.46	-89.32	486.54	-1,775.84	1,156.46	1,034.05	122.41	9.447	
9,000.00	5,557.48	7,619.61	5,543.66	77.43	49.52	-89.32	557.25	-1,846.55	1,156.47	1,029.95	126.51	9.141	
9,100.00	5,558.12	7,719.61	5,544.15	79.48	51.59	-89.31	627.95	-1,917.26	1,156.47	1,025.82	130.65	8.852	
9,200.00	5,558.76	7,819.61	5,544.63	81.55	53.68	-89.30	698.66	-1,987.97	1,156.47	1,021.66	134.81	8.578	
9,300.00	5,559.40	7,919.61	5,545.12	83.62	55.79	-89.29	769.37	-2,058.68	1,156.47	1,017.47	139.01	8.319	
9,400.00	5,560.04	8,019.61	5,545.60	85.71	57.91	-89.28	840.08	-2,129.39	1,156.48	1,013.25	143.23	8.075	
9,500.00	5,560.68	8,119.61	5,546.08	87.81	60.04	-89.28	910.79	-2,200.10	1,156.48	1,009.01	147.47	7.842	
9,600.00	5,561.32	8,219.61	5,546.57	89.92	62.19	-89.27	981.50	-2,270.81	1,156.48	1,004.75	151.73	7.622	
9,700.00	5,561.96	8,319.60	5,547.05	92.04	64.34	-89.26	1,052.21	-2,341.52	1,156.48	1,000.48	156.01	7.413	
9,800.00	5,562.60	8,419.60	5,547.54	94.17	66.51	-89.25	1,122.91	-2,412.24	1,156.49	996.18	160.30	7.214	
9,900.00	5,563.24	8,519.60	5,548.02	96.30	68.68	-89.25	1,193.62	-2,482.95	1,156.49	991.87	164.62	7.025	
10,000.00	5,563.88	8,619.60	5,548.51	98.44	70.86	-89.24	1,264.33	-2,553.66	1,156.49	987.55	168.94	6.845	
10,100.00	5,564.52	8,719.60	5,548.99	100.59	73.04	-89.23	1,335.04	-2,624.37	1,156.49	983.21	173.28	6.674	
10,200.00	5,565.15	8,819.60	5,549.48	102.75	75.24	-89.22	1,405.75	-2,695.08	1,156.50	978.86	177.64	6.510	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 136H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.00	5,565.79	8,919.60	5,549.96	104.91	77.43	-89.22	1,476.46	-2,765.79	1,156.50	974.50	182.00	6.354	
10,400.00	5,566.43	9,019.60	5,550.45	107.07	79.64	-89.21	1,547.17	-2,836.50	1,156.50	970.12	186.38	6.205	
10,500.00	5,567.07	9,119.60	5,550.93	109.25	81.85	-89.20	1,617.87	-2,907.21	1,156.50	965.74	190.76	6.063	
10,600.00	5,567.71	9,219.60	5,551.42	111.42	84.06	-89.19	1,688.58	-2,977.92	1,156.51	961.35	195.16	5.926	
10,700.00	5,568.35	9,319.60	5,551.90	113.60	86.28	-89.19	1,759.29	-3,048.63	1,156.51	956.95	199.56	5.795	
10,800.00	5,568.99	9,419.60	5,552.39	115.79	88.50	-89.18	1,830.00	-3,119.35	1,156.51	952.54	203.97	5.670	
10,900.00	5,569.63	9,519.60	5,552.87	117.98	90.72	-89.17	1,900.71	-3,190.06	1,156.51	948.12	208.39	5.550	
11,000.00	5,570.27	9,619.60	5,553.36	120.17	92.95	-89.16	1,971.42	-3,260.77	1,156.52	943.70	212.82	5.434	
11,100.00	5,570.91	9,719.60	5,553.84	122.37	95.18	-89.15	2,042.12	-3,331.48	1,156.52	939.27	217.25	5.323	
11,200.00	5,571.55	9,819.60	5,554.33	124.57	97.42	-89.15	2,112.83	-3,402.19	1,156.52	934.83	221.69	5.217	
11,300.00	5,572.19	9,919.60	5,554.81	126.77	99.65	-89.14	2,183.54	-3,472.90	1,156.52	930.39	226.13	5.114	
11,400.00	5,572.83	10,019.60	5,555.30	128.98	101.89	-89.13	2,254.25	-3,543.61	1,156.53	925.95	230.58	5.016	
11,500.00	5,573.47	10,119.60	5,555.78	131.19	104.13	-89.12	2,324.96	-3,614.32	1,156.53	921.49	235.04	4.921	
11,600.00	5,574.11	10,219.60	5,556.27	133.40	106.38	-89.12	2,395.67	-3,685.03	1,156.53	917.04	239.50	4.829	
11,700.00	5,574.75	10,319.60	5,556.75	135.62	108.62	-89.11	2,466.38	-3,755.74	1,156.54	912.57	243.96	4.741	
11,800.00	5,575.39	10,419.60	5,557.24	137.84	110.87	-89.10	2,537.08	-3,826.46	1,156.54	908.11	248.43	4.655	
11,900.00	5,576.02	10,519.60	5,557.72	140.06	113.12	-89.09	2,607.79	-3,897.17	1,156.54	903.64	252.91	4.573	
12,000.00	5,576.66	10,619.60	5,558.21	142.28	115.37	-89.09	2,678.50	-3,967.88	1,156.54	899.16	257.38	4.493	
12,100.00	5,577.30	10,719.60	5,558.69	144.51	117.63	-89.08	2,749.21	-4,038.59	1,156.55	894.68	261.86	4.417	
12,200.00	5,577.94	10,819.60	5,559.18	146.74	119.88	-89.07	2,819.92	-4,109.30	1,156.55	890.20	266.35	4.342	
12,300.00	5,578.58	10,919.60	5,559.66	148.97	122.14	-89.06	2,890.63	-4,180.01	1,156.55	885.72	270.84	4.270	
12,400.00	5,579.22	11,019.60	5,560.15	151.20	124.39	-89.06	2,961.34	-4,250.72	1,156.56	881.23	275.33	4.201	
12,500.00	5,579.86	11,119.60	5,560.63	153.43	126.65	-89.05	3,032.04	-4,321.43	1,156.56	876.74	279.82	4.133	
12,600.00	5,580.50	11,219.60	5,561.12	155.67	128.91	-89.04	3,102.75	-4,392.14	1,156.56	872.24	284.32	4.068	
12,700.00	5,581.14	11,319.60	5,561.60	157.90	131.17	-89.03	3,173.46	-4,462.85	1,156.57	867.75	288.82	4.004	
12,800.00	5,581.78	11,419.60	5,562.09	160.14	133.44	-89.02	3,244.17	-4,533.57	1,156.57	863.25	293.32	3.943	
12,900.00	5,582.42	11,519.60	5,562.57	162.38	135.70	-89.02	3,314.88	-4,604.28	1,156.57	858.75	297.82	3.883	
13,000.00	5,583.06	11,619.60	5,563.06	164.62	137.97	-89.01	3,385.59	-4,674.99	1,156.57	854.24	302.33	3.826	
13,100.00	5,583.70	11,719.60	5,563.54	166.87	140.23	-89.00	3,456.30	-4,745.70	1,156.58	849.74	306.84	3.769	
13,200.00	5,584.34	11,819.60	5,564.03	169.11	142.50	-88.99	3,527.00	-4,816.41	1,156.58	845.23	311.35	3.715	
13,300.00	5,584.98	11,919.60	5,564.51	171.36	144.76	-88.99	3,597.71	-4,887.12	1,156.58	840.72	315.87	3.662	
13,400.00	5,585.62	12,019.60	5,565.00	173.60	147.03	-88.98	3,668.42	-4,957.83	1,156.59	836.20	320.38	3.610	
13,500.00	5,586.25	12,119.60	5,565.48	175.85	149.30	-88.97	3,739.13	-5,028.54	1,156.59	831.69	324.90	3.560	
13,600.00	5,586.89	12,219.60	5,565.97	178.10	151.57	-88.96	3,809.84	-5,099.25	1,156.59	827.17	329.42	3.511	
13,700.00	5,587.53	12,319.60	5,566.45	180.35	153.84	-88.96	3,880.55	-5,169.96	1,156.60	822.65	333.94	3.463	
13,800.00	5,588.17	12,419.60	5,566.94	182.60	156.11	-88.95	3,951.25	-5,240.68	1,156.60	818.13	338.47	3.417	
13,900.00	5,588.81	12,519.60	5,567.42	184.86	158.38	-88.94	4,021.96	-5,311.39	1,156.60	813.61	342.99	3.372	
14,000.00	5,589.45	12,619.60	5,567.91	187.11	160.66	-88.93	4,092.67	-5,382.10	1,156.61	809.09	347.52	3.328	
14,100.00	5,590.09	12,719.60	5,568.39	189.37	162.93	-88.93	4,163.38	-5,452.81	1,156.61	804.57	352.04	3.285	
14,200.00	5,590.73	12,819.60	5,568.88	191.62	165.20	-88.92	4,234.09	-5,523.52	1,156.61	800.04	356.57	3.244	
14,300.00	5,591.37	12,919.60	5,569.36	193.88	167.48	-88.91	4,304.80	-5,594.23	1,156.62	795.51	361.10	3.203	
14,400.00	5,592.01	13,019.60	5,569.85	196.14	169.75	-88.90	4,375.51	-5,664.94	1,156.62	790.99	365.63	3.163	
14,500.00	5,592.65	13,119.60	5,570.33	198.40	172.03	-88.89	4,446.21	-5,735.65	1,156.62	786.46	370.17	3.125	
14,600.00	5,593.29	13,219.60	5,570.82	200.65	174.30	-88.89	4,516.92	-5,806.36	1,156.63	781.92	374.70	3.087	
14,700.00	5,593.93	13,319.60	5,571.30	202.91	176.58	-88.88	4,587.63	-5,877.07	1,156.63	777.39	379.24	3.050	
14,800.00	5,594.57	13,419.60	5,571.79	205.18	178.86	-88.87	4,658.34	-5,947.79	1,156.63	772.86	383.77	3.014	
14,900.00	5,595.21	13,519.60	5,572.27	207.44	181.13	-88.86	4,729.05	-6,018.50	1,156.64	768.33	388.31	2.979	
15,000.00	5,595.85	13,619.60	5,572.76	209.70	183.41	-88.86	4,799.76	-6,089.21	1,156.64	763.79	392.85	2.944	
15,100.00	5,596.49	13,719.60	5,573.24	211.96	185.69	-88.85	4,870.47	-6,159.92	1,156.64	759.25	397.39	2.911	
15,200.00	5,597.12	13,819.60	5,573.73	214.23	187.97	-88.84	4,941.17	-6,230.63	1,156.65	754.72	401.93	2.878	
15,300.00	5,597.76	13,919.60	5,574.21	216.49	190.25	-88.83	5,011.88	-6,301.34	1,156.65	750.18	406.47	2.846	
15,400.00	5,598.40	14,019.60	5,574.70	218.76	192.53	-88.83	5,082.59	-6,372.05	1,156.66	745.64	411.02	2.814	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 136H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Rule Assigned:

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.00	5,599.04	14,119.60	5,575.18	221.02	194.81	-88.82	5,153.30	-6,442.76	1,156.66	741.10	415.56	2.783	
15,600.00	5,599.68	14,219.60	5,575.67	223.29	197.09	-88.81	5,224.01	-6,513.47	1,156.66	736.56	420.10	2.753	
15,700.00	5,600.32	14,319.60	5,576.15	225.55	199.37	-88.80	5,294.72	-6,584.18	1,156.67	732.02	424.65	2.724	
15,800.00	5,600.96	14,419.60	5,576.64	227.82	201.65	-88.80	5,365.43	-6,654.90	1,156.67	727.47	429.19	2.695	
15,900.00	5,601.60	14,519.60	5,577.12	230.09	203.93	-88.79	5,436.13	-6,725.61	1,156.67	722.93	433.74	2.667	
16,000.00	5,602.24	14,619.60	5,577.61	232.36	206.21	-88.78	5,506.84	-6,796.32	1,156.68	718.39	438.29	2.639	
16,100.00	5,602.88	14,719.60	5,578.09	234.63	208.49	-88.77	5,577.55	-6,867.03	1,156.68	713.84	442.84	2.612	
16,200.00	5,603.52	14,819.60	5,578.58	236.90	210.77	-88.76	5,648.26	-6,937.74	1,156.68	709.30	447.39	2.585	
16,300.00	5,604.16	14,919.60	5,579.06	239.17	213.06	-88.76	5,718.97	-7,008.45	1,156.69	704.75	451.94	2.559	
16,400.00	5,604.80	15,019.60	5,579.55	241.44	215.34	-88.75	5,789.68	-7,079.16	1,156.69	700.21	456.48	2.534	
16,500.00	5,605.44	15,119.60	5,580.03	243.71	217.62	-88.74	5,860.39	-7,149.87	1,156.70	695.66	461.04	2.509	
16,600.00	5,606.08	15,219.60	5,580.52	245.98	219.90	-88.73	5,931.09	-7,220.58	1,156.70	691.11	465.59	2.484	
16,700.00	5,606.72	15,319.60	5,581.00	248.25	222.19	-88.73	6,001.80	-7,291.29	1,156.70	686.57	470.14	2.460	
16,744.89	5,607.00	15,364.49	5,581.22	249.27	223.21	-88.72	6,033.54	-7,323.04	1,156.71	684.52	472.18	2.450 SF	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Ridge Unit (130, 135, 136 & 137) - Ridge Unit No. 137H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-109.76	-13.54	-37.70	40.06				
100.00	100.00	100.00	100.00	0.13	0.13	-109.76	-13.54	-37.70	40.06	39.79	0.27	148.986	
200.00	200.00	200.00	200.00	0.49	0.49	-109.76	-13.54	-37.70	40.06	39.07	0.99	40.633	
300.00	300.00	300.00	300.00	0.85	0.85	-109.76	-13.54	-37.70	40.06	38.35	1.70	23.524	
400.00	400.00	400.00	400.00	1.21	1.21	-109.76	-13.54	-37.70	40.06	37.64	2.42	16.554	
500.00	500.00	500.00	500.00	1.57	1.57	-109.76	-13.54	-37.70	40.06	36.92	3.14	12.770	
600.00	600.00	600.00	600.00	1.93	1.93	-109.76	-13.54	-37.70	40.06	36.20	3.85	10.394	
700.00	700.00	700.00	700.00	2.29	2.29	-109.76	-13.54	-37.70	40.06	35.49	4.57	8.764	
800.00	800.00	800.00	800.00	2.64	2.64	-109.76	-13.54	-37.70	40.06	34.77	5.29	7.576	CC, ES
900.00	900.00	897.87	897.83	3.00	2.98	-110.08	-14.61	-39.96	42.61	36.63	5.98	7.124	SF
1,000.00	1,000.00	995.23	994.89	3.36	3.32	-110.87	-17.81	-46.71	50.25	43.60	6.65	7.553	
1,100.00	1,099.95	1,091.36	1,090.23	3.71	3.66	121.79	-23.03	-57.74	64.26	56.97	7.30	8.808	
1,200.00	1,199.63	1,185.22	1,182.61	4.04	4.02	124.48	-30.11	-72.69	86.01	78.10	7.92	10.866	
1,300.00	1,298.77	1,275.85	1,270.94	4.39	4.39	127.30	-38.78	-91.00	115.57	107.04	8.53	13.555	
1,400.00	1,397.08	1,362.48	1,354.38	4.77	4.78	129.57	-48.74	-112.01	152.77	143.64	9.13	16.730	
1,500.00	1,494.31	1,444.47	1,432.31	5.17	5.19	131.19	-59.64	-135.04	197.28	187.57	9.72	20.306	
1,600.00	1,590.18	1,521.38	1,504.35	5.62	5.61	132.21	-71.17	-159.37	248.63	238.32	10.30	24.128	
1,700.00	1,684.43	1,592.91	1,570.33	6.13	6.04	132.71	-82.99	-184.33	306.27	295.39	10.89	28.136	
1,800.00	1,776.81	1,658.90	1,630.24	6.70	6.48	132.75	-94.83	-209.32	369.67	358.21	11.46	32.247	
1,900.00	1,867.10	1,725.48	1,689.84	7.35	6.94	132.97	-107.53	-236.15	437.96	425.84	12.12	36.126	
2,000.00	1,956.65	1,796.55	1,753.33	8.05	7.47	134.64	-121.20	-265.00	507.62	494.75	12.86	39.461	
2,100.00	2,046.20	1,867.61	1,816.82	8.79	8.01	135.91	-134.86	-293.85	577.44	563.81	13.63	42.378	
2,200.00	2,135.76	1,938.67	1,880.31	9.55	8.56	136.91	-148.53	-322.70	647.38	632.97	14.40	44.942	
2,300.00	2,225.31	2,009.73	1,943.79	10.33	9.12	137.71	-162.19	-351.55	717.40	702.20	15.20	47.201	
2,400.00	2,314.86	2,080.80	2,007.28	11.13	9.69	138.37	-175.86	-380.40	787.48	771.47	16.01	49.197	
2,500.00	2,404.41	2,151.86	2,070.77	11.94	10.27	138.93	-189.52	-409.25	857.61	840.78	16.83	50.968	
2,600.00	2,493.96	2,222.92	2,134.26	12.76	10.85	139.40	-203.18	-438.10	927.77	910.11	17.66	52.548	
2,700.00	2,583.51	2,293.98	2,197.75	13.59	11.44	139.81	-216.85	-466.95	997.96	979.46	18.49	53.962	
2,800.00	2,673.06	2,365.05	2,261.24	14.42	12.04	140.16	-230.51	-495.79	1,068.17	1,048.83	19.34	55.231	
2,900.00	2,762.62	2,436.11	2,324.73	15.26	12.63	140.47	-244.18	-524.64	1,138.40	1,118.20	20.19	56.376	
3,000.00	2,852.17	2,507.17	2,388.22	16.11	13.23	140.74	-257.84	-553.49	1,208.64	1,187.59	21.05	57.412	
3,100.00	2,941.72	2,578.23	2,451.71	16.96	13.83	140.99	-271.51	-582.34	1,278.90	1,256.98	21.92	58.353	
3,200.00	3,031.27	2,649.30	2,515.20	17.81	14.44	141.20	-285.17	-611.19	1,349.16	1,326.38	22.79	59.211	
3,300.00	3,120.82	2,720.36	2,578.68	18.67	15.05	141.40	-298.83	-640.04	1,419.44	1,395.78	23.66	59.996	
3,400.00	3,210.37	2,791.42	2,642.17	19.53	15.65	141.58	-312.50	-668.89	1,489.72	1,465.18	24.54	60.715	
3,500.00	3,299.92	2,862.48	2,705.66	20.39	16.26	141.74	-326.16	-697.74	1,560.01	1,534.59	25.42	61.376	
3,600.00	3,389.48	2,933.55	2,769.15	21.25	16.88	141.89	-339.83	-726.59	1,630.31	1,604.01	26.30	61.985	
3,700.00	3,479.03	3,004.61	2,832.64	22.11	17.49	142.03	-353.49	-755.44	1,700.61	1,673.42	27.19	62.549	
3,800.00	3,568.58	3,075.67	2,896.13	22.98	18.10	142.15	-367.16	-784.29	1,770.91	1,742.84	28.08	63.070	
3,900.00	3,658.13	3,146.73	2,959.62	23.85	18.72	142.27	-380.82	-813.14	1,841.22	1,812.25	28.97	63.555	

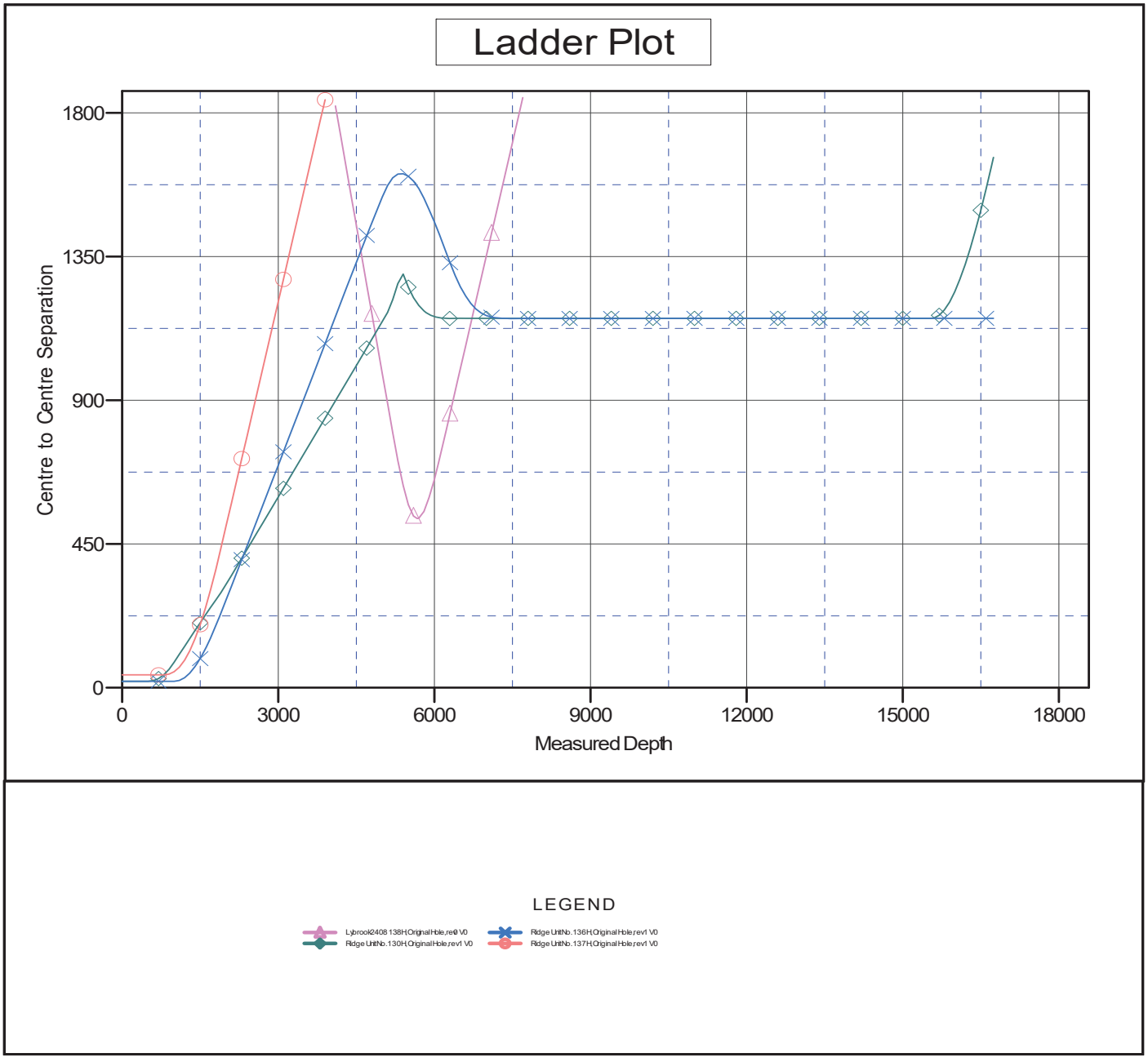
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6832+25 @ 6857.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.833333333

Coordinates are relative to: Ridge Unit No. 135H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.11°



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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Ridge Unit No. 135H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6832+25 @ 6857.00ft
Reference Site:	Ridge Unit (130, 135, 136 & 137)	**MD Reference:**	RKB=6832+25 @ 6857.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Ridge Unit No. 135H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DB_Decv0422v16
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6832+25 @ 6857.00ft
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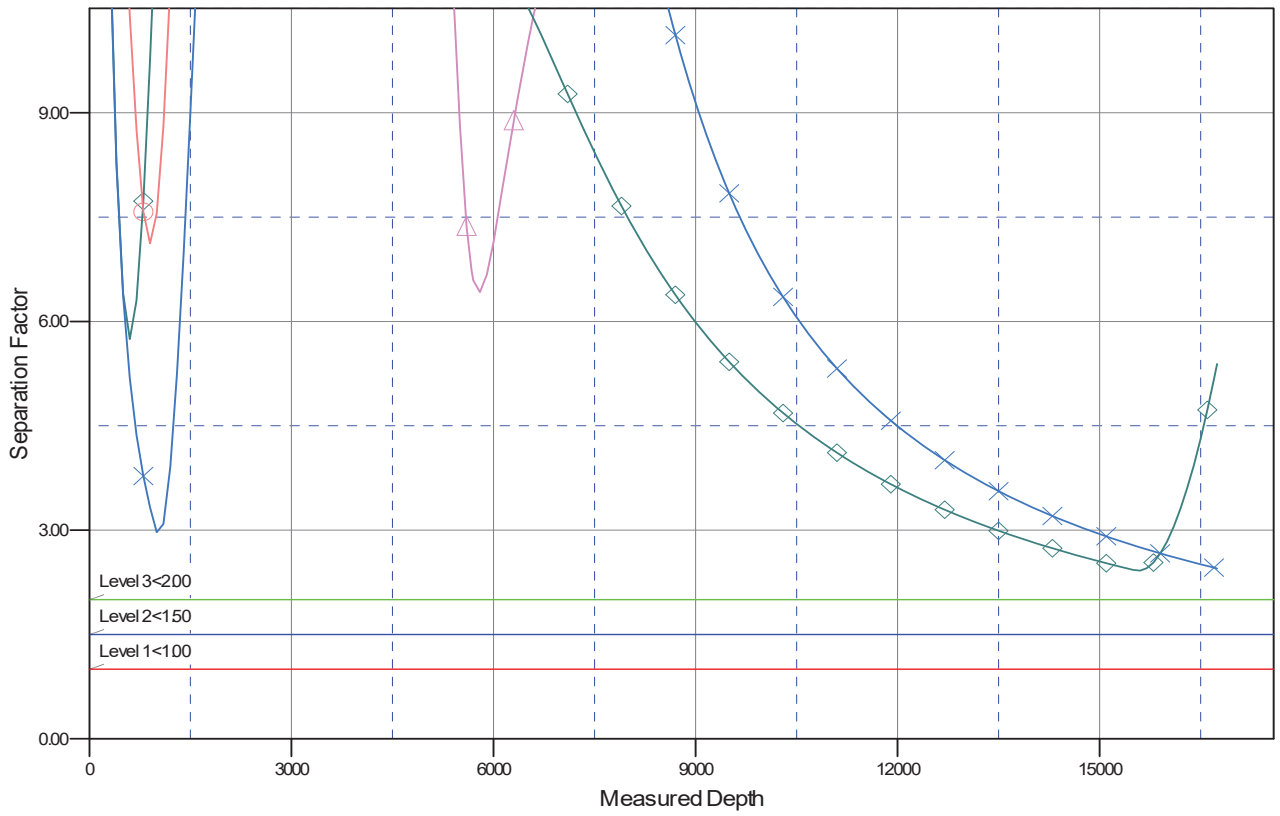
Central Meridian is -107.833333333

Coordinates are relative to: Ridge Unit No. 135H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.11°

Separation Factor Plot



LEGEND

Lybrook2408 138H,Original Hole,rev1 V0
Ridge Unit No. 130H,Original Hole,rev1 V0
Ridge Unit No. 136H,Original Hole,rev1 V0
Ridge Unit No. 137H,Original Hole,rev1 V0

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Blvd, Suite A
Farmington, New Mexico 87402

In Reply Refer To:
3162.3-1(NMF0110)

* ENDURING RESOURCES LLC

#135H RIDGE UNIT

Lease: NMNM138391 Agreement: NMNM140471X
SH: SE¼NW¼ Section 26, T. 24N., R. 8W.
San Juan County, New Mexico
BH: NW¼NW¼ Section 22, T. 24N., R. 8W.
San Juan County, New Mexico
***Above Data Required on Well Sign**

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when **checked**:

A. ☒ Note all surface/drilling conditions of approval attached.

B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated

C. ☒ Test all casing strings below the conductor casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield (burst) for a minimum of 30 minutes. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

D. ☒ Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508.
The effective date of the agreement must be **prior** to any sales.

E. ☐ The use of co-flex hose is authorized contingent upon the following:
1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

I. GENERAL

A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).

G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).

H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).

I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.**

J. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.

K. Unless drilling operations are commenced within three years according to 43 CFR 3171.14, approval of the Application for Permit to Drill will expire. No extensions will be granted.

L. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.

M. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

N. **Commingling**: No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.

1. Provide complete information concerning.

   a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.

   b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.

   c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.

2. Well Completion Report will be submitted with 30 days after well has been completed.

   a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.

3. Submit a cement evaluation log if cement is not circulated to surface.

C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results, 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results, and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days, 20 MMCF following its (completion)(recompletion), or flowback has been routed to the production separator, whichever first occurs, without the prior, written approval of the authorized officer in accordance with 43 CFR 3179.81. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the beginning of flowback following completion or recompletion.

V. SAFETY

A. All rig heating stoves are to be of the explosion-proof type.

B. Rig safety lines are to be installed.

C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.

B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

 Approval Date: 11/22/2024

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

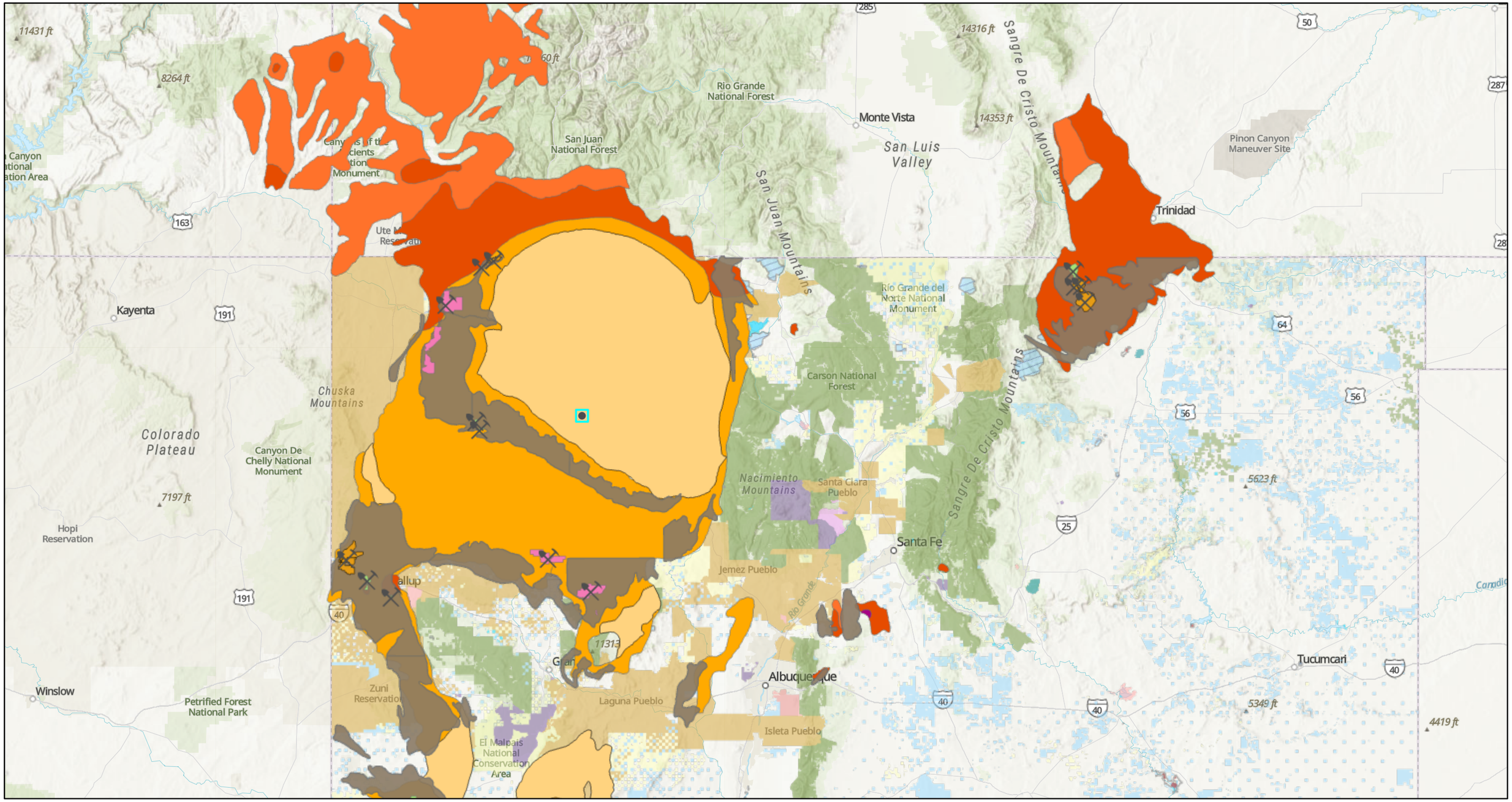
CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 413046
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
sford	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/17/2024
sford	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/17/2024
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	1/13/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/13/2025
ward.rikala	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.	1/13/2025
ward.rikala	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.	1/13/2025

Coal Mines in New Mexico



8/4/2025, 2:30:43 PM

1:2,311,162

0 20 40 80 mi

0 35 70 140 km

US Coal Fields

- Anthracite / potentially minable
- Medium and High Volatile Bituminous / potentially minable
- Medium and High Volatile Bituminous / other uses
- Subbituminous / potentially minable
- Subbituminous / other uses
- NM Coal Districts

Coal Permit Boundaries (2015)

- Active Mining
- Reclamation Only
- Bond Released
- Coal Mines

Land Ownership

- BLM
- BOR
- DOD
- DOE
- FS
- FWS
- I
- NPS
- P
- S
- SGF
- SP

U.S. BLM, NM Coal Mine Reclamation Program, NM EMNRD, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappbuilder/index.html?id=7ebfa3c432db42978d66c99a9cc8311a)

National Flood Hazard Layer FIRMette

FEMA

107°40'3"W 36°17'54"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

107°39'25"W 36°17'25"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/4/2025 at 8:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX C

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Juan County, New Mexico, Eastern Part

South Blanco Federal 22-5

August 9, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (South Blanco Federal 22-5 Tank Battery)

Map Scale: 1:859 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 40 80 160 240

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:63,400.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Juan County, New Mexico, Eastern Part
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 16, 2021—Dec 3, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (South Blanco Federal 22-5 Tank Battery)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BT	Blancot-Notal association, gently sloping	3.1	82.8%
GY	Gypsiorthids-Badland-Stumble complex, moderately steep	0.6	17.2%
Totals for Area of Interest		**3.8**	**100.0%**

Map Unit Descriptions (South Blanco Federal 22-5 Tank Battery)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Juan County, New Mexico, Eastern Part

BT—Blancot-Notal association, gently sloping

Map Unit Setting

National map unit symbol: 1ww6
Elevation: 5,600 to 6,400 feet
Mean annual precipitation: 6 to 10 inches
Mean annual air temperature: 51 to 55 degrees F
Frost-free period: 140 to 160 days
Farmland classification: Not prime farmland

Map Unit Composition

Blancot and similar soils: 55 percent
Notal and similar soils: 25 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Blancot

Setting

Landform: Fan remnants
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Fan alluvium derived from sandstone and shale

Typical profile

A - 0 to 2 inches: loam
Btw - 2 to 15 inches: sandy clay loam
Ck - 15 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 2 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: High (about 9.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: R035XB001NM - Loamy
Hydric soil rating: No

Description of Notal

Setting

Landform: Stream terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stream alluvium derived from sandstone and shale

Typical profile

A - 0 to 3 inches: silty clay loam
BC - 3 to 60 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 10.0
Available water supply, 0 to 60 inches: Low (about 5.4 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: D
Ecological site: R035XB005NM - Salt Flats
Hydric soil rating: No

Minor Components

Stumble

Percent of map unit: 5 percent
Ecological site: R035XB002NM - Sandy
Hydric soil rating: No

Fruitland

Percent of map unit: 5 percent
Ecological site: R035XB001NM - Loamy
Hydric soil rating: No

Turley

Percent of map unit: 5 percent
Ecological site: R035XB004NM - Clayey
Hydric soil rating: No

Uffens

Percent of map unit: 5 percent
Ecological site: R035XB005NM - Salt Flats
Hydric soil rating: No

GY—Gypsiorthids-Badland-Stumble complex, moderately steep

Map Unit Setting

National map unit symbol: 1wwz
Elevation: 4,800 to 6,000 feet
Mean annual precipitation: 6 to 10 inches
Mean annual air temperature: 51 to 55 degrees F
Frost-free period: 140 to 160 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsiorthids and similar soils: 36 percent
Badland: 35 percent
Stumble and similar soils: 15 percent
Minor components: 14 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsiorthids

Setting

Landform: Hills, breaks, ridges
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from gypsum

Typical profile

C1 - 0 to 4 inches: sandy loam
C2 - 4 to 16 inches: sandy loam
C3 - 16 to 20 inches: bedrock

Properties and qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Gypsum, maximum content: 25 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D
Ecological site: R035XB008NM - Sodic Slopes
Hydric soil rating: No

Description of Badland

Setting

Landform: Breaks
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Shale

Typical profile

R - 0 to 2 inches: bedrock
R - 2 to 60 inches: bedrock

Properties and qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 0 to 2 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8e
Hydric soil rating: No

Description of Stumble

Setting

Landform: Dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Eolian deposits derived from sandstone

Typical profile

A - 0 to 8 inches: loamy sand
C - 8 to 60 inches: loamy sand

Properties and qualities

Slope: 5 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R035XB007NM - Deep Sand
Hydric soil rating: No

Minor Components

Farb

Percent of map unit: 10 percent
Ecological site: R035XB006NM - Shallow
Hydric soil rating: No

Penistaja

Percent of map unit: 4 percent
Ecological site: R036XB006NM - Loamy
Hydric soil rating: No

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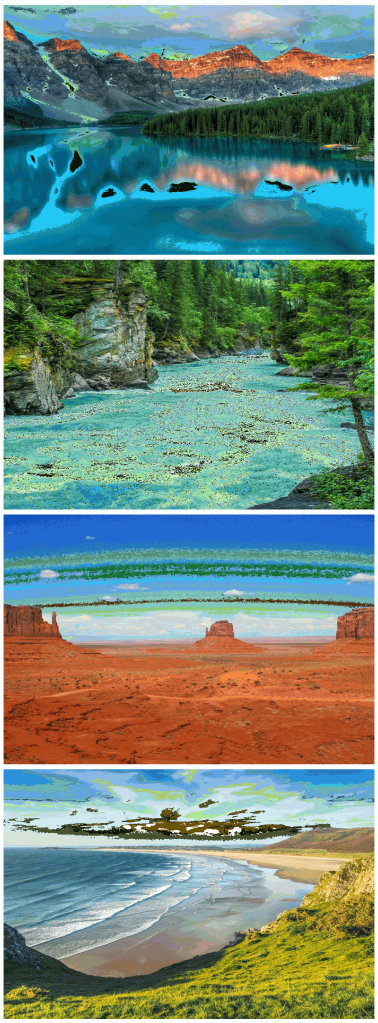
APPENDIX D

Report to:

Brian Skyles



5796 U.S. Hwy 64
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Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	South Blanco 22-5
Work Order:	E512010
Job Number:	18012-0006
Received:	12/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/4/25

Date Reported: 12/4/25

Brian Skyles
7415 Main Street
Farmington, NM 87402

Project Name: South Blanco 22-5
Workorder: E512010
Date Received: 12/2/2025 11:10:00AM

Brian Skyles,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2025 11:10:00AM, under the Project Name: South Blanco 22-5.

The analytical test results summarized in this report with the Project Name: South Blanco 22-5 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Sample Summary

Epic Energy	Project Name:	South Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/04/25 14:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-1	E512010-01A	Soil	12/02/25	12/02/25	Glass Jar, 2 oz.
SC-2	E512010-02A	Soil	12/02/25	12/02/25	Glass Jar, 2 oz.
SC-3	E512010-03A	Soil	12/02/25	12/02/25	Glass Jar, 2 oz.
SC-4	E512010-04A	Soil	12/02/25	12/02/25	Glass Jar, 2 oz.

Sample Data

Epic Energy	Project Name:	South Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

SC-1

E512010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Benzene	ND	0.0250	1	12/02/25	12/03/25	
Ethylbenzene	ND	0.0250	1	12/02/25	12/03/25	
Toluene	ND	0.0250	1	12/02/25	12/03/25	
o-Xylene	ND	0.0250	1	12/02/25	12/03/25	
p,m-Xylene	ND	0.0500	1	12/02/25	12/03/25	
Total Xylenes	ND	0.0250	1	12/02/25	12/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/25	12/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2549048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/03/25	12/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/03/25	12/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*12/03/25*	*12/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2549039
Chloride	**212**	20.0	1	12/02/25	12/02/25	

Sample Data

Epic Energy	Project Name:	South Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

SC-2

E512010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Benzene	ND	0.0250	1	12/02/25	12/03/25	
Ethylbenzene	ND	0.0250	1	12/02/25	12/03/25	
Toluene	ND	0.0250	1	12/02/25	12/03/25	
o-Xylene	ND	0.0250	1	12/02/25	12/03/25	
p,m-Xylene	ND	0.0500	1	12/02/25	12/03/25	
Total Xylenes	ND	0.0250	1	12/02/25	12/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/25	12/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2549048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/03/25	12/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/03/25	12/03/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*12/03/25*	*12/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2549039
Chloride	**360**	20.0	1	12/02/25	12/02/25	

Sample Data

Epic Energy	Project Name:	South Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

SC-3

E512010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Benzene	ND	0.0250	1	12/02/25	12/03/25	
Ethylbenzene	ND	0.0250	1	12/02/25	12/03/25	
Toluene	ND	0.0250	1	12/02/25	12/03/25	
o-Xylene	ND	0.0250	1	12/02/25	12/03/25	
p,m-Xylene	ND	0.0500	1	12/02/25	12/03/25	
Total Xylenes	ND	0.0250	1	12/02/25	12/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/25	12/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2549048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/03/25	12/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/03/25	12/03/25	
Surrogate: n-Nonane		*96.1 %*	*61-141*	*12/03/25*	*12/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2549039
Chloride	**217**	20.0	1	12/02/25	12/02/25	

Sample Data

Epic Energy	Project Name:	South Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

SC-4

E512010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Benzene	ND	0.0250	1	12/02/25	12/03/25	
Ethylbenzene	ND	0.0250	1	12/02/25	12/03/25	
Toluene	ND	0.0250	1	12/02/25	12/03/25	
o-Xylene	ND	0.0250	1	12/02/25	12/03/25	
p,m-Xylene	ND	0.0500	1	12/02/25	12/03/25	
Total Xylenes	ND	0.0250	1	12/02/25	12/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2549041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/25	12/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*12/02/25*	*12/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2549048
Diesel Range Organics (C10-C28)	ND	25.0	1	12/03/25	12/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/03/25	12/03/25	
Surrogate: n-Nonane		*91.0 %*	*61-141*	*12/03/25*	*12/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2549039
Chloride	**508**	20.0	1	12/02/25	12/02/25	

QC Summary Data

Epic Energy	Project Name:	South Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2549041-BLK1)									Prepared: 12/02/25 Analyzed: 12/02/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.74*		*8.00*		*109*	*70-130*			
LCS (2549041-BS1)									Prepared: 12/02/25 Analyzed: 12/02/25
Benzene	3.88	0.0250	5.00		77.5	70-130			
Ethylbenzene	3.73	0.0250	5.00		74.6	70-130			
Toluene	3.86	0.0250	5.00		77.2	70-130			
o-Xylene	3.88	0.0250	5.00		77.5	70-130			
p,m-Xylene	7.68	0.0500	10.0		76.8	70-130			
Total Xylenes	11.6	0.0250	15.0		77.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.72*		*8.00*		*109*	*70-130*			
Matrix Spike (2549041-MS1)				**Source: E512004-04**					Prepared: 12/02/25 Analyzed: 12/02/25
Benzene	4.83	0.0250	5.00	ND	96.7	70-130			
Ethylbenzene	4.69	0.0250	5.00	ND	93.7	70-130			
Toluene	4.83	0.0250	5.00	ND	96.7	70-130			
o-Xylene	4.79	0.0250	5.00	ND	95.9	70-130			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.65*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2549041-MSD1)				**Source: E512004-04**					Prepared: 12/02/25 Analyzed: 12/03/25
Benzene	4.06	0.0250	5.00	ND	81.2	70-130	17.4	27	
Ethylbenzene	4.07	0.0250	5.00	ND	81.5	70-130	14.0	26	
Toluene	4.15	0.0250	5.00	ND	83.1	70-130	15.1	20	
o-Xylene	4.15	0.0250	5.00	ND	82.9	70-130	14.4	25	
p,m-Xylene	8.35	0.0500	10.0	ND	83.5	70-130	13.9	23	
Total Xylenes	12.5	0.0250	15.0	ND	83.3	70-130	14.1	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.17*		*8.00*		*102*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	South Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2549041-BLK1)									Prepared: 12/02/25 Analyzed: 12/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.59*		*8.00*		*107*	*70-130*			
LCS (2549041-BS2)									Prepared: 12/02/25 Analyzed: 12/02/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.48*		*8.00*		*106*	*70-130*			
Matrix Spike (2549041-MS2)				**Source: E512004-04**					Prepared: 12/02/25 Analyzed: 12/03/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.95*		*8.00*		*112*	*70-130*			
Matrix Spike Dup (2549041-MSD2)				**Source: E512004-04**					Prepared: 12/02/25 Analyzed: 12/03/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	4.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.79*		*8.00*		*110*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	South Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2549048-BLK1)									Prepared: 12/03/25 Analyzed: 12/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.4*		*50.0*		*92.8*	*61-141*			
LCS (2549048-BS1)									Prepared: 12/03/25 Analyzed: 12/03/25
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.9*	*61-141*			
Matrix Spike (2549048-MS1)				**Source: E512010-01**					Prepared: 12/03/25 Analyzed: 12/03/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.7*	*61-141*			
Matrix Spike Dup (2549048-MSD1)				**Source: E512010-01**					Prepared: 12/03/25 Analyzed: 12/03/25
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	0.767	20	
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*61-141*			

QC Summary Data

Epic Energy	Project Name:	South Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/4/2025 2:39:32PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2549039-BLK1)									Prepared: 12/02/25 Analyzed: 12/02/25
Chloride	ND	20.0							
LCS (2549039-BS1)									Prepared: 12/02/25 Analyzed: 12/02/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2549039-MS1)				**Source: E512002-01**					Prepared: 12/02/25 Analyzed: 12/03/25
Chloride	389	20.0	250	129	104	80-120			
Matrix Spike Dup (2549039-MSD1)				**Source: E512002-01**					Prepared: 12/02/25 Analyzed: 12/02/25
Chloride	390	20.0	250	129	104	80-120	0.0988	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Epic Energy	Project Name:	South Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/04/25 14:39

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

envirotech Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT	State
Client: Epic Energy	Company: Epic Energy	Lab WO# E512010	Job Number 18012-0006	1D / 2D (X) / 3D / Std	NM (X) / CO / UT / TX
Project Name: South Blanco 22-5	Address:				
Project Manager: Brian Slayles	City, State, Zip:				
Address:	Phone:				
City, State, Zip:	Email:				
Phone:	Miscellaneous: South Blanco 22-5				
Email: bslayles@AmerConsulting.com					

EPA Program: SDWA / CWA / RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
9:06	12.2.25	S	1	SC-1		1									X			4.6	
9:14	|	S	1	SC-2		2									|			5.2	
9:23	|	S	1	SC-3		3									|			5.0	
9:32	|	S	1	SC-4		4									|			5.0	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: [signature]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/2/2025	11:05	Caitlin Mars	12.2.25	11:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 12/2/2025 11:23:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Epic Energy	Date Received:	12/02/25 11:10	Work Order ID:	E512010
Phone:	970-946-1123	Date Logged In:	12/02/25 11:14	Logged In By:	Caitlin Mars
Email:	bskylesenviro@outlook.com	Due Date:	12/04/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Brian Skyles
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

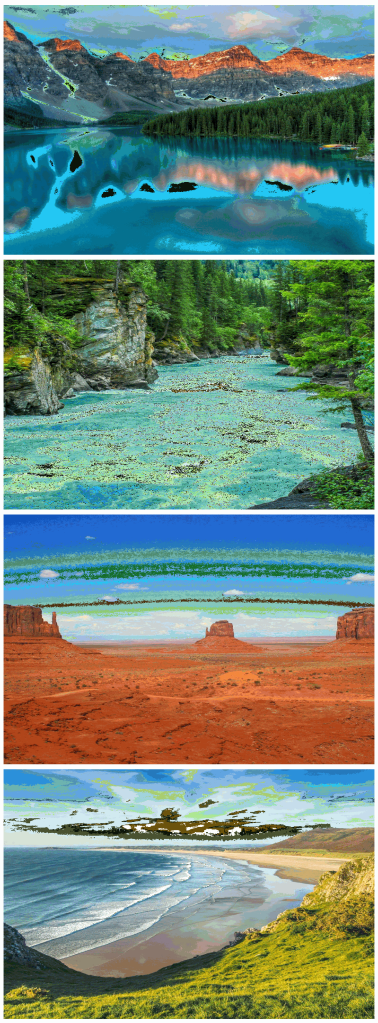
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brian Skyles



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	Federal Blanco 22-5
Work Order:	E512116
Job Number:	18012-0006
Received:	12/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/17/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/17/25

Brian Skyles
7415 Main Street
Farmington, NM 87402

Project Name: Federal Blanco 22-5
Workorder: E512116
Date Received: 12/10/2025 3:23:00PM

Brian Skyles,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/10/2025 3:23:00PM, under the Project Name: Federal Blanco 22-5.

The analytical test results summarized in this report with the Project Name: Federal Blanco 22-5 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Sample Summary

Epic Energy	Project Name:	Federal Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/25 12:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-5	E512116-01A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-6	E512116-02A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-7	E512116-03A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-8	E512116-04A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-9	E512116-05A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-10	E512116-06A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-11	E512116-07A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-12	E512116-08A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-13	E512116-09A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-14	E512116-10A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-15	E512116-11A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.
SC-16	E512116-12A	Soil	12/10/25	12/10/25	Glass Jar, 2 oz.

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

SC-5

E512116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*90.5 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**158**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

SC-6

E512116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*91.5 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**714**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

SC-7

E512116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*92.7 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**207**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*90.9 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**240**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*94.2 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**169**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/12/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/12/25	
Toluene	ND	0.0250	1	12/11/25	12/12/25	
o-Xylene	ND	0.0250	1	12/11/25	12/12/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/12/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*12/11/25*	*12/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*12/11/25*	*12/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*92.2 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**139**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*91.3 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**133**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**317**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	**164**	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	**66.2**	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*93.3 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**170**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*94.7 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**256**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**321**	20.0	1	12/15/25	12/15/25	

Sample Data

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

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E512116-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Benzene	ND	0.0250	1	12/11/25	12/13/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/13/25	
Toluene	ND	0.0250	1	12/11/25	12/13/25	
o-Xylene	ND	0.0250	1	12/11/25	12/13/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/13/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2550083
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*12/11/25*	*12/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2551001
Diesel Range Organics (C10-C28)	**59.2**	25.0	1	12/15/25	12/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/25	12/16/25	
Surrogate: n-Nonane		*93.3 %*	*61-141*	*12/15/25*	*12/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2551008
Chloride	**290**	20.0	1	12/15/25	12/15/25	

QC Summary Data

Epic Energy	Project Name:	Federal Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2550083-BLK1)									Prepared: 12/11/25 Analyzed: 12/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
LCS (2550083-BS1)									Prepared: 12/11/25 Analyzed: 12/12/25
Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.70	0.0250	5.00		94.1	70-130			
o-Xylene	4.62	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2550083-MS1)				**Source: E512116-06**					Prepared: 12/11/25 Analyzed: 12/12/25
Benzene	5.00	0.0250	5.00	ND	100	70-130			
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	70-130			
Toluene	4.99	0.0250	5.00	ND	99.8	70-130			
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike Dup (2550083-MSD1)				**Source: E512116-06**					Prepared: 12/11/25 Analyzed: 12/13/25
Benzene	5.03	0.0250	5.00	ND	101	70-130	0.642	27	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	70-130	0.743	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	0.715	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	70-130	0.345	25	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	70-130	0.632	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	70-130	0.537	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.1*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	Federal Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2550083-BLK1)									Prepared: 12/11/25 Analyzed: 12/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.59*		*8.00*		*107*	*70-130*			
LCS (2550083-BS2)									Prepared: 12/11/25 Analyzed: 12/12/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.62*		*8.00*		*108*	*70-130*			
Matrix Spike (2550083-MS2)				**Source: E512116-06**					Prepared: 12/11/25 Analyzed: 12/13/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.76*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2550083-MSD2)				**Source: E512116-06**					Prepared: 12/11/25 Analyzed: 12/13/25
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	3.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.86*		*8.00*		*111*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	Federal Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2551001-BLK1)									Prepared: 12/15/25 Analyzed: 12/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.0*		*50.0*		*90.0*	*61-141*			
LCS (2551001-BS1)									Prepared: 12/15/25 Analyzed: 12/15/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.1	66-144			
Surrogate: n-Nonane	*45.1*		*50.0*		*90.2*	*61-141*			
Matrix Spike (2551001-MS1)				**Source: E512115-01**					Prepared: 12/15/25 Analyzed: 12/15/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156			
Surrogate: n-Nonane	*45.6*		*50.0*		*91.2*	*61-141*			
Matrix Spike Dup (2551001-MSD1)				**Source: E512115-01**					Prepared: 12/15/25 Analyzed: 12/15/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156	4.48	20	
Surrogate: n-Nonane	*47.4*		*50.0*		*94.9*	*61-141*			

QC Summary Data

Epic Energy	Project Name:	Federal Blanco 22-5	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/2025 12:05:41PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2551008-BLK1)									Prepared: 12/15/25 Analyzed: 12/15/25
Chloride	ND	20.0							
LCS (2551008-BS1)									Prepared: 12/15/25 Analyzed: 12/15/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2551008-MS1)				**Source: E512116-04**					Prepared: 12/15/25 Analyzed: 12/15/25
Chloride	497	20.0	250	240	103	80-120			
Matrix Spike Dup (2551008-MSD1)				**Source: E512116-04**					Prepared: 12/15/25 Analyzed: 12/15/25
Chloride	476	20.0	250	240	94.6	80-120	4.30	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Epic Energy	Project Name:	Federal Blanco 22-5	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Brian Skyles	12/17/25 12:05

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	
Client:	Epic Energy
Project Name:	Federal Blanco 22-5
Project Manager:	Brian Skyles
Address:	
City, State, Zip:	
Phone:	970-~~425~~ 946-1123
Email:	bSkyles@AncellConsulting.com

Invoice Information	
Company:	Epic Energy
Address:	
City, State, Zip:	
Phone:	
Email:	
Miscellaneous:	Federal Blanco 22-5

Lab Use Only	
Lab WO#	Job Number
E512116	18012-0006

TAT			
1D	2D	3D	Std
			X

State				
NM	CO	UT	TX	
X				

EPA Program		
SDWA	CWA	RCRA
Compliance	Y or N	
PWSID #		

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
13:05	12/10/25	S	1	SC-5		1									X			3.6	
13:11	12/10/25	S	1	SC-6		2												3.8	
13:16	12/10/25	S	1	SC-7		3												3.4	
13:20	12/10/25	S	1	SC-8		4												3.8	
13:24	12/10/25	S	1	SC-9		5												3.8	
13:30	12/10/25	S	1	SC-10		6												2.9	
13:37	12/10/25	S	1	SC-11		7												3.2	
13:46	12/10/25	S	1	SC-12		8												3.2	
13:49	12/10/25	S	1	SC-13		9												3.4	
13:52	12/10/25	S	1	SC-14		10												3.0	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/10/25	15:23	Caitlin Mar	12.10.25	15:23

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Spur Energy	Company: Spur Energy	Lab WO# E512116	Job Number 1R012-0006	1D 2D 3D Std: X	NM X CO UT TX
Project Name: Federal Blanco 22-5	Address:			
Project Manager: Brian Silva	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous: Federal Blanco 22-5			
Email:				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
13:55	12/10/25	S	1	SC-15		11									X			3.6	
14:06	12/10/25	S	1	SC-16		12									X			3.4	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/10/25	15:23	Caitlin Mac	12.10.25	15:23

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 12/11/2025 9:18:10AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Epic Energy	Date Received:	12/10/25 15:23	Work Order ID:	E512116
Phone:	970-946-1123	Date Logged In:	12/11/25 09:15	Logged In By:	Caitlin Mars
Email:	bskylesenviro@outlook.com	Due Date:	12/17/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Brian Skyles
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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General Information
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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

QUESTIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2521262223**
Incident Name	**NAPP2521262223 SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY @ FAPP2521256236**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2521256236] South Blanco Federal 22 5 TB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SOUTH BLANCO FEDERAL 22 #5 TANK BATTERY
Date Release Discovered	07/31/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 40 BBL | Recovered: 17 BBL | Lost: 23 BBL.
Produced Water Released (bbls) Details	Cause: Other | Other (Specify) | Produced Water | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Other | Other (Specify) | Condensate | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Cause: Other | Other (Specify) | Natural Gas Vented | Released: 0 MCF | Recovered: 0 MCF | Lost: 0 MCF.
Natural Gas Flared (Mcf) Details	Cause: Other | Other (Specify) | Natural Gas Flared | Released: 0 MCF | Recovered: 0 MCF | Lost: 0 MCF.
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	None

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Shawna Martinez Title: Regulatory Technician Email: shawna@walsheng.net Date: 12/29/2025

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	714
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	230
GRO+DRO	(EPA SW-846 Method 8015M)	164
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		10/28/2025
On what date will (or did) the final sampling or liner inspection occur		12/10/2025
On what date will (or was) the remediation complete(d)		02/27/2026
What is the estimated surface area (in square feet) that will be reclaimed		1720
What is the estimated volume (in cubic yards) that will be reclaimed		929
What is the estimated surface area (in square feet) that will be remediated		1720
What is the estimated volume (in cubic yards) that will be remediated		929
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112336756 ENVIROTECH LANDFARM #2
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Shawna Martinez Title: Regulatory Technician Email: shawna@walsheng.net Date: 12/29/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**532571**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/10/2025**
What was the (estimated) number of samples that were to be gathered	**8**
What was the sampling surface area in square feet	**1800**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 538409
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions:	12/30/2025
scwells	1) Based on the excavation extent of 52 ft by 36 feet the area of the excavation is 1,872 ft2. The perimeter of the excavation is 176 feet; multiply that by a depth of 13 feet and you get 2,288 ft2. An insufficient number of base and sidewall samples have been collected from the excavation at this time. Ensure final confirmation samples consist of five-point composite samples from the side wall and base and individual grab samples from any wet or discolored areas, representing a surface area of no more than 200 ft2.	12/30/2025
scwells	2) One five-point composite sample must be collected from the overburden used for backfill every 20 cubic yards. If the sample results are above the applicable closure criteria, the soil must be taken for disposal. Photographic documentation should be included showing how and where the samples were collected.	12/30/2025
scwells	3) Under the Site Characterization portion of the C-141 application to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark),” was answered, “Greater than 5 (mi.).” Referring to the National Wetlands Inventory Mapper, there is a freshwater pond located between ½-1 mile west.	12/30/2025
scwells	4) Under the Site Characterization portion of the C-141 application to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes,” was answered, “Greater than 5 (mi.).” Referring to the OSE Points of Diversion layer on the OCD Oil and Gas Map, the nearest Livestock Watering well, SJ-02686, is located between 1-5 miles southwest.	12/30/2025
scwells	5) Under the Site Characterization portion of the C-141 application to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A wetland,” was answered, “Greater than 5 (mi.).” Referring to the National Wetlands Inventory Mapper, the nearest wetland is a wetland riverine located 125 feet north of release.	12/30/2025
scwells	6) Under the Site Characterization portion of the C-141 application to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A 100-year floodplain,” was answered, “Greater than 5 (mi.).” According to the USA Flood Hazard Areas map, there is a 100-year floodplain located within ½-1 mile west. The minimum distance to all of the site receptors listed above must be updated to reflect the actual distance within the Site Characterization section of C-141 application during closure report submission to OCD Permitting.	12/30/2025
scwells	Submit remediation closure report to the OCD by 3/30/26.	12/30/2025