

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF RILEY PERMIAN
OPERATING CO., LLC FOR COMPULSORY POOLING,
LEA AND ROOSEVELT COUNTIES, NEW MEXICO**

Case No. 21332

**RILEY PERMIAN OPERATING CO., LLC'S
HEARING EXHIBITS**

Compulsory Pooling Application Checklist

Exhibit A	Self-Affirmed Statement of Ty Edelen
A-1	Application
A-2	Resume
A-3	General Location Map
A-4	Form C-102
A-5	Summary of Tracts and Tract Interests, Recapitulation, Locatable and Unlocatable Pooled Parties
A-6	Well Proposal Letter
A-7	Summary of Contacts with Uncommitted Interests
A-8	Proposed Notice of Hearing
A-9	Hearing Notice Letter and Return Receipts
A-10	Affidavits of Publication
A-11	Authorization for Expenditure
Exhibit B	Self-Affirmed Statement of Daniel Osborne
B-1	Resume
B-2	General Location Map

B-3	Structure Map
B-4	Cross Section
B-5	Well Planning Report

COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: #21332

APPLICANT'S RESPONSE

Date: July 7, 2020

Applicant

Riley Permian Operating Co., LLC

Designated Operator & OGRID (affiliation if applicable)

Riley Permian Operating Co., LLC, OGRID 372290

Applicant's Counsel:

Hinkle Shanor LLP, Dana S. Hardy

Case Title:

APPLICATION OF RILEY PERMIAN OPERATING CO., LLC
FOR COMPULSORY POOLING, LEA AND ROOSEVELT
COUNTIES, NEW MEXICO

Entries of Appearance/Intervenors:

None

Well Family

Torino

Formation/Pool

Formation Name(s) or Vertical Extent:

San Andres Formation

Primary Product (Oil or Gas):

Oil

Pooling this vertical extent:

San Andres Formation

Pool Name and Pool Code:

CLR; San Andres Code: 12450

Well Location Setback Rules:

Standard Oil, 100' setback

Pool Spacing Unit Size:

40 acres

Spacing Unit

Type (Horizontal/Vertical)

Horizontal

Size (Acres)

240 acres

Building Blocks:

40 acres

Orientation:

South to North

Description: TRS/County

W/2 W/2 of Section 4-T9S-R34E, Lea County
W/2 SW/4 of Section 33-T8S-R34E, Roosevelt County

Standard Horizontal Well Spacing Unit (Y/N), If No, describe

Yes

Other Situations

Depth Severance: Y/N. If yes, description

No

Proximity Tracts: If yes, description

No

Proximity Defining Well: if yes, description

No

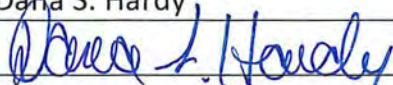
Applicant's Ownership in Each Tract

Exhibit A-5

Well(s)

Name & API (if assigned), surface and bottom hole location,
footages, completion target, orientation, completion status
(standard or non-standard)

Well #1	Torino 4-33 #3H (API # 30-025-47244); SHL: 700' FNL & 880' FWL (Sec. 9); BHL: 2628' FSL & 880' FWL (Sec. 33); stand-up; standard
Well #2	
Horizontal Well First and Last Take Points	FTP: 100' FSL & 878' FWL (Sec. 4); LTP: 2546' FSL & 880' FWL (Sec. 33)
Completion Target (Formation, TVD and MD)	San Andres Formation; TVD: 4,662'; MD: 14,000'
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$7,000, Exhibit A
Production Supervision/Month \$	\$700, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-8
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-9
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-10
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-5
Tract List (including lease numbers and owners)	Exhibit A-5
Pooled Parties (including ownership type)	Exhibit A-5
Unlocatable Parties to be Pooled	Exhibit A-5
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-6
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-5
Chronology of Contact with Non-Joined Working Interests	Exhibit A-7
Overhead Rates In Proposal Letter	Exhibits A, A-5

Cost Estimate to Drill and Complete	Exhibit A-11
Cost Estimate to Equip Well	Exhibit A-11
Cost Estimate for Production Facilities	Exhibit A-11
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibits B-2, B-3
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-5
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	Exhibit B
Forms, Figures and Tables	
C-102	Exhibit A-4
Tracts	Exhibit A-5
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits A-5
General Location Map (including basin)	Exhibits A-3, B-2
Well Bore Location Map	Exhibits B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-3
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	
Date:	7-Jul-20

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
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**APPLICATION OF RILEY PERMIAN
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Case No. 21332

**SELF-AFFIRMED STATEMENT OF
TY EDELEN**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am a landman for Riley Permian Operating Co., LLC ("Riley"). I have had direct involvement with Riley's development of the 240-acre, more or less, standard horizontal spacing unit ("HSU") that is the subject of Riley's application in this case. A copy of the application is attached as Exhibit A-1.

3. I have not previously testified before the Division. A copy of my resume is attached as Exhibit A-2.

A. Proposed Horizontal Spacing Unit

4. The proposed HSU is comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. A map depicting the proposed HSU is attached as Exhibit A-3.

5. Riley seeks to pool all uncommitted interests in the San Andres formation underlying the HSU.

6. The HSU will be dedicated to the Torino 4-33 #3H well, which will be horizontally drilled from a surface location in Unit D in Section 9, Township 9 South, Range 34 East in Lea

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RILEY PERMIAN

Exhibit A

County to a bottom hole location in Unit L in Section 33, Township 8 South, Range 34 East in Roosevelt County.

7. The first take point for the Torino 4-33 #3H well is 100' FSL and 878' FWL of Section 4, and the last take point is 2,546' FSL and 880' FWL of Section 33. The target interval is the San Andres Formation at 4,662' TVD and 14,000' TMD.

8. The proposed well will be completed from South to North, and the completed interval of the well will be orthodox.

9. The proposed well is located in the CLR; San Andres Pool, Code 12450. The primary product in the pool is oil. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15. Spacing in this pool is based on quarter-quarter sections, and the HSU is constructed based on quarter-quarter sections.

10. The C-102 for the proposed well is attached as Exhibit A-4.

B. Ownership Determination

11. A plat of the tracts included in the HSU and the associated ownership interests (including ownership percentages, tract ownership, parties to be pooled, ownership type, any unlocatable owners and a recapitulation) is attached as Exhibit A-5.

12. There is no depth severance in the San Andres formation in the proposed HSU.

13. Riley has the right to pool any overriding royalty owners in the HSU.

C. Joinder

14. Riley sent well proposal letters to the uncommitted interests on May 21, 2020 and subsequently had follow-up communications with them. Riley's well proposal letter is attached as Exhibit A-6. A summary of Riley's contacts with the uncommitted interests is attached as Exhibit A-7.

15. A list of interest owners is included in Exhibit A-5.
16. 68% of the working interests are committed to the proposed well.
17. In my opinion, Riley has made a good faith effort to obtain the voluntary joinder of uncommitted interests in the proposed wells.

D. Notice of Hearing

18. Riley's proposed notice of hearing is attached as Exhibit A-8.
19. At my direction, notice of Riley's application and the Division hearing was provided to the uncommitted interests at least 20 days prior to the hearing date. A sample of the notice letter and the associated certified mail receipts are attached as Exhibit A-9.
20. Notice of Riley's application and the Division hearing was published at least ten business days prior to the hearing date. The affidavits of publication are attached as Exhibit A-10.
21. Riley conducted a diligent, good-faith effort to identify the correct addresses of persons entitled to notice and has complied with the Division's notice requirements.

E. Drilling and Operating Costs

22. The AFEs for the proposed well are attached as Exhibit A-11. The estimated cost of the well is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Lea and Roosevelt Counties.
23. Riley requests overhead and administrative rates of \$7,000 per month while the well is being drilled and \$700 per month while the well is producing. These rates are fair and are comparable to the rates charged by Riley and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the HSU. Riley further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.
24. Riley requests that it be designated the operator of the well.

25. Riley also requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.

26. The attached exhibits attached were either prepared by me or under my supervision, or were compiled from company business records.

27. In my opinion, the granting of Riley's application would serve the interests of conservation, the prevention of waste, and the protection of correlative rights.

28. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 27 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

/s/ Ty Edelen
Ty Edelen

July 7, 2020
Date

**STATE OF NEW MEXICO
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**APPLICATION OF RILEY PERMIAN
OPERATING CO., LLC FOR COMPULSORY POOLING,
LEA AND ROOSEVELT COUNTIES, NEW MEXICO**

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APPLICATION

Pursuant to NMSA § 70-2-17, Riley Permian Operating Co., LLC ("Riley") applies for an order pooling all uncommitted mineral interests in the San Andres formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. In support of its application, Riley states the following.

1. Riley (OGRID No. 372290) is a working interest owner in the proposed horizontal spacing unit and has the right to drill a well thereon.
2. The horizontal spacing unit will be dedicated to the Torino 4-33 #3H well, which will be horizontally drilled from a surface location in Unit D in Section 9, Township 9 South, Range 34 East in Lea County to a bottom hole location in Unit L in Section 33, Township 8 South, Range 34 East in Roosevelt County.
3. The completed interval for the well will be orthodox.
4. Riley has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well but has been unable to obtain voluntary agreements from all of the mineral interest owners.
5. The pooling of all uncommitted mineral interests in the San Andres formation underlying the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the

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RILEY PERMIAN

Exhibit A-1

W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

6. In order to allow Riley to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the horizontal spacing unit should be pooled.

WHEREFORE, Riley requests that this application be set for hearing on July 9, 2020 and that, after notice and hearing, the Division enter an order:

A. Pooling all uncommitted mineral interests in the San Andres formation underlying the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County;

B. Designating Riley as the operator of the Torino 4-33 #3H well;

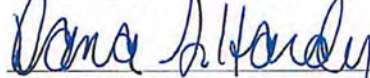
C. Authorizing Riley to recover its costs of drilling, equipping, and completing the Torino 4-33 #3H well and allocating the costs among the well's working interest owners;

D. Approving the actual operating charges and costs of supervision during drilling and after completion, together with a provision for adjusting the rates pursuant to the COPAS accounting procedure; and

E. Imposing a 200% penalty for the risk assumed by Riley in drilling and completing the Torino 4-33 #3H well against any mineral interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HINKLE SHANOR LLP



Dana S. Hardy

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

Counsel for Riley Permian Operating Co., LLC

Ty C. Edelen

1333 High Ridge Dr. • Blanchard, OK 73010
acecole3@gmail.com • Cell: (405) 513-2512

PETROLEUM LANDMAN

Motivated team player, who eagerly accepts new challenges, is adaptable and flexible in new situations, effectively meets deadlines, and is committed to a professional standard of performance. Eager to utilize competitive nature, communicative skills and business experience for a team that welcomes ideas, initiative and integrity.

STRENGTHS

- | | | |
|--------------------------------|--|----------------------------|
| ▪ Leadership/Teamwork | ▪ Negotiating/Communication | ▪ Leasing/Title/HBP |
| ▪ Microsoft Office proficiency | ▪ Management of personnel and project completion | ▪ Field Landman Experience |
| ▪ Easements/Rights of Way | ▪ Contracts/Agreements | ▪ Permitting/Encroachments |

PROFILE**PROVEN METHODOLOGY:**

- Effectively utilized interpersonal skills, organizational skills, and industry knowledge to meet land department deadlines associated with leasehold acquisitions, multi-rig schedules, multi-million dollar right of way acquisition and surface use/damage settlement projects
- Proficient at developing and implementing project plans based on budgets, market trends and company or client demands
- Utilized industry expertise to effectively convey proposals through presentations, negotiate deals and complete projects
- Ensured company and/or client representation and satisfaction was given highest attention and priority
- Team player who also works well independently, encompassing energy, honesty, integrity, organization and a dedication to quality work

ACHIEVEMENTS:

- Baseball Scholarships received from Seward County Community College, University of Texas-Arlington, Southern Nazarene University
- All-Conference Selection 1997-98; 99-2000

EXPERIENCE**Sr. Landman
Landman**

Riley Exploration – Permian, LLC
Riley Exploration Group, Inc.

01/2017-Present
06-2015-12/2016

Permian

- Coordinate daily tasks associated with the continued development of Permian assets within guidelines of a quarterly budget
- Direct lease negotiations between the property owner and broker/field agent in order to gain increased position in asset
- Coordinate the title efforts between broker and attorney in order to provide timely Title Opinions prior to spud and production
- Prepare agreements and contracts that satisfy requirements relating to right of way, drilling, completion, facility and operations
- Negotiate Joint Operating Agreements and acreage trades with other leasehold and working interest owners
- Assist other land personnel in their efforts to ensure proper maintenance of lease obligations, requirements and additional agreement data utilizing land software systems
- Work together with management and team members in other disciplines to plan operational infrastructure and acquire acreage for facilities, pipelines and electrical lines to accommodate producing leasehold
- Work with Geology and Engineering personnel to develop single and multi-rig schedules based on combined information related to land obligations, subsurface science data and operational infrastructure
- Negotiate Gas Purchase Agreements and work closely with Permian midstream companies to ensure efficient use of acquired property and synergies exist between companies and property owners
- Direct survey companies in their efforts to obtain proper plats/maps/sketches of well locations, pipeline/electric line routes, facility infrastructure
- Gather and prepare pertinent data and obtain the necessary permits relating to the operations involving governmental/environmental agencies and railroad/utility companies

Mid-Continent

- Managed title due diligence tasks for A&D department including current leasehold/working interest reports, maps & power point presentations
- Implemented and maintained workover schedule for numerous wells in ~20k acre Mid-Continent Asset
- Communicated with other operator and non-operator partners concerning new well proposals, trade agreements, workovers and P&A proposals through completion of each project
- Helped lead and complete due diligence efforts required for divestiture of Mid-Continent asset

Landman

HighMount E&P, Oklahoma City, OK

12/12-11/14

Right of Way Acquisition & Surface Use Coordinator

- Responsible for coordinating the Mid-Continent acquisition of over 70 miles of multi-line pipeline easements and facility locations at an average of <\$25k per mile prior to production phase of well; 55 miles of electrical easements averaging <\$7.5k per mile; 90 single and/or multi well locations all being prior to scheduled spud dates
- Ensure all surface use and right of way objectives are met for capital projects while assisting and supervising field agents, field landmen, survey companies and field associates.
- Prepare agreements and contracts that satisfy requirements relating to right of way, drilling, completion, facility and operations
- Locate and gather data from printed and visual (e.g., photographs, maps, surveys) sources in order to obtain information used to determine surface locations, pipeline routes, etc.
- Direct survey companies in their efforts to obtain proper plats/maps/sketches of well locations, pipeline/electric line routes, facility areas
- Direct leasing efforts and negotiations between the property owner and broker/field agent in order to facilitate the project's completion
- Negotiate agreements with oil and gas companies, government agencies, railroads, utilities, counties, cities and municipalities in order to insure that adjustments of proposed lease agreements, construction/maintenance projects are reasonable, adequate, and in compliance with company objectives and associated standards and policies
- Gather pertinent data and obtain permits relating to the operations involving government/environmental/railroad/utility companies
- Create databases and document all phases of the right of way acquisition and surface use in order to indicate the status of the acquisitions, property management, title and closing by recording all conveyance and title instruments, writing various narrative reports, and filing data and materials gathered into parcel and project files.

Founder/Volunteer

The Googlehopper Foundation

10/08-Current

Working directly with the President of the Googlehopper Foundation to coordinate special fundraising events that allow us to stay dedicated to helping childhood cancer patients and their families to endure and overcome the daily physical, emotional and financial effects this disease has on a child and his/her family.

Landman	Ace Cole, Inc., Blanchard, OK	07/07-Current
Project Manager: Right of Way Acquisition & Surface Damage Settlements		07/09-11/12
<ul style="list-style-type: none"> Responsible for managing over a thousand miles of pipeline and electrical right of way acquisitions and numerous acres of surface projects for multiple clients in the E&P, Midstream and Electrical industries situated over areas across the Permian and Mid-Continent regions Examine surface title, locate and gather data from printed and visual (e.g., photographs, maps, surveys) sources in order to obtain information used in estimating the market value or in the acquisition of the title of the property. Work closely with Survey Company to inform of proposed pipeline/electric line routes, well locations and potential obstructions or deviations from original plan; Monitor progress and efficiency of Survey Company to produce detailed survey plats Serve as a liaison between the property owner and Client Company in order to facilitate the project's completion Prepare and/or revise contracts in order to purchase property rights in conformance with the project's plans Create databases and document all phases of the right of way acquisition in order to indicate the status of the acquisitions, property management, title and closing by recording all conveyance and title instruments, writing various narrative reports, and filing data and materials gathered into parcel and project files. Gather pertinent data relating to railroads/utilities companies affecting potential lands involved in project Negotiate agreements with railroads, utilities, counties, cities and municipalities in order to insure that adjustments resulting from proposed highway construction/maintenance projects are reasonable, adequate, and in compliance with associated standards and policies 		

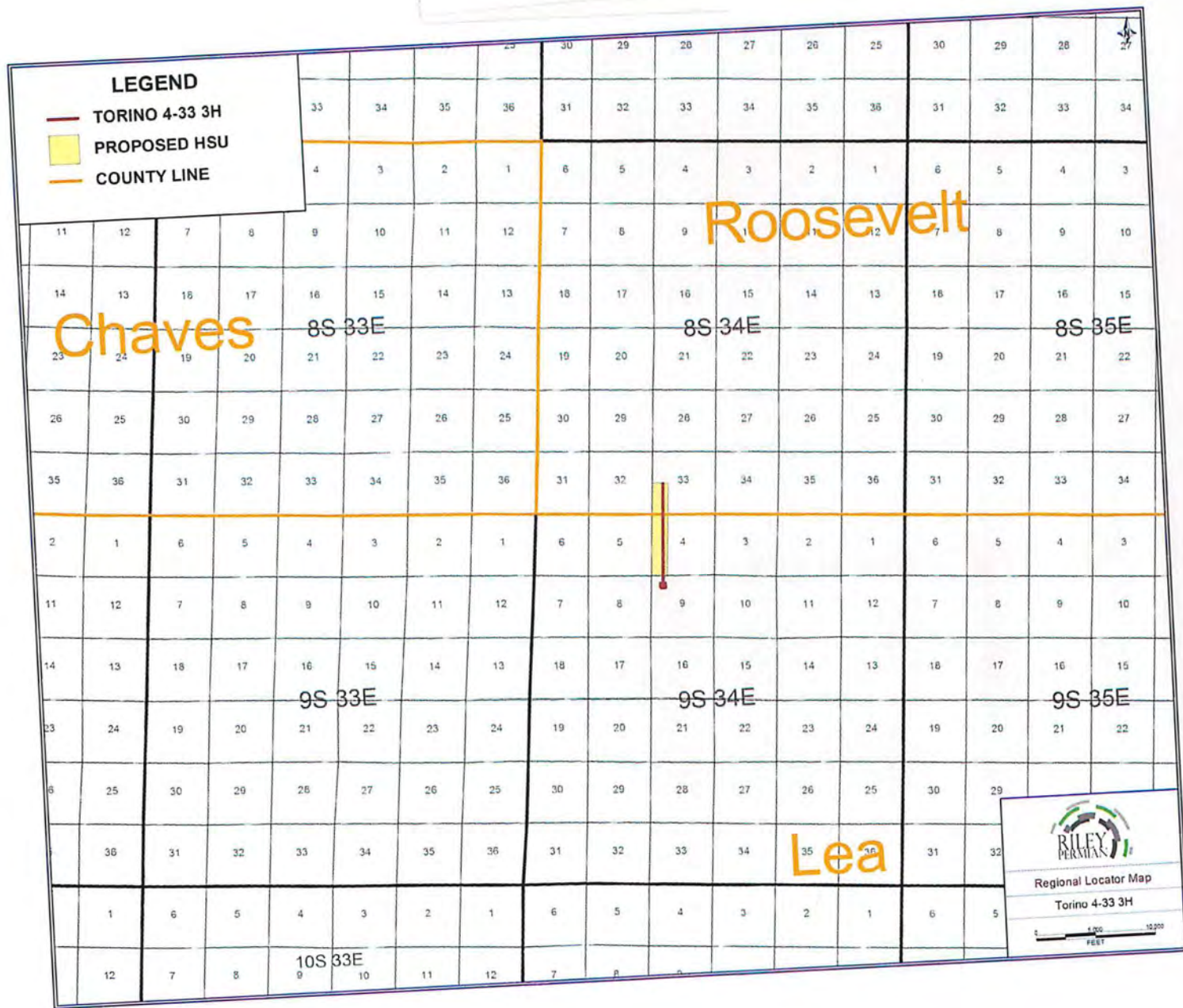
Manager - Mineral Title & Lease Acquisition:	07/07-07/09
<ul style="list-style-type: none"> Manage work flow of client's land projects from the beginning cursory title efforts through leasing, drilling and production phases of well. Management of the client company land budgets associated with the work provided by field landmen, leasing agents and lease bonus payments from Lease/Right of Way/Mineral acquisitions and amendments. Extensive title experience including curative in Oklahoma, Texas and Kansas involving research of the official public records in a County Clerk's office and Federal lands to compile a "chain of title" and examination of surface and/or mineral rights. Efficient and accurate in the completion of due diligence projects needed for company A&D projects and ownership reports involving sections that are held by production. Extensive experience in lease acquisition with a strong ability to negotiate details of lease contracts and mineral purchases or settle damages with land owners. Preparing numerous wells for drilling while adhering to Texas Railroad Commission and Oklahoma Corporation Commission policies and standards. Ordering and updating Division Orders and DOTO's Review and analyze various contracts such as OGL's, JOA's, well proposals and pooling elections as well as various addendums and clauses associated with each contract. Testified before the Oklahoma Corporation Commission for unit spacings, poolings, well location exceptions, emergency applications and protested hearings. 	

Sales Representative/Consultant	John Deere Golf and Turf, Ft. Worth, TX	03/05-07/07
Service a territory of existing and potential customers in the golf course turf care industry by selling products and building professional, trustworthy relationships with customers; Examine arbor and turf grass areas on golf courses affected by disease pressure, insect damage and other environmental issues; Make recommendations for cultural or chemical treatment of affected areas based on experience, scientific knowledge and research.		

2nd Assistant Superintendent	The Greens Golf & Racquet Club, Oklahoma City, OK	04/03-02/05
Involved in approval meetings of annual golf course maintenance budget. Responsible for implementation of maintenance plan through supervision of a crew of laborers and participation in working together to maintain golf course grounds through cultural procedures, pesticide and fertilizer applications and proper irrigation techniques. Coordinated and participated in aesthetic improvement projects.		

MEMBERSHIPS/CERTIFICATION/EDUCATION

RPL Certification		September 2014
Member AAPL, OCAPL, IRWA		
BS Degree: Marketing/Finance	Southern Nazarene University, Oklahoma City, OK	December 2000
AS Degree: Turf Management	Oklahoma State University, Oklahoma City, OK	December 2005



Case No. 21332
RILEY PERMIAN
Exhibit A-3

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

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

Case No. 21332

RILEY PERMIAN
Exhibit A-4

FORM C-102
August 1, 2011
Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name TORINO 4-33	⁶ Well Number 3H
⁷ GRID No.	⁸ Operator Name RILEY PERMIAN OPERATING CO, LLC	⁹ Elevation 4285'

¹⁰Surface Location

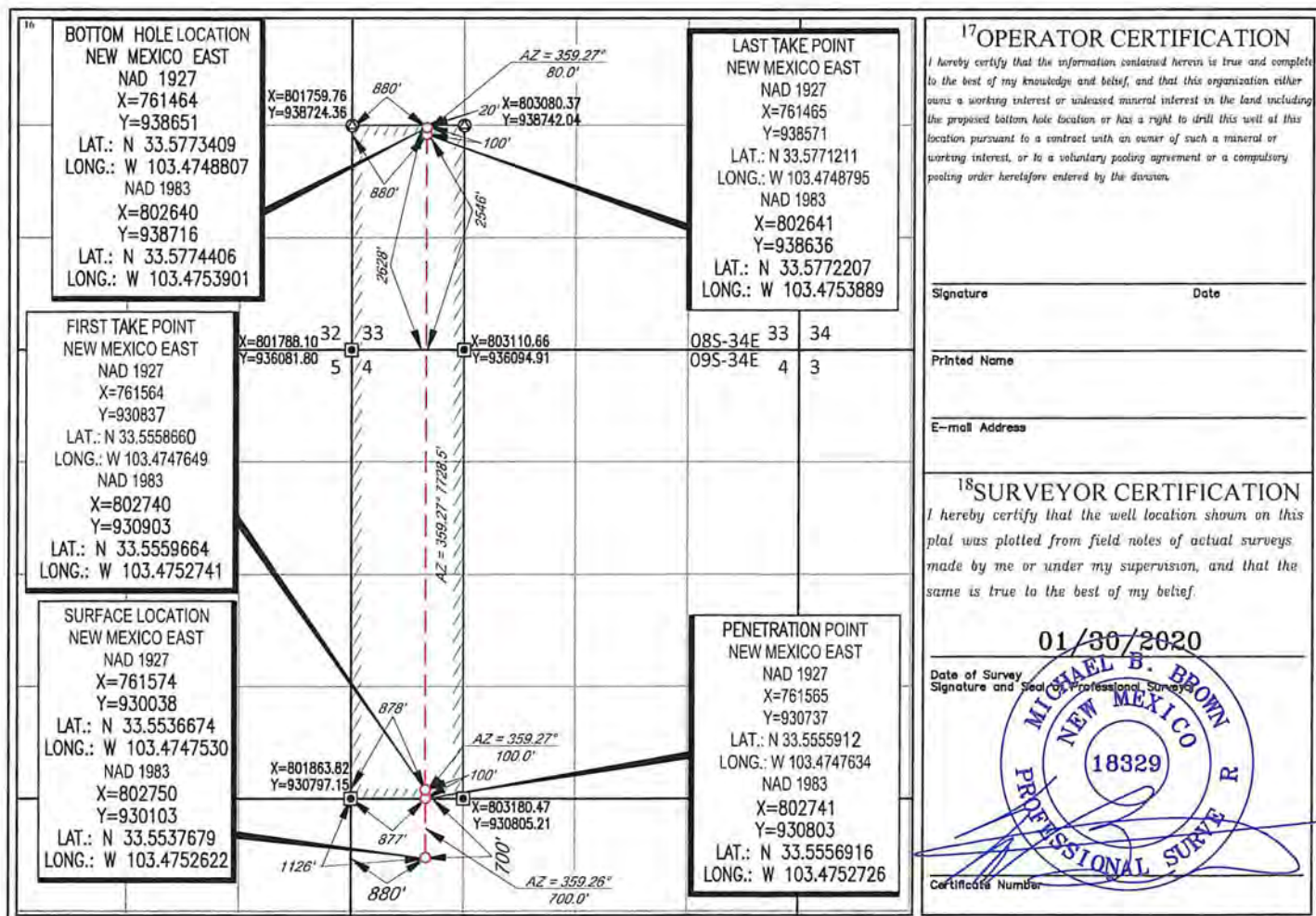
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	9-S	34-E	-	700'	NORTH	880'	WEST	LEA

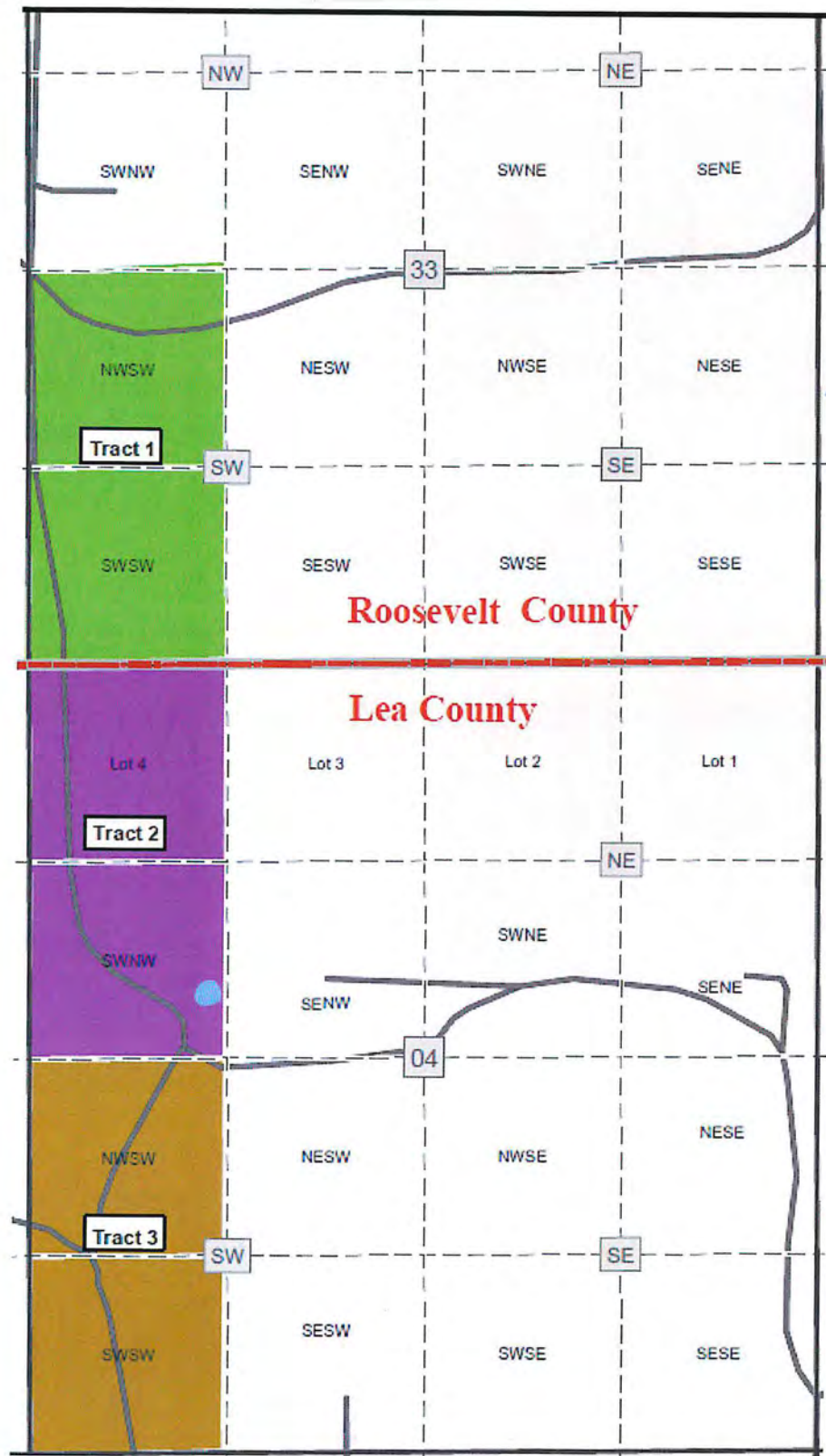
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	33	8-S	34-E	-	2628'	SOUTH	880'	WEST	ROOSEVELT

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.





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RILEY PERMIAN

Exhibit A-5

Tract 1**(W/2 SW/4 Sec. 33, T8S-34E, being 80.065 Acres)**

<u>Owners</u>	<u>Type</u>	<u>Ownership</u>	<u>Status</u>
LFN Cone Properties, LLC	Mineral Interest	2.5000%	Leased
Richard Alan Miller, as his sole and separate property	Mineral Interest	4.1667%	Leased
Brad E. Miller, as his sole and separate property	Mineral Interest	4.1667%	Leased
Jon Chris Miller, as his sole and separate property	Mineral Interest	4.1667%	Leased
Linda Ann Miller, a single woman	Mineral Interest	12.5000%	Leased
Pamela O. Stoker	Mineral Interest	12.5000%	Leased
Susan Stanton	Mineral Interest	12.5000%	Leased
Jim Elyce Wade, Trustee of the Family Trust created by the Charles and Jim Elyce Wade Revocable Trust Agreement dated July 20, 2008	Mineral Interest	12.5000%	Leased
Charles L. Smith, as his sole and separate property	Mineral Interest	6.2500%	Leased
Stephen W. Smith, as his sole and separate property	Mineral Interest	6.2500%	Leased
Cathie Cone McCown	Mineral Interest	2.5000%	Pool
Kenneth G. Cone	Mineral Interest	2.5000%	Pool
Metcalf Oil LP	Mineral Interest	0.0250%	Pool
BDT Oil & Gas, LP	Mineral Interest	0.0500%	Pool
Grassland Energy, LP	Mineral Interest	0.0250%	Pool
Finley Production Co., LP	Mineral Interest	1.5667%	Pool
Tom R. Cone	Mineral Interest	2.5000%	Pool
Auvenshine Children's Trust	Mineral Interest	2.5000%	Pool
Billy Glenn Spradlin	Mineral Interest	0.4125%	Commit
The Long Trusts	Mineral Interest	9.5875%	Pool
Randy Lee Cone	Mineral Interest	<u>0.8333%</u> 100%	Pool
Riley Exploration-Permian, LLC	Working Interest	69.7500%	

Tract 2**(Lot 4, SW/4 NW/4 Sec. 4, T9S-34E, being 80.065 Acres)**

<u>Owner</u>	<u>Type</u>	<u>Ownership</u>	<u>Status</u>
Charlene E. Allmon, a single woman	Mineral Interest	2.7778%	Leased
Wesley Alan Dunn, as his sole and separate property	Mineral Interest	0.9259%	Leased
Ronald Clark Dunn, as his sole and separate property	Mineral Interest	0.9259%	Leased
Mark Henry Denton, as his sole and separate property	Mineral Interest	0.9259%	Leased
Robert Dale Tinker, as his sole and separate property	Mineral Interest	0.6945%	Leased
Kenneth Terrell Tinker, as his sole and separate property	Mineral Interest	0.6944%	Leased
Randy George Tinker, as his sole and separate property	Mineral Interest	0.6944%	Leased
Terry Tinker, as his sole and separate property	Mineral Interest	0.3472%	Leased
Lora Lee Tyson, as her sole and separate property	Mineral Interest	0.3472%	Leased
Judy Van Gilder	Mineral Interest	3.6458%	Leased
Robert Dale Evans	Mineral Interest	6.2500%	Leased
Anita Rose Evans	Mineral Interest	2.0834%	Leased
Loretta Mildred Wilson, as her sole and separate property	Mineral Interest	1.5625%	Leased

Theresa Hill, as her sole and separate property	Mineral Interest	1.5625%	Leased
Dixie Eileen Mathews	Mineral Interest	1.5625%	Leased
Chisos, Ltd.	Mineral Interest	6.2500%	Leased
Black Shale Minerals, LLC	Mineral Interest	6.2500%	Leased
Elliott Industries	Mineral Interest	12.5000%	Leased
Elliott-Hall Company Limited Partnership	Mineral Interest	12.5000%	Leased
Redmark, LLC	Mineral Interest	2.6786%	Leased
Apache Corporation	Mineral Interest	12.5000%	Commit
Susan Nordan (widow of Royce Nordan)	Mineral Interest	0.8929%	Pool
Donald Marshall Markham and wife, La Donna Rieger Markham, Trustees of the Donald Marshall Markham Family Trust created by instrument dated the 12th day of April 1995	Mineral Interest	1.7858%	Leased
Clarence Richard Markham and wife Joyce Stanley Markham, Trustees of the Clarence Richard Markham Family Trust created by trust instrument dated the 12th day of April, 1995	Mineral Interest	1.7857%	Leased
Albert David White, Jr., as his sole and separate property	Mineral Interest	3.5714%	Leased
Hasson Properties, LLC	Mineral Interest	1.7857%	Leased
Chaco Properties, LLC	Mineral Interest	1.7857%	Leased
James Russell Proctor, as his sole and separate property	Mineral Interest	1.7857%	Leased
William R. Proctor, as his sole and separate property	Mineral Interest	1.7857%	Leased
Bill J. Markham and Rosemarie Markham, Co-Trustees of the Bill J. Markham Estate Trust dated May 21, 1986	Mineral Interest	<u>7.1429%</u> 100%	Leased
Riley Exploration-Permian, LLC	Working Interest	84.6596%	

Tract 3

(W/2 SW/4 of Sec. 4, T9S-R34E, being 80.065 Acres)

<u>Owner</u>	<u>Type</u>	<u>Ownership</u>	<u>Status</u>
Jerry Wayne Lemmon	Mineral Interest	18.7500%	Leased
Veda Mae Rives	Mineral Interest	31.2500%	Leased
Meda Rae Rives	Mineral Interest	31.2500%	Leased
Sidney Robert Lemmon	Mineral Interest	4.6875%	Leased
John W. Lemmon	Mineral Interest	4.6875%	Leased
George W. Lemmon	Mineral Interest	4.6875%	Leased
Beverly G. Daniel	Mineral Interest	1.5625%	Leased
EMT, LLC	Mineral Interest	1.5625%	Leased
Heirs or devisees of Ella B. Lemmon, a single woman, Deceased	Mineral Interest	<u>1.5625%</u> 100%	Leased
Riley Exploration-Permian, LLC	Working Interest	90.3125%	



P.O. Box 82285, Lafayette, LA 70598
1700 Kaliste Saloom Road, Building 5, Lafayette, LA 70508
Main (337)706-8650 Fax (337)706-8655

May 21, 2020

**Via: Certified Mail
Return Receipt Requested**

Apache Corporation
303 Veterans Airpark Lane
Suite 1000
Midland, TX 79705

Re: **Torino 4-33 3H Well**
W/2 W/2 of Section 4, Township 9S, Range 34E, Lea County, New Mexico and
W/2 SW/4 of Section 33, Township 8S, Range 34E, Roosevelt County, New Mexico

Dear Interest Owner:

Please be advised that on March 23, 2020 Riley Exploration - Permian, LLC ("Riley") proposed the drilling of a horizontal well to the San Andres formation in the W/2 of Section 4, Township 9 South, Range 34 East, Lea County, New Mexico and SW/4 of Section 33, Township 8 South, Range 34 East, Roosevelt County, New Mexico ("the Well"). Contained within that proposal was a plat depicting the proposed location of the Well and the Unit, being a 480-acre unit. It is the intent, through this letter, that Riley revise said proposal so as to amend the lands covered by said unit and attach a corrected plat reflecting those lands.

Therefore, Riley does hereby propose the subject horizontal well to be drilled to the San Andres formation in the W/2 W/2 of Section 4, Township 9 South, Range 34 East, Lea County, New Mexico and W/2 SW/4 of Section 33, Township 8 South, Range 34 East, Roosevelt County, New Mexico ("the Well"). Attached for your review is a revised plat depicting the proposed location of the Well and the Unit, as well as an Authorization for Expenditure ("AFE") showing a projected cost summary for the Well.

Based on a title examination, we understand that you may own an interest that may be affected by the Well and the Unit; therefore, Riley Exploration - Permian, LLC, hereby requests your participation in the drilling of the Well and the Unit by offering the following options for your consideration:

- **Agree to Participate.** You agree to participate in the cost and risk of the well by agreeing to pay your proportionate share of the actual cost to drill, complete, and operate the well. You agree to execute and return the enclosed AFE. You agree to execute and return an Operating Agreement (A.A.P.L. 610 - 1989 Model Form), which we will prepare and submit for your review and acceptance. The Operating Agreement will include, among other terms and conditions, the following: (1) A 200% / 500% non-consent penalty; (2) a prepayment provision (advanced billing) which provides that all actual costs must be pre-paid within twenty (20) days of the receipt of such request to pay (unless a drilling rig is on location) or said owners shall be subject to the Operator's right and remedies under the Operating Agreement and applicable law; (3) and a 2005 COPAS Accounting Procedure providing for a monthly fixed overhead rate per well equal to **\$7,000.00** for a drilling well and **\$700.00** for a producing well. The estimated cost to drill, test, complete and equip the Well is approximately **\$4,604,300.00**. The Well's total estimated dry hole cost is

Case No. 21332

RILEY PERMIAN

Exhibit A-6

approximately **\$1,263,300.00**. Please note that these costs are estimates only and should you agree to participate in the well, you shall be responsible and agree to pay for your proportionate share of all of the actual costs incurred.

- **Agree to Lease.** If you elect not to participate in the drilling of said well, Riley Exploration - Permian, LLC request to lease your mineral interest in the proposed well unit on the following terms: **\$250/nma, 3-Year Primary Term, 18.75% Royalty**. Upon your selection of this option, we will prepare a lease for your review and acceptance.
- **Choose to Not Participate or Lease.** Riley Exploration - Permian, LLC plans to pursue compulsory pooling for the Unit with the New Mexico Oil Conservation Division ("OCD"). Riley Exploration - Permian, LLC will request the OCD compulsory pooling of all non-consenting owners in the Unit with alternate risk charges as provided by the applicable statutes of the State of New Mexico. This will apply to those who have chosen to not participate or who have not responded to this letter.

On the attached election page, please indicate your election of either to participate or not to participate in the drilling of this well and return one (1) copy of this letter to the undersigned at the letterhead address using the enclosed self-addressed, stamped envelope.

Please acknowledge your election by signing and indicating your chosen option on the attached election page and returning one original of this letter to the attention of the undersigned at the letterhead address in the enclosed self-addressed and stamped envelope. Since time is of the essence in preparation to drill the Well, if you have not promptly responded in writing, Riley Exploration - Permian, LLC will consider you a non-consenting owner who does not agree to participate, to farmout or lease and will proceed with compulsory pooling of your interest.

Should you have any questions regarding this matter, please do not hesitate to contact the undersigned at (405) 315-2738 or via email at dgagliardi@penterraservices.com.

Sincerely,
PENTERRA SERVICES, LLC



Drew Gagliardi, RPL
As Agent for Riley Exploration – Permian, LLC

Enclosures

ELECTION

PLEASE SELECT ONE OPTION.

_____ I agree to PARTICIPATE in the Well under the terms and conditions stated in the foregoing letter under the option entitled "**Agree to Participate**". (Enclosed is an approved copy of my AFE relating to the Well). I hereby contractually agree to pay my pro-rata share of the actual cost to drill the Well.

_____ I agree to LEASE my unleased mineral interest in the Unit under the terms and conditions stated in the foregoing letter under the option entitled "**Agree to Lease**".

_____ I choose to NOT PARTICIPATE OR LEASE my unleased mineral interest in the Unit under the terms and conditions stated in the foregoing letter, and I acknowledge that Riley Exploration - Permian, LLC may pursue compulsory pooling of my interest.

Acceptance of any of the above options constitutes a binding contract between the parties hereto for valid and sufficient consideration.

Executed this ____ day of _____, 2020.

(Signature)

(Printed Name)

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name TORINO 4-33	
⁷ OGRID No.	⁸ Operator Name RILEY PERMIAN OPERATING CO, LLC	⁶ Well Number 3H
		⁹ Elevation 4285'

¹⁰Surface Location

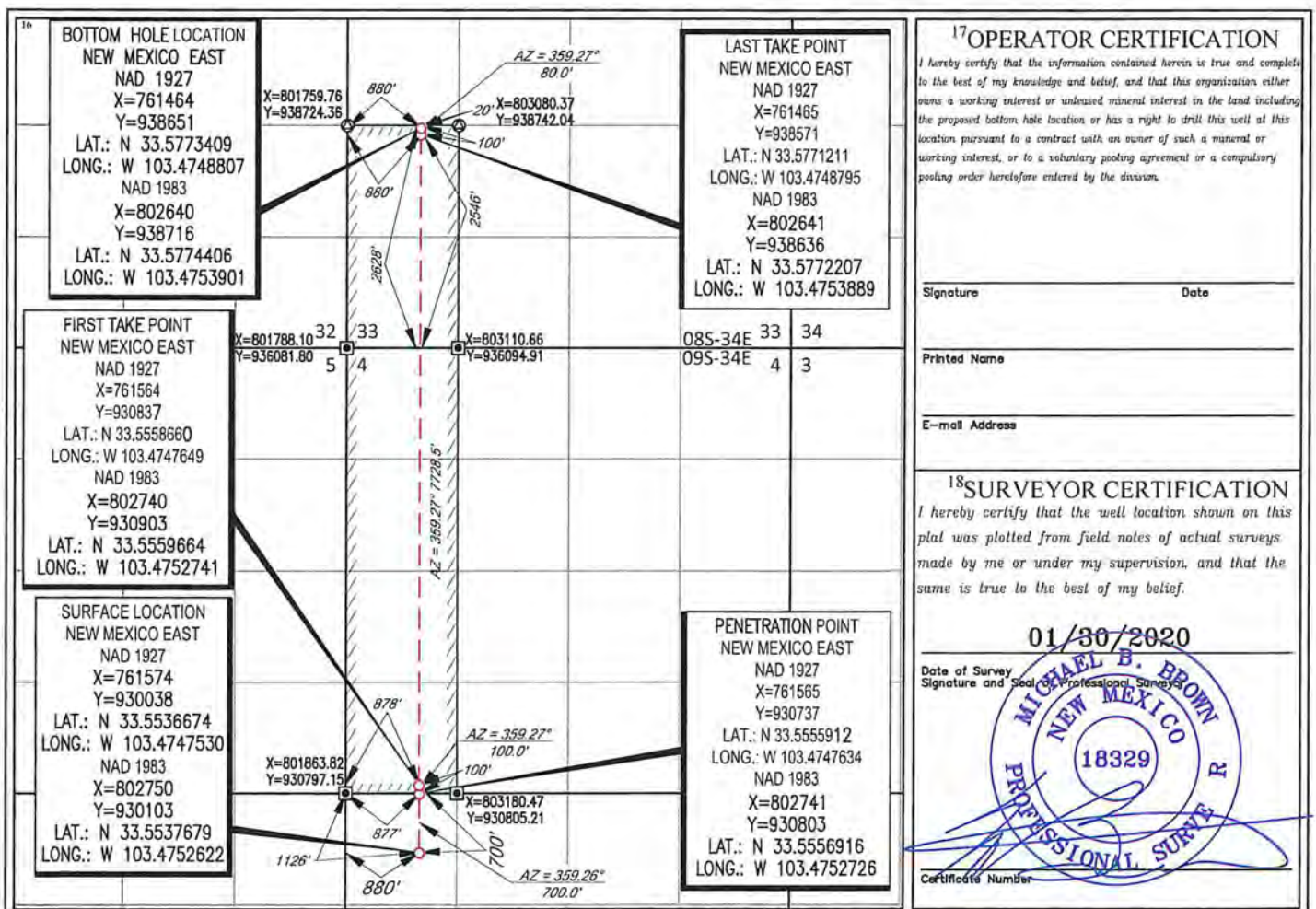
UL or lot no. D	Section 9	Township 9-S	Range 34-E	Lot Idn -	Feet from the 700'	North/South line NORTH	Feet from the 880'	East/West line WEST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. L	Section 33	Township 8-S	Range 34-E	Lot Idn -	Feet from the 2628'	North/South line SOUTH	Feet from the 880'	East/West line WEST	County ROOSEVELT
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¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.





AUTHORITY FOR EXPENDITURE

OPERATOR

Riley Permian Operating Company

WELL NAME & NUMBER

Torino 4-33 3H

COUNTY

Lea

STATE

NM

LOCATION

9-9S-34E

AFE NO.

20DC0006

DATE

1/31/2020

PROPOSED MD

14,000

FIELD PROSPECT

Milnesand West

COMPL LATERAL

8,600

PROPOSED FORMATION

San Andres

PROPOSED TVD

5,163

CLASSIFICATION

Development

INTANGIBLES						DRILLING		COMPLETION		TOTAL
						ACCOUNT	AMOUNT	ACCOUNT	AMOUNT	
Permits & Surveys						850.010	\$ 8,000			\$ 8,000
Drilling Title Opinion						850.020	\$ 50,000			\$ 50,000
Location & Roads			Loc. Road, Pit Reclamation			850.030	\$ 80,000	855.030	\$ 10,000	\$ 90,000
Insurance & Bonds						850.040	\$ 4,000	855.040	\$ -	\$ 4,000
Rig Mobilization						850.050	\$ 150,000			\$ 150,000
Dayrate Drilling	14 days @ \$15500/day					850.060	\$ 217,800	855.060	\$ 31,000	\$ 248,800
Bits						850.090	\$ 27,000			\$ 27,000
Directional Services						850.095	\$ 125,000			\$ 125,000
Mud & Chemicals						850.100	\$ 55,000			\$ 55,000
Solids Control Services						850.105	\$ 60,000			\$ 60,000
Fuel & Power	1500 gal/day @ \$2.50/gal		Coil Tubing/Snubbing			850.110	\$ 52,500	855.110	\$ 200,000	\$ 252,500
Water - Fresh						850.120	\$ 10,000	855.120	\$ 210,000	\$ 220,000
Water - Brine						850.125	\$ 17,000			\$ 17,000
Cementing Services						850.130	\$ 26,000	855.130	\$ 79,000	\$ 105,000
Casing Hardware						850.135	\$ 3,000	855.135	\$ 18,000	\$ 21,000
Open Hole Logs			Completion Fluids			850.140	\$ -	855.140	\$ 3,000	\$ 3,000
Cased Hole Logs						850.145	\$ -			\$ -
Mud Logging						850.150	\$ 12,000			\$ 12,000
Surface Equip Rentals						850.180	\$ 26,000	855.180	\$ 84,000	\$ 110,000
Downhole Equip Rentals						850.185	\$ 40,000	855.185	\$ 60,000	\$ 100,000
Transportation						850.190	\$ 8,500	855.190	\$ 10,000	\$ 18,500
Living Quarters						850.200	\$ 15,000	855.200	\$ -	\$ 15,000
Contract Services						850.210	\$ 35,000	855.210	\$ 107,000	\$ 142,000
Tubular Inspections						850.215	\$ 8,000	855.215	\$ -	\$ 8,000
On-Site Supervision						850.225	\$ 50,000	855.225	\$ 41,000	\$ 91,000
Payroll-Technical Svc						850.245	\$ -	855.245	\$ 5,000	\$ 5,000
Supplies & Materials						850.260	\$ 1,500	855.260	\$ -	\$ 1,500
Surface Damages						850.280	\$ 25,000			\$ 25,000
Fluid Haul & Disposal						850.290	\$ 80,000	855.290	\$ 30,000	\$ 110,000
Overhead						850.300	\$ 3,000	855.300	\$ 5,000	\$ 8,000
Completion Unit								855.310	\$ 12,000	\$ 12,000
Cased Hole Wireline								855.325	\$ 139,000	\$ 139,000
Fracturing	360 Stage Spacing		24 Stages					855.350	\$ 956,000	\$ 956,000
Flowback Services								855.380	\$ 38,000	\$ 38,000
TOTAL INTANGIBLES							\$ 1,189,300		\$ 2,038,000	\$ 3,227,300
TANGIBLES						DRILLING		COMPLETION		TOTAL
	SIZE	WEIGHT	GRADE	Cost/Ft.	LENGTH	ACCOUNT	AMOUNT	ACCOUNT	AMOUNT	
Conductor Pipe	16				90	860.010	\$ 19,500			\$ 19,500
Surface Casing	9 5/8	36.0	J-55	22.19	2,270	860.020	\$ 50,000			\$ 50,000
Production Casing	7	32.0	L-80	23.38	5,000			865.040	\$ 117,000	\$ 117,000
Production Casing	5 1/2	20.0	L-80	14.43	8,000			865.040	\$ 115,000	\$ 115,000
Production Tubing	2 7/8	6.5	J-55	4.55	5,000			865.120	\$ 23,000	\$ 23,000
Flowline & Connectors								865.250	\$ 8,000	\$ 8,000
Casing Head Spools						860.050	\$ 4,500	865.050	\$ 14,000	\$ 18,500
Production Tree								865.100	\$ 16,000	\$ 16,000
Tubing Head								865.130	\$ 12,000	\$ 12,000
Other Downhole Equipment	Cap String							865.140	\$ 200,000	\$ 200,000
Production Facility								865.200	\$ 540,000	\$ 540,000
ESP - Surface Equipment								865.155	\$ 70,000	\$ 70,000
Submersible Pumps								865.160	\$ 138,000	\$ 138,000
Electrical								865.270	\$ 50,000	\$ 50,000
TOTAL TANGIBLES							\$ 74,000		\$ 1,303,000	\$ 1,377,000
prepared by: Monnie DeHart						TOTAL WELL COST			\$ 3,341,000	\$ 4,604,300
PARTNER COMPANY:						NAME / TITLE		DATE		APPROVED BY

Charles Pope EVP Ops & Eng

Printed Name / Title

Signature

Date

Corey Riley EVP New Ventures

Printed Name / Title

Signature

Date

Kevin Riley President

Printed Name / Title

Signature

Date

Jeff Gutman CFO

Printed Name / Title

Signature

Date

Bobby Riley COO

Printed Name / Title

Signature

Date

TORINO 4-33 WELL PROPOSAL LETTER TRACKING

Updated: 7/3/2020 KRS

STR	NAME	ADDRESS1	ADDRESS2	CITY	STATE	ZIP	UNIT INTEREST (% of 240 ac)	UNIT NMA	ELECTION			PROPOSAL SENT	TRACKING	RETURN RECEIPT	RESCISSION SENT	TRACKING	RETURN RECEIPT	PROPOSAL RE-ISSUE (dated 3/23/2020)	TRACKING	RETURN RECEIPT	REVISED PROPOSAL (dated 5/21/2020)	TRACKING	RETURN RECEIPT	NOTES
									Part.	Lease	Pool													
4-95-34E	Elliott-Hall Company Limited Partnership	PO Box 1231		Ogden	UT	84402	0.0416667	10.0000000		X		3/11/2020	7018 1130 0000 4191 8239	3/24/2020	3/17/2020	7019 2280 0000 9165 5771	3/26/2020	3/24/2020	7019 2280 0000 9165 5979	4/27/2020	5/22/2020	7019 2280 0000 9165 6198	5/29/2020	Limited to 100' b/l base of SA; Mutually agreeable form IN-HAND
4-95-34E	Black Shale Minerals, LLC	PO Box 2243		Longview	TX	75606	0.0208333	5.0000000		X		3/11/2020	7018 1130 0000 4191 8260	4/1/2020	3/17/2020	7019 2280 0000 9165 5740	3/24/2020	3/24/2020	7019 2280 0000 9165 5993	3/30/2020	5/22/2020	7019 2280 0000 9165 6211	5/29/2020	Limited to 100' b/l base of SA; Mutually agreeable form IN-HAND
4-95-34E	Apache Corporation	303 Veterans Airpark Lane	Suite 1000	Midland	TX	79705	0.0416667	10.0000000		X		3/11/2020	7018 1130 0000 4191 8253	4/1/2020	3/17/2020	7019 2280 0000 9165 5733	3/31/2020	3/24/2020	7019 2280 0000 9165 6006	3/31/2020	5/22/2020	7019 2280 0000 9165 6228	5/29/2020	Agreed to lease. Strike warranty Limited to 100' b/l base of SA; Mutually agreeable form
4-95-34E	Elliott Industries Limited Partnership	PO Box 1328		Santa Fe	NM	87504	0.0416667	10.0000000		X		3/11/2020	7018 1130 0000 4191 8246	3/24/2020	3/17/2020	7019 2280 0000 9165 5764	3/26/2020	3/24/2020	7019 2280 0000 9165 5986	4/13/2020	5/22/2020	7019 2280 0000 9165 6204	6/1/2020	Limited to 100' b/l base of SA; Mutually agreeable form IN-HAND
4-95-34E	Susan Nordan	11834 FM 1511		Buffalo	TX	75831	0.0029762	0.7142857				3/11/2020	7018 1130 0000 4191 8222	3/18/2020	3/17/2020	7019 2280 0000 9165 5757	4/1/2020	3/24/2020	7019 2280 0000 9165 5962	3/30/2020	5/22/2020	7019 2280 0000 9165 6181	7/2/2020	No reply
33-85-34E	Cathie Cone McCown	PO Box 658		Dripping Springs	TX	78620	0.0083333	2.0000000				3/6/2020	7019 2280 0000 9165 5597	3/24/2020	3/17/2020	7019 2280 0000 9165 5702	3/30/2020	3/24/2020	7019 2280 0000 9165 5863	4/27/2020	5/22/2020	7019 2280 0000 9165 6150	6/8/2020	No reply
33-85-34E	Kenneth G. Cone	c/o Cathie Cone McCown, Trustee	PO Box 658	Dripping Springs	TX	78620	0.0083333	2.0000000				3/6/2020	7019 2280 0000 9165 5498	3/24/2020	3/17/2020	7019 2280 0000 9165 5641	3/30/2020	3/24/2020	7019 2280 0000 9165 5948	4/27/2020	5/22/2020	7019 2280 0000 9165 6099	5/29/2020	No reply
33-85-34E	Metcalfe Oil LP	1308 Lake Street		Fert Worth	TX	76102	0.0000833	0.0200000				3/6/2020	7019 2280 0000 9165 5504	3/24/2020	3/17/2020	7019 2280 0000 9165 5719	3/26/2020	3/24/2020	7019 2280 0000 9165 5856	3/30/2020	5/22/2020	7019 2280 0000 9165 6167	5/29/2020	No reply
33-85-34E	Randy Lee Cone (OLD ADDRESS - JAV,OK)	PO Box 553		Jay	OK	74346	0.0055556	1.3333334				3/6/2020	7019 2280 0000 9165 5511	RETURNED 4/1	3/17/2020	7019 2280 0000 9165 5658	N/A	3/24/2020	7019 2280 0000 9165 5955	N/A	N/A	N/A	N/A	Randy Cone moved to Alaska
33-85-34E	BDT Oil & Gas, LP	1308 Lake Street		Fort Worth	TX	76102	0.0001667	0.0400000				3/6/2020	7019 2280 0000 9165 5535	3/24/2020	3/17/2020	7019 2280 0000 9165 5634	3/26/2020	3/24/2020	7019 2280 0000 9165 5931	3/30/2020	5/22/2020	7019 2280 0000 9165 6082	5/29/2020	No reply
33-85-34E	Grassland Energy, LP	1308 Lake Street		Fort Worth	TX	76102	0.0000833	0.0200000				3/6/2020	7019 2280 0000 9165 5542	3/24/2020	3/17/2020	7019 2280 0000 9165 5689	3/26/2020	3/24/2020	7019 2280 0000 9165 5894	3/26/2020	5/22/2020	7019 2280 0000 9165 6136	6/8/2020	4/14 - Counterred w/550, 3 yr., 20%, declined
33-85-34E	Finley Production Co., LP	1308 Lake Street		Fort Worth	TX	76102	0.0052122	1.2533333				3/6/2020	7018 2280 0000 9165 5559	3/24/2020	3/17/2020	7019 2280 0000 9165 5672	3/24/2020	3/24/2020	7019 2280 0000 9165 5900	4/27/2020	5/22/2020	7019 2280 0000 9165 6129	5/29/2020	No reply
33-85-34E	Tom R. Cone	PO Box 400		Southwest City	MO	64863	0.0083333	2.0000000			X	3/6/2020	7018 2280 0000 9165 5566	3/24/2020	3/17/2020	7019 2280 0000 9165 5665	3/24/2020	3/24/2020	7019 2280 0000 9165 5917	4/27/2020	5/22/2020	7019 2280 0000 9165 6112	6/1/2020	Election Rec'd 6/17
33-85-34E	Auenshine Children's Trust	c/o Cathie Cone McCown, Trustee	PO Box 658	Dripping Springs	TX	78620	0.0083333	2.0000000				3/6/2020	7018 2280 0000 9165 5573	3/24/2020	3/17/2020	7019 2280 0000 9165 5627	3/30/2020	3/24/2020	7019 2280 0000 9165 5924	4/27/2020	5/22/2020	7019 2280 0000 9165 6075		No reply
33-85-34E	Billy Glenn Spradlin	29 Rim Road		Kilgore	TX	75662	0.0013750	0.3300000		X		3/6/2020	7018 2280 0000 9165 5580	3/24/2020	3/17/2020	7019 2280 0000 9165 5726	3/30/2020	3/24/2020	7019 2280 0000 9165 5849	3/30/2020	5/22/2020	7019 2280 0000 9165 6174	6/1/2020	Election Received 3/17 (DNU- Rescinded proposal) Election Rec'd 6/30 OGL SENT 7/1
33-85-34E	The Long Trusts	118 S. Kilgore St.		Kilgore	TX	75663	0.0319583	7.6700000				3/11/2020	7018 1130 0000 4191 8215	3/18/2020	3/17/2020	7019 2280 0000 9165 5696	3/23/2020	3/26/2020	7019 2280 0000 9165 6013	4/27/2020	5/22/2020	7019 2280 0000 9165 6143	6/8/2020	7/2 - Counterred \$500/ac, 3 yr., 1/4 - declined
33-85-34E	Randy Lee Cone (ALASKA ADDRESS)	12201 Audubon Dr.		Anchorage	AK	99516	0.0027778	0.6666667				N/A	N/A	N/A	N/A	N/A	N/A	4/2/2020	7019 2280 0000 9165 6020	4/13/2020	5/22/2020	7019 2280 0000 9165 6105	6/2/2020	Counterred \$500, 3 yr & 25% (4/8 & 6/24) - declined

EXHIBIT
A-7

Application of Riley Permian Operating Co., LLC for compulsory pooling, Lea and Roosevelt Counties, New Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the San Andres formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. The horizontal spacing unit will be dedicated to the Torino 4-33 #3H well, which will be horizontally drilled from a surface location in Unit D in Section 9, Township 9 South, Range 34 East in Lea County to a bottom hole location in Unit L in Section 33, Township 8 South, Range 34 East in Roosevelt County. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Riley Permian Operating Co., LLC as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 8 miles west of Crossroads, New Mexico.

Case No. 21332

RILEY PERMIAN

Exhibit A-8



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

June 16, 2020

VIA CERTIFIED MAIL

Apache Corporation
303 Veterans Airpark Lane, Suite 1000
Midland, TX 79705

Re: Riley Permian Operating Co., LLC NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for compulsory pooling that Riley Permian Operating Co., LLC ("Riley") has filed with the New Mexico Oil Conservation Division ("the Division"). Riley's application (Case No. 21332) seeks an order pooling all uncommitted mineral interests in the San Andres formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. The horizontal spacing unit will be dedicated to the Torino 4-33 #3H well.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 9, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the Division's Hearings website: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Apache Corporation ("Apache") is not required to attend the hearing, but as an owner of an interest that may be affected by Riley's application, it may appear at the hearing and present testimony. If Apache does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, July 2, 2020. The Pre-Hearing Statement must be filed with the Division and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,


Dana S. Hardy

Enclosure

Case No. 21332

RILEY PERMIAN

Exhibit A-9

PO BOX 10
ROSWELL, NEW MEXICO 86202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO 88211
575-622-6510
(FAX) 575-746-6316

PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623


7601 JEFFERSON ST NE • SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;">Apache Corporation 303 Veterans Airpark Ln, Ste 1000 Midland, TX 79705</p> <div style="text-align: center;">  9590 9402 5941 0062 9834 41 </div> <p>2. Article Number (Transfer from service label)</p> <p style="text-align: center;">7018 2290 0000 3427 7907</p>	<p>A. Signature X <i>[Signature]</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>J. Berry</i> 6-23-20</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;">Auvenshine Children's Trust c/o Cathie Cone McCown, Trustee P.O. Box 658 Dripping Springs, TX 78620</p> <div style="text-align: center;">  9590 9402 5941 0062 9834 58 </div> <p>2. Article Number (Transfer from service label)</p> <p style="text-align: center;">7019 2970 0000 7642 6316</p>	<p>A. Signature X <i>Cathie McCown</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>Cathie McCown</i> 6/23</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;">BDT Oil & Gas, LP 1308 Lake Street Fort Worth, TX 76102</p> <div style="text-align: center;">  9590 9402 5941 0062 9835 02 </div> <p>2. Article Number (Transfer from service label)</p> <p style="text-align: center;">7019 2970 0000 7642 6248</p>	<p>A. Signature X <i>Shelly Moore</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>Shelly Moore</i> </p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Billy Glenn Spradlin
29 Rim Road
Kilgore, TX 75662



9590 9402 5941 0062 9835 71

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6309

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

If YES, enter delivery address below:

☐ Yes☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Black Shale Minerals, LLC
P.O. Box 2243
Longview, TX 75606



9590 9402 5941 0062 9834 34

2. Article Number (Transfer from service label)

7018 2290 0000 3427 7877

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

If YES, enter delivery address below:

☐ Yes☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Cathie Cone McCown
P.O. Box 658
Dripping Springs, TX 78620



9590 9402 5941 0062 9834 65

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6255

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

If YES, enter delivery address below:

☐ Yes☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

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<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Grassland Energy, LP
1308 Lake Street
Fort Worth, TX 76102



9590 9402 5941 0062 9834 89

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6224

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Shelby Moore* ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Shelby Moore

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail

☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Kenneth G. Cone
c/o Cathie Cone McCown, Trustee
P.O. Box 658
Dripping Springs, TX 78620



9590 9402 5941 0062 9835 26

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6200

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Cathie M. Cone* ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Cathie McCown

C. Date of Delivery

6/23

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery

☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Metcalf Oil LP
1308 Lake Street
Fort Worth, TX 76102



9590 9402 5941 0062 9835 19

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6217

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Shelby Moore* ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Shelby Moore

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail

☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Randy Lee Cone
2201 Audubon Drive
Anchorage, AK 99516



9590 9402 5941 0062 9835 40

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6187

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Randy Lee Cone

C. Date of Delivery

6/19/20

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Susan Nordan
11834 FM 1511
Buffalo, TX 75831



9590 9402 5941 0062 9835 33

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6194

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

RAY CHRISTELL

C. Date of Delivery

6/19

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

The Long Trusts
118 S. Kilgore St.
Kilgore, TX 75663



9590 9402 5941 0062 9835 57

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6170

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

The Long Trusts

C. Date of Delivery

6/20/20

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Restricted Delivery

(over \$500)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tom R. Cone
P.O. Box 400
Southwest City, MO 64863



9590 9402 5941 0062 9835 64

2. Article Number (Transfer from service label)

7019 2970 0000 7642 6163

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Sue Cone*☐ Agent☐ Addressee

B. Received by (Printed Name)

SUE CONE

C. Date of Delivery

6-30-2020

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

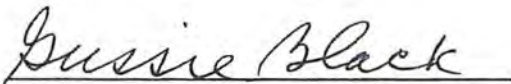
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
June 19, 2020
and ending with the issue dated
June 19, 2020.



Publisher

Sworn and subscribed to before me this
19th day of June 2020.



Business Manager



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE June 19, 2020

This is to notify all interested parties, including Elliott-Hall Company LP, Black Shale Minerals, LLC, Apache Corporation, Elliott Industries LP, Susan Nordan, Cathie Cone McCown, Kenneth G. Cone, Metcalfe Oil LP, BDT Oil & Gas, LP, Grassland Energy, LP, Finley Production Company, LP, Tom R. Cone, Auvenshine Children's Trust, Billy Glenn Spradlin, The Long Trusts, Randy Lee Cone, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Riley Permian Operating Company, LLC (Case No. 21332). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 9, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant seeks an order pooling all uncommitted mineral interests in the San Andres formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. The horizontal spacing unit will be dedicated to the Torino 4-33 #3H well, which will be horizontally drilled from a surface location in Unit D in Section 9, Township 9 South, Range 34 East in Lea County to a bottom hole location in Unit L in Section 33, Township 8 South, Range 34 East in Roosevelt County. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Riley Permian Operating Company, LLC as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 8 miles west of Crossroads, New Mexico.
#35590

02107475

00243591

HINKLE, HENSLEY, SHANOR & MARTIN, LLP
PO BOX 2068
SANTA FE, NM 87504

Case No. 21332
RILEY PERMIAN
Exhibit A-10

AFFIDAVIT OF LEGAL PUBLICATION

Legal 8729

STATE OF NEW MEXICO
COUNTIES OF CURRY
AND ROOSEVELT:

The undersigned, being dully sworn, says:
That she is a Legal Clerk of
The Eastern New Mexico News
Newspaper of general circulation,
Published in English at Clovis and Portales,
said counties and state, and that the
hereto attached

Notice of Hearing Case No. 21332
Legal 8729

was published in The Eastern New Mexico News
a daily newspaper duly qualified for that purpose
within the meaning of Chapter 167 of the 1937
Session Laws of the State of New Mexico for
1 Days/weeks on the same days as follows:

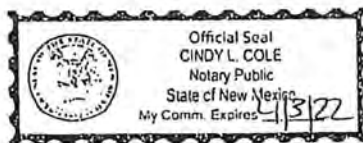
First Publication June 21, 2020
Second Publication
Third Publication
Fourth Publication

Tammy Newby
Legal Clerk

Subscribed and sworn to before me,
June 22, 2020

Cindy L. Cole
Notary Public

My commission expires on April 3, 2022



Legal 8729
June 21, 2020

THIS IS TO notify all interested parties, including Elliott-Hall Company LP, Black Shale Minerals, LLC, Apache Corporation, Elliott Industries LP, Susan Nordan, Cathie Cone McCown, Kenneth G. Cone, Metcalfe Oil LP, BDT Oil & Gas, LP, Grassland Energy, LP, Finley Production Company, LP, Tom R. Cone, Auvenshine Children's Trust, Billy Glenn Spradlin, The Long Trusts, Randy Lee Cone, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Riley Permian Operating Company, LLC (Case No. 21332). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 9, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant seeks an order pooling all uncommitted mineral interests in the San Andres formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the W/2 W/2 of Section 4, Township 9 South, Range 34 East in Lea County and the W/2 SW/4 of Section 33, Township 8 South, Range 34 East in Roosevelt County, New Mexico. The horizontal spacing unit will be dedicated to the Torino 4-33 #3H well, which will be horizontally drilled from a surface location in Unit D in Section 9, Township 9 South, Range 34 East in Lea County to a bottom hole location in Unit L in Section 33, Township 8 South, Range 34 East in Roosevelt County. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Riley Permian Operating Company, LLC as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 8 miles west of Crossroads, New Mexico.



AUTHORITY FOR EXPENDITURE

OPERATOR

Riley Permian Operating Company

WELL NAME & NUMBER

Torino 4-33 3H

COUNTY

Lea

STATE

NM

LOCATION

9-9S-34E

AFE NO.

20DC0006

DATE

1/31/2020

PROPOSED MD

14,000

FIELD PROSPECT

Minesand West

PROPOSED TVD

4,662'

COMPL LATERAL

8,600

PROPOSED FORMATION

San Andres

CLASSIFICATION

Development

INTANGIBLES						DRILLING		COMPLETION		TOTAL
						ACCOUNT	AMOUNT	ACCOUNT	AMOUNT	
Permits & Surveys						850.010	\$ 8,000			\$ 8,000
Drilling Title Opinion						850.020	\$ 50,000			\$ 50,000
Location & Roads			Loc. Road, Pit Reclamation			850.030	\$ 80,000	855.030	\$ 10,000	\$ 90,000
Insurance & Bonds						850.040	\$ 4,000	855.040	\$ -	\$ 4,000
Rig Mobilization						850.050	\$ 150,000			\$ 150,000
Dayrate Drilling	14 days @ \$15500/day					850.060	\$ 217,800	855.060	\$ 31,000	\$ 248,800
Bits						850.090	\$ 27,000			\$ 27,000
Directional Services						850.095	\$ 125,000			\$ 125,000
Mud & Chemicals						850.100	\$ 55,000			\$ 55,000
Solids Control Services						850.105	\$ 60,000			\$ 60,000
Fuel & Power	1500 gal/day @ \$2.50/gal		Coil Tubing/Snubbing			850.110	\$ 52,500	855.110	\$ 200,000	\$ 252,500
Water - Fresh						850.120	\$ 10,000	855.120	\$ 210,000	\$ 220,000
Water - Brine						850.125	\$ 17,000			\$ 17,000
Cementing Services						850.130	\$ 26,000	855.130	\$ 79,000	\$ 105,000
Casing Hardware						850.135	\$ 3,000	855.135	\$ 18,000	\$ 21,000
Open Hole Logs			Completion Fluids			850.140	\$ -	855.140	\$ 3,000	\$ 3,000
Cased Hole Logs						850.145	\$ -			\$ -
Mud Logging						850.150	\$ 12,000			\$ 12,000
Surface Equip Rentals						850.180	\$ 26,000	855.180	\$ 84,000	\$ 110,000
Downhole Equip Rentals						850.185	\$ 40,000	855.185	\$ 60,000	\$ 100,000
Transportation						850.190	\$ 8,500	855.190	\$ 10,000	\$ 18,500
Living Quarters						850.200	\$ 15,000	855.200	\$ -	\$ 15,000
Contract Services						850.210	\$ 35,000	855.210	\$ 107,000	\$ 142,000
Tubular Inspections						850.215	\$ 8,000	855.215	\$ -	\$ 8,000
On-Site Supervision						850.225	\$ 50,000	855.225	\$ 41,000	\$ 91,000
Payroll-Technical Svc						850.245	\$ -	855.245	\$ 5,000	\$ 5,000
Supplies & Materials						850.260	\$ 1,500	855.260	\$ -	\$ 1,500
Surface Damages						850.280	\$ 25,000			\$ 25,000
Fluid Haul & Disposal						850.290	\$ 80,000	855.290	\$ 30,000	\$ 110,000
Overhead						850.300	\$ 3,000	855.300	\$ 5,000	\$ 8,000
Completion Unit								855.310	\$ 12,000	\$ 12,000
Cased Hole Wireline								855.325	\$ 139,000	\$ 139,000
Fracturing	360 Stage Spacing		24 Stages					855.350	\$ 956,000	\$ 956,000
Flowback Services								855.380	\$ 38,000	\$ 38,000
TOTAL INTANGIBLES							\$ 1,189,300		\$ 2,038,000	\$ 3,227,300
TANGIBLES						DRILLING		COMPLETION		TOTAL
SIZE	WEIGHT	GRADE	Cost/Ft.	LENGTH		ACCOUNT	AMOUNT	ACCOUNT	AMOUNT	
Conductor Pipe	16			90		860.010	\$ 19,500			\$ 19,500
Surface Casing	9 5/8	36.0	J-55	22.19	2,270	860.020	\$ 50,000			\$ 50,000
Production Casing	7	32.0	L-80	23.38	5,000			865.040	\$ 117,000	\$ 117,000
Production Casing	5 1/2	20.0	L-80	14.43	8,000			865.040	\$ 115,000	\$ 115,000
Production Tubing	2 7/8	6.5	J-55	4.55	5,000			865.120	\$ 23,000	\$ 23,000
Flowline & Connectors								865.250	\$ 8,000	\$ 8,000
Casing Head Spools						860.050	\$ 4,500	865.050	\$ 14,000	\$ 18,500
Production Tree								865.100	\$ 16,000	\$ 16,000
Tubing Head								865.130	\$ 12,000	\$ 12,000
Other Downhole Equipment		Cap String						865.140	\$ 200,000	\$ 200,000
Production Facility								865.200	\$ 540,000	\$ 540,000
ESP - Surface Equipment								865.155	\$ 70,000	\$ 70,000
Submersible Pumps								865.160	\$ 138,000	\$ 138,000
Electrical								865.270	\$ 50,000	\$ 50,000
TOTAL TANGIBLES							\$ 74,000		\$ 1,303,000	\$ 1,377,000
prepared by: Monnie DeHart						TOTAL WELL COST			\$ 3,341,000	\$ 4,604,300
PARTNER COMPANY:			NAME / TITLE			DATE			APPROVED BY	

Charles Pope EVP Ops & Eng

Printed Name / Title

Signature

Date

Corey Riley EVP New Ventures

Printed Name / Title

Signature

Date

Kevin Riley President

Printed Name / Title

Signature

Date

Jeff Gutman CFO

Printed Name / Title

Signature

Date

Bobby Riley COO

Printed Name / Title

Signature

Date

Case No. 21332

RILEY PERMIAN

Exhibit A-11

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF RILEY PERMIAN
OPERATING CO., LLC FOR COMPULSORY POOLING,
LEA AND ROOSEVELT COUNTIES, NEW MEXICO**

Case No. 21332

**SELF-AFFIRMED STATEMENT OF
DANIEL OSBORNE**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am a geologist for Riley Permian Operating Co., LLC ("Riley"). I am familiar with the geological matters that pertain to Riley's application.
3. I have not previously testified before the Division. A copy of my resume is attached as Exhibit B-1.
4. A general location map of the proposed horizontal spacing unit ("HSU") is attached as Exhibit B-2. Exhibit B-2 also provides the location of the well bore and a schematic of the proposed spacing unit.
5. A structure map of the PI Marker within San Andres formation is attached as Exhibit B-3. The map shows the structure dips. It also shows a line of cross section and the HSU for the proposed Torino 4-33 #3H well.
6. Attached as Exhibit B-4 is a south to north cross section. The well logs on the cross section provide a representative sample of the San Andres formation in the area. The target interval ("Target Line") for the proposed well is continuous across the HSU.

Case No. 21332

RILEY PERMIAN

Exhibit B

7. The preferred orientation for horizontal wells in the area is south to north or north to south because there is a stress regime that makes the orientation more optimal for completion purposes.

8. Exhibit B-5 is a Well Planning Report for the proposed well. The report contains plots and lateral trajectory schematics of the well bore. The well's producing interval will be orthodox.

9. There are no depth severances within the San Andres formation in the proposed HSU.

10. Based on the information discussed above, I am able to conclude that:

- a) The HSU is justified from a geologic standpoint;
- b) I do not believe that faulting or any geologic impediment will adversely affect the outcome of the proposed well; and
- c) Each quarter-quarter section in the HSU will contribute more or less equally to production.

11. In my opinion, the granting of Riley's application will serve the interests of conservation and the prevention of waste.

12. Exhibits B-1 through B-5 were either prepared by me or compiled from company records.

13. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 12 above is true and correct and is

made under penalty of perjury under the laws of the State of New Mexico. My testimony is made
as of the date handwritten next to my signature below.


Daniel Osborne

6/16/20
Date

Exhibit B-1

3710 MERLIN CT • NEWCASTLE, OKLAHOMA 73065
(210) 859-2400 • DANIELOSBORNE43@GMAIL.COM

DANIEL OSBORNE

OBJECTIVE

To help advance the goals and profitability of an exploration-energy based company by utilizing my education and extensive experience within the oil & gas industry.

RELEVANT WORK EXPERIENCE

- | | | |
|--|-----------------------------|-------------------------|
| 6/18-Present | Riley Permian Operating Co. | Oklahoma City, Oklahoma |
| <i>Geologist</i> | | |
| <ul style="list-style-type: none">• <i>Planning & Execution of Horizontal Well development in both Permian & Texas Gulf Coast Basins. Implement advanced logging programs for Vertical Science Wells, consisting of CMR, Dielectric, FMI, Dipole Sonic, Elemental Capture Sonde. Coordinate Whole Core Analysis including Dean Starke, XRD, Thin Section, SEM, SCAL, Electrical Properties, Rel Perm, Wettability, & Mercury Injection. Evaluate dynamic Archie Water Saturation models that account for variable m & n parameters. Conduct Acreage De-Risk Assessments including parameters of SOPHH, Structure, Geo-Water Hazards, & Offset Operator Activity.</i> | | |
| 2/13-6/18 | Riley Exploration Group | Blanchard, Oklahoma |
| <i>Exploration Geologist</i> | | |
| <ul style="list-style-type: none">• <i>Provided geological interpretations through subsurface mapping and data analysis. Create prospect area maps, Cross-Sections, Geopros, and Presentations. Conduct Acquisition and Divestiture Acreage Evaluations. Design large project development plans. Responsible for Geosteering, and Permitting of wells. Handle Digitizing and Georeferencing. Interpret Crosswell, 2D, and 3D Seismic. Generate new prospects in key geological locations throughout New Mexico, Oklahoma, and Texas.</i> | | |
| 6/12-2/13 | Ingrain Inc. | Houston, Texas |
| <i>Geologist</i> | | |
| <ul style="list-style-type: none">• <i>Applied a range of geologic knowledge and skills in sample preparation, X-ray CT, FIB-SEM imaging, Thin Section Analysis, data processing, and geologic interpretation.</i> | | |
| 10/09-1/12 | Everest Resource Company | Corpus Christi, Texas |
| <i>Sr. Geo-Tech</i> | | |
| <ul style="list-style-type: none">• <i>Collected data for Geo-Scientists through log library, and online sources. Used the programs Petra, Global Mapper, and SMT on a daily basis. Correlated well logs to sub-surface conditions. Witnessed log runs and well tests.</i> | | |
| 12/07-8/09 | EControls Inc. | San Antonio, Texas |
| <i>Technician</i> | | |
| <ul style="list-style-type: none">• <i>Assisted with setup and maintenance of internal combustion engine test-stands for durability testing. Helped manage engine warehouse and building maintenance.</i> | | |

EDUCATION

- | | | |
|-----------|---------------------------------------|--------------------|
| 8/08-5/12 | Texas A&M at Corpus Christi, Texas | |
| | <i>Bachelor of Science in Geology</i> | |
| 8/06-5/08 | San Antonio College | San Antonio, Texas |
| | <i>Geology Major</i> | |

EXTRACURRICULAR ACTIVITIES

- Member of the Texas A&M Corpus Christi Geology Club
- Member of the Corpus Christi Geological Society
- Alumni of the Phi Delta Theta fraternity.

COMPUTER SKILLS

- *Proficient with Petra, SMT, Geographix, StarSteer, TerraVue, QGIS/Arc Map, PowerLog, LandWorks, Greenbrier Deed Plot, and Microsoft Office.*

REFERENCES

- Available Upon Request

Exhibit B-2

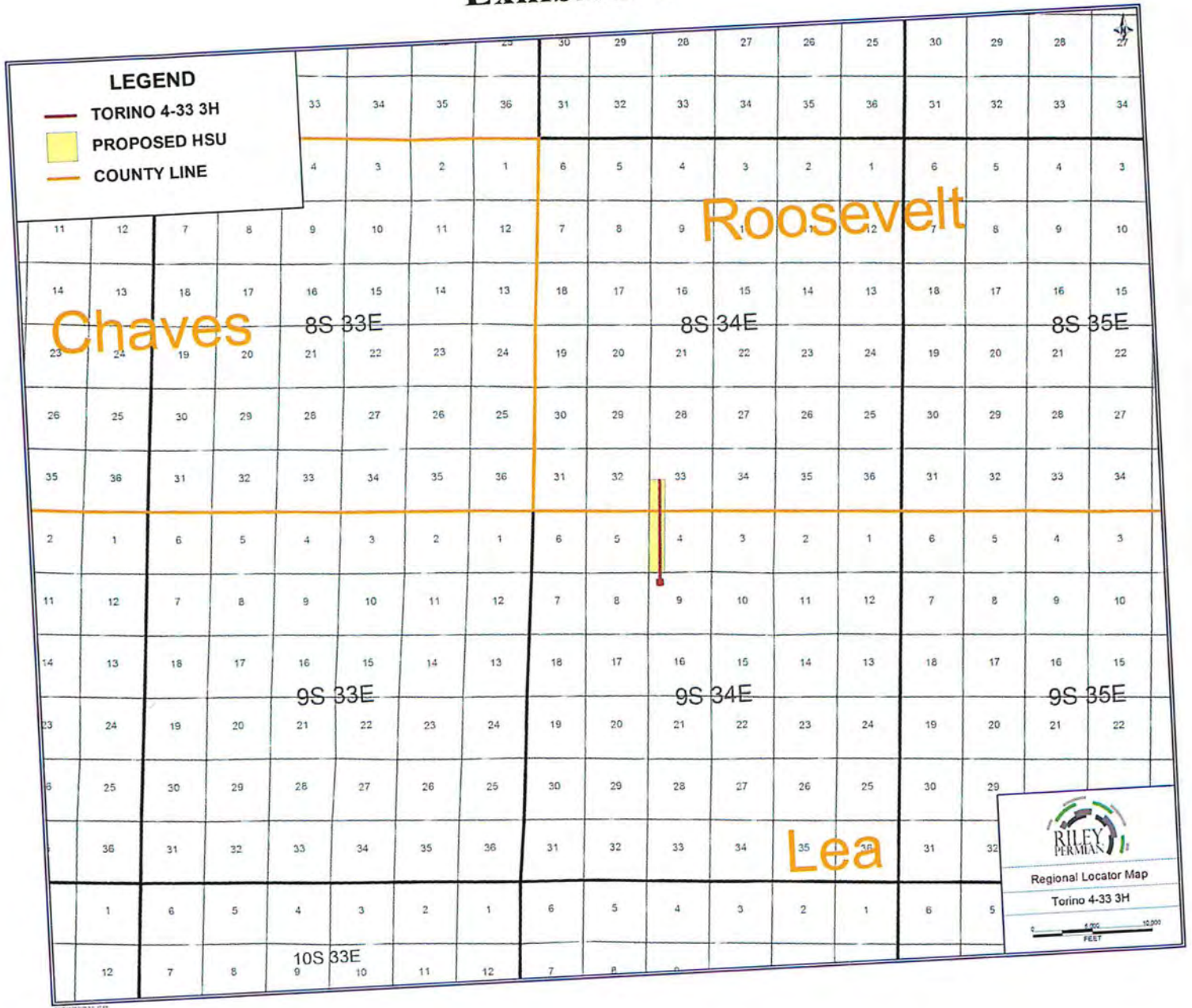




Exhibit B-4

Cross Section South to North

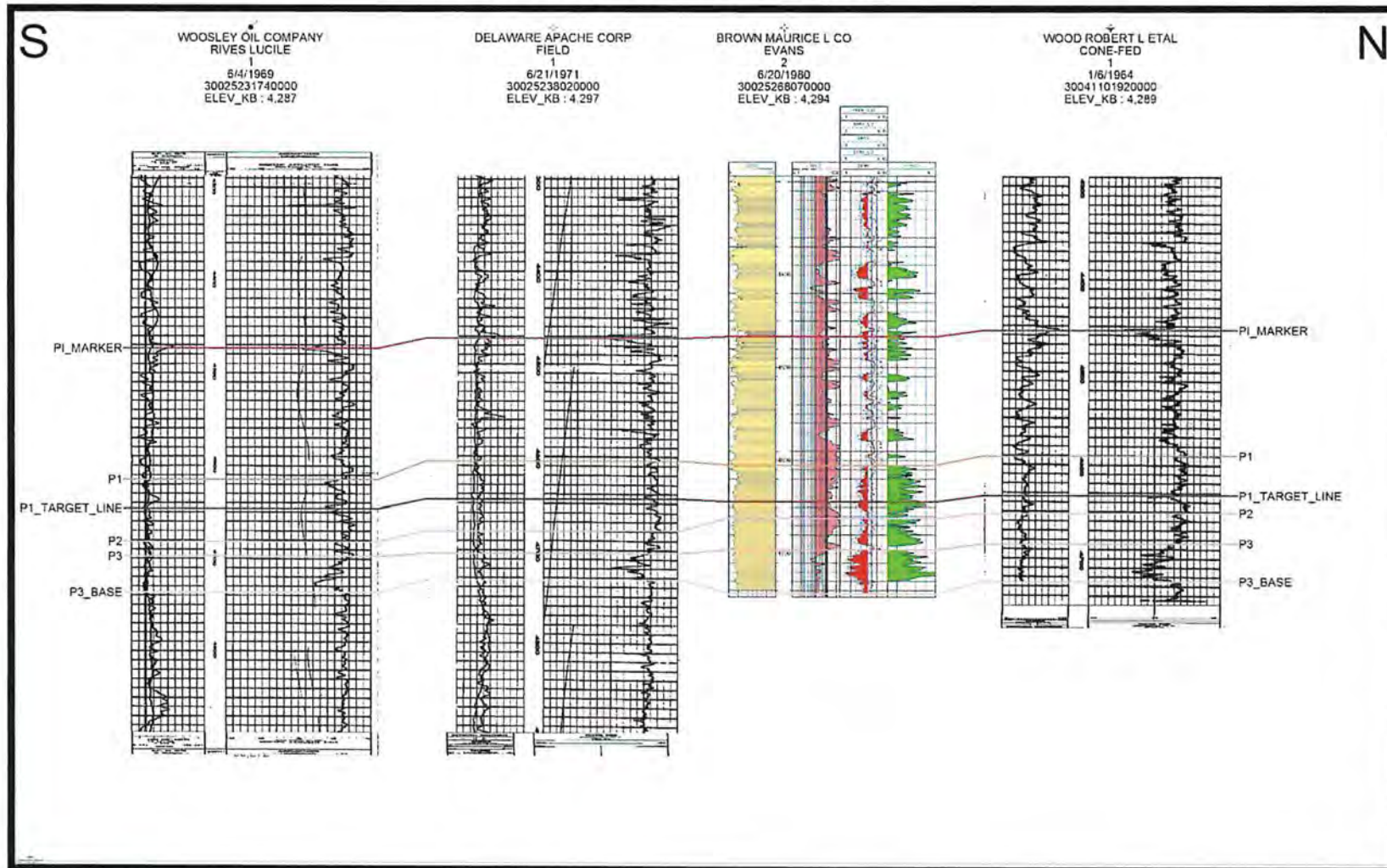


Exhibit B-5

Riley Permian Operating Co., LLC

Lea County, NM

Torino 4-33

3H

OH

Plan: Plan 1

Standard Planning Report

06 April, 2020

Legacy Directional Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Torino 4-33			
Site Position:		Northing:	930,038.00 usft	Latitude:	33.553669
From:	Map	Easting:	761,574.00 usft	Longitude:	-103.474753
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	3H					
Well Position	+N/-S	0.00 usft	Northing:	930,038.00 usft	Latitude:	33.553669
	+E/-W	0.00 usft	Easting:	761,574.00 usft	Longitude:	-103.474753
Position Uncertainty	0.00 usft	Wellhead Elevation:		Ground Level:	4,285.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM2020	4/6/2020	6.74	61.15	48,409.41193566

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.27

Plan Survey Tool Program	Date	4/6/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	12,914.47	Plan 1 (OH)	MWD
				OWSG MWD - Standard

Legacy Directional Planning Report

Database: EDM 5000.14 Single User Db
Company: Riley Permian Operating Co., LLC
Project: Lea County, NM
Site: Torino 4-33
Well: 3H
Wellbore: OH
Design: Plan 1

Local Co-ordinate Reference: Well 3H
TVD Reference: GL 4285 + 17' KB @ 4302.00usft
MD Reference: GL 4285 + 17' KB @ 4302.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,844.51	0.00	0.00	3,844.51	0.00	0.00	0.00	0.00	0.00	0.00	
4,407.01	45.00	359.29	4,350.94	209.75	-2.59	8.00	8.00	0.00	359.29	
4,607.01	45.00	359.29	4,492.36	351.16	-4.34	0.00	0.00	0.00	0.00	
5,059.42	90.24	359.27	4,660.17	758.69	-9.48	10.00	10.00	-0.01	-0.04	
5,099.74	90.24	359.27	4,660.00	799.00	-10.00	0.00	0.00	0.00	0.00	FTP - Torino 4-33 3H
6,300.69	90.24	359.27	4,655.00	1,999.84	-25.38	0.00	0.00	0.00	177.15	2000°VS - Torino 4-33
6,307.90	90.34	359.27	4,654.96	2,007.05	-25.47	1.50	1.50	0.00	-0.17	
7,300.71	90.34	359.27	4,649.00	2,999.76	-38.19	0.00	0.00	0.00	0.00	3000°VS - Torino 4-33
7,343.67	89.70	359.27	4,648.98	3,042.72	-38.74	1.50	-1.50	0.00	-180.00	
8,300.71	89.70	359.27	4,654.00	3,999.67	-51.00	0.00	0.00	0.00	0.00	4000°VS - Torino 4-33
8,332.71	90.18	359.27	4,654.03	4,031.66	-51.41	1.50	1.50	0.00	0.00	
9,300.72	90.18	359.27	4,651.00	4,999.59	-63.81	0.00	0.00	0.00	0.00	5000°VS - Torino 4-33
9,319.48	90.46	359.27	4,650.90	5,018.35	-64.05	1.50	1.50	0.00	0.00	
10,300.76	90.46	359.27	4,643.00	5,999.51	-76.62	0.00	0.00	0.00	0.00	6000°VS - Troino 4-33
10,324.12	90.11	359.27	4,642.88	6,022.87	-76.92	1.50	-1.50	0.00	180.00	
11,300.76	90.11	359.27	4,641.00	6,999.43	-89.43	0.00	0.00	0.00	0.00	7000°VS - Torino 4-33
11,312.01	89.94	359.27	4,640.99	7,010.68	-89.57	1.50	-1.50	0.00	-180.00	
12,300.76	89.94	359.27	4,642.00	7,999.35	-102.24	0.00	0.00	0.00	0.00	8000°VS - Torino 4-33
12,315.75	89.72	359.28	4,642.04	8,014.33	-102.43	1.50	-1.50	0.06	177.55	
12,914.47	89.72	359.28	4,645.00	8,613.00	-110.00	0.00	0.00	0.00	0.00	BHL - Torino 4-33 3H

Legacy Directional Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,844.51	0.00	0.00	3,844.51	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 8.00									
3,900.00	4.44	359.29	3,899.94	2.15	-0.03	2.15	8.00	8.00	0.00
4,000.00	12.44	359.29	3,998.78	16.81	-0.21	16.81	8.00	8.00	0.00
4,022.84	14.27	359.29	4,021.00	22.08	-0.27	22.09	8.00	8.00	0.00
Grayburg									
4,100.00	20.44	359.29	4,094.62	45.09	-0.56	45.09	8.00	8.00	0.00
4,146.91	24.19	359.29	4,138.00	62.89	-0.78	62.90	8.00	8.00	0.00
San Andres									
4,200.00	28.44	359.29	4,185.58	86.42	-1.07	86.43	8.00	8.00	0.00
4,300.00	36.44	359.29	4,269.91	140.01	-1.73	140.03	8.00	8.00	0.00
4,400.00	44.44	359.29	4,345.96	204.82	-2.53	204.84	8.00	8.00	0.00
4,407.01	45.00	359.29	4,350.94	209.75	-2.59	209.77	8.00	8.00	0.00
45° at 4407.01 MD									
4,500.00	45.00	359.29	4,416.69	275.50	-3.40	275.52	0.00	0.00	0.00
4,600.00	45.00	359.29	4,487.40	346.21	-4.28	346.23	0.00	0.00	0.00
4,602.26	45.00	359.29	4,489.00	347.80	-4.30	347.83	0.00	0.00	0.00
Pi Marker									
4,607.01	45.00	359.29	4,492.36	351.16	-4.34	351.19	0.00	0.00	0.00
KOP Start DLS 10.00 TFO -0.04									
4,700.00	54.30	359.28	4,552.50	421.95	-5.22	421.98	10.00	10.00	-0.01
4,800.00	64.30	359.28	4,603.49	507.82	-6.30	507.86	10.00	10.00	-0.01
4,873.38	71.64	359.27	4,631.00	575.79	-7.15	575.83	10.00	10.00	-0.01
P1									
4,900.00	74.30	359.27	4,638.80	601.23	-7.48	601.28	10.00	10.00	0.00
5,000.00	84.30	359.27	4,657.34	699.36	-8.73	699.42	10.00	10.00	0.00
5,059.42	90.24	359.27	4,660.17	758.69	-9.48	758.74	10.00	10.00	0.00
LP 90.24° at 5059.42 MD									
5,099.74	90.24	359.27	4,660.00	799.00	-10.00	799.06	0.00	0.00	0.00
FTP at 5099.74 MD - FTP - Torino 4-33 3H									
5,100.00	90.24	359.27	4,660.00	799.26	-10.00	799.32	0.00	0.00	0.00
5,200.00	90.24	359.27	4,659.58	899.25	-11.28	899.32	0.00	0.00	0.00
5,300.00	90.24	359.27	4,659.16	999.24	-12.57	999.32	0.00	0.00	0.00
5,400.00	90.24	359.27	4,658.74	1,099.23	-13.85	1,099.32	0.00	0.00	0.00
5,500.00	90.24	359.27	4,658.32	1,199.22	-15.13	1,199.32	0.00	0.00	0.00
5,600.00	90.24	359.27	4,657.90	1,299.21	-16.41	1,299.32	0.00	0.00	0.00
5,700.00	90.24	359.27	4,657.49	1,399.21	-17.69	1,399.32	0.00	0.00	0.00
5,800.00	90.24	359.27	4,657.07	1,499.20	-18.97	1,499.32	0.00	0.00	0.00
5,900.00	90.24	359.27	4,656.66	1,599.19	-20.25	1,599.32	0.00	0.00	0.00
6,000.00	90.24	359.27	4,656.24	1,699.18	-21.53	1,699.31	0.00	0.00	0.00
6,100.00	90.24	359.27	4,655.83	1,799.17	-22.81	1,799.31	0.00	0.00	0.00
6,200.00	90.24	359.27	4,655.42	1,899.16	-24.09	1,899.31	0.00	0.00	0.00
6,300.00	90.24	359.27	4,655.00	1,999.15	-25.37	1,999.31	0.00	0.00	0.00
6,300.69	90.24	359.27	4,655.00	1,999.84	-25.38	2,000.00	0.00	0.00	0.00
2000°VS Start DLS 1.50 TFO 0.12 - 2000°VS - Torino 4-33 3H									
6,307.90	90.34	359.27	4,654.96	2,007.05	-25.47	2,007.21	1.49	1.49	0.00
90.34° at 6307.90 MD									
6,400.00	90.34	359.27	4,654.41	2,099.14	-26.65	2,099.31	0.00	0.00	0.00
6,500.00	90.34	359.27	4,653.81	2,199.13	-27.93	2,199.31	0.00	0.00	0.00
6,600.00	90.34	359.27	4,653.21	2,299.12	-29.21	2,299.31	0.00	0.00	0.00
6,700.00	90.34	359.27	4,652.61	2,399.11	-30.50	2,399.31	0.00	0.00	0.00
6,800.00	90.34	359.27	4,652.01	2,499.10	-31.78	2,499.30	0.00	0.00	0.00

Legacy Directional Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,900.00	90.34	359.27	4,651.41	2,599.09	-33.06	2,599.30	0.00	0.00	0.00	
7,000.00	90.34	359.27	4,650.81	2,699.08	-34.34	2,699.30	0.00	0.00	0.00	
7,100.00	90.34	359.27	4,650.21	2,799.07	-35.62	2,799.30	0.00	0.00	0.00	
7,200.00	90.34	359.27	4,649.61	2,899.06	-36.90	2,899.30	0.00	0.00	0.00	
7,300.00	90.34	359.27	4,649.00	2,999.05	-38.18	2,999.29	0.00	0.00	0.00	
7,300.71	90.34	359.27	4,649.00	2,999.76	-38.19	3,000.00	0.00	0.00	0.00	
3000'VS Start DLS 1.50 TFO -179.99 - 3000'VS - Torino 4-33 3H										
7,343.67	89.70	359.27	4,648.98	3,042.72	-38.74	3,042.96	1.50	-1.50	0.00	
89.70° at 7343.67 MD										
7,400.00	89.70	359.27	4,649.28	3,099.04	-39.46	3,099.29	0.00	0.00	0.00	
7,500.00	89.70	359.27	4,649.80	3,199.03	-40.74	3,199.29	0.00	0.00	0.00	
7,600.00	89.70	359.27	4,650.33	3,299.02	-42.02	3,299.29	0.00	0.00	0.00	
7,700.00	89.70	359.27	4,650.85	3,399.01	-43.30	3,399.29	0.00	0.00	0.00	
7,800.00	89.70	359.27	4,651.38	3,499.00	-44.59	3,499.29	0.00	0.00	0.00	
7,900.00	89.70	359.27	4,651.90	3,598.99	-45.87	3,599.29	0.00	0.00	0.00	
8,000.00	89.70	359.27	4,652.42	3,698.98	-47.15	3,699.29	0.00	0.00	0.00	
8,100.00	89.70	359.27	4,652.95	3,798.97	-48.43	3,799.28	0.00	0.00	0.00	
8,200.00	89.70	359.27	4,653.47	3,898.97	-49.71	3,899.28	0.00	0.00	0.00	
8,300.00	89.70	359.27	4,654.00	3,998.96	-50.99	3,999.28	0.00	0.00	0.00	
8,300.71	89.70	359.27	4,654.00	3,999.67	-51.00	4,000.00	0.00	0.00	0.00	
4000'VS Start DLS 1.50 TFO 0.00 - 4000'VS - Torino 4-33 3H										
8,332.71	90.18	359.27	4,654.03	4,031.66	-51.41	4,031.99	1.50	1.50	0.00	
90.18° at 8332.71 MD										
8,400.00	90.18	359.27	4,653.82	4,098.95	-52.27	4,099.28	0.00	0.00	0.00	
8,500.00	90.18	359.27	4,653.51	4,198.94	-53.55	4,199.28	0.00	0.00	0.00	
8,600.00	90.18	359.27	4,653.20	4,298.93	-54.83	4,299.28	0.00	0.00	0.00	
8,700.00	90.18	359.27	4,652.88	4,398.92	-56.11	4,399.28	0.00	0.00	0.00	
8,800.00	90.18	359.27	4,652.57	4,498.91	-57.40	4,499.28	0.00	0.00	0.00	
8,900.00	90.18	359.27	4,652.26	4,598.90	-58.68	4,599.28	0.00	0.00	0.00	
9,000.00	90.18	359.27	4,651.94	4,698.90	-59.96	4,699.28	0.00	0.00	0.00	
9,100.00	90.18	359.27	4,651.63	4,798.89	-61.24	4,799.28	0.00	0.00	0.00	
9,200.00	90.18	359.27	4,651.32	4,898.88	-62.52	4,899.28	0.00	0.00	0.00	
9,300.00	90.18	359.27	4,651.00	4,998.87	-63.80	4,999.28	0.00	0.00	0.00	
9,300.72	90.18	359.27	4,651.00	4,999.59	-63.81	5,000.00	0.00	0.00	0.00	
5000'VS Start DLS 1.50 TFO 0.00 - 5000'VS - Torino 4-33 3H										
9,319.49	90.46	359.27	4,650.90	5,018.35	-64.05	5,018.76	1.50	1.50	0.00	
90.46° at 9319.48 MD										
9,400.00	90.46	359.27	4,650.25	5,098.86	-65.08	5,099.27	0.00	0.00	0.00	
9,500.00	90.46	359.27	4,649.44	5,198.85	-66.36	5,199.27	0.00	0.00	0.00	
9,600.00	90.46	359.27	4,648.64	5,298.83	-67.64	5,299.27	0.00	0.00	0.00	
9,700.00	90.46	359.27	4,647.83	5,398.82	-68.92	5,399.26	0.00	0.00	0.00	
9,800.00	90.46	359.27	4,647.03	5,498.81	-70.21	5,499.26	0.00	0.00	0.00	
9,900.00	90.46	359.27	4,646.22	5,598.80	-71.49	5,599.26	0.00	0.00	0.00	
10,000.00	90.46	359.27	4,645.42	5,698.79	-72.77	5,699.25	0.00	0.00	0.00	
10,100.00	90.46	359.27	4,644.62	5,798.78	-74.05	5,799.25	0.00	0.00	0.00	
10,200.00	90.46	359.27	4,643.81	5,898.77	-75.33	5,899.25	0.00	0.00	0.00	
10,300.00	90.46	359.27	4,643.01	5,998.75	-76.61	5,999.24	0.00	0.00	0.00	
10,300.76	90.46	359.27	4,643.00	5,999.51	-76.62	6,000.00	0.00	0.00	0.00	
6000'VS Start DLS 1.50 TFO 180.00 - 6000'VS - Troino 4-33 3H										
10,324.12	90.11	359.27	4,642.88	6,022.88	-76.92	6,023.37	1.50	-1.50	0.00	
90.11° at 10324.12 MD										
10,400.00	90.11	359.27	4,642.74	6,098.75	-77.89	6,099.24	0.00	0.00	0.00	
10,500.00	90.11	359.27	4,642.54	6,198.74	-79.17	6,199.24	0.00	0.00	0.00	

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.00	90.11	359.27	4,642.35	6,298.73	-80.45	6,299.24	0.00	0.00	0.00
10,700.00	90.11	359.27	4,642.16	6,398.72	-81.73	6,399.24	0.00	0.00	0.00
10,800.00	90.11	359.27	4,641.97	6,498.71	-83.02	6,499.24	0.00	0.00	0.00
10,900.00	90.11	359.27	4,641.77	6,598.70	-84.30	6,599.24	0.00	0.00	0.00
11,000.00	90.11	359.27	4,641.58	6,698.70	-85.58	6,699.24	0.00	0.00	0.00
11,100.00	90.11	359.27	4,641.39	6,798.69	-86.86	6,799.24	0.00	0.00	0.00
11,200.00	90.11	359.27	4,641.19	6,898.68	-88.14	6,899.24	0.00	0.00	0.00
11,300.00	90.11	359.27	4,641.00	6,998.67	-89.42	6,999.24	0.00	0.00	0.00
11,300.76	90.11	359.27	4,641.00	6,999.43	-89.43	7,000.00	0.00	0.00	0.00
7000'VS Start DLS 1.50 TFO -180.00 - 7000'VS - Torino 4-33 3H									
11,312.01	89.94	359.27	4,640.99	7,010.68	-89.57	7,011.25	1.50	-1.50	0.00
89.94° at 11312.01 MD									
11,400.00	89.94	359.27	4,641.08	7,098.66	-90.70	7,099.24	0.00	0.00	0.00
11,500.00	89.94	359.27	4,641.19	7,198.65	-91.98	7,199.24	0.00	0.00	0.00
11,600.00	89.94	359.27	4,641.29	7,298.65	-93.26	7,299.24	0.00	0.00	0.00
11,700.00	89.94	359.27	4,641.39	7,398.64	-94.54	7,399.24	0.00	0.00	0.00
11,800.00	89.94	359.27	4,641.49	7,498.63	-95.83	7,499.24	0.00	0.00	0.00
11,900.00	89.94	359.27	4,641.59	7,598.62	-97.11	7,599.24	0.00	0.00	0.00
12,000.00	89.94	359.27	4,641.69	7,698.61	-98.39	7,699.24	0.00	0.00	0.00
12,100.00	89.94	359.27	4,641.80	7,798.60	-99.67	7,799.24	0.00	0.00	0.00
12,200.00	89.94	359.27	4,641.90	7,898.60	-100.95	7,899.24	0.00	0.00	0.00
12,300.00	89.94	359.27	4,642.00	7,998.59	-102.23	7,999.24	0.00	0.00	0.00
12,300.76	89.94	359.27	4,642.00	7,999.35	-102.24	8,000.00	0.00	0.00	0.00
8000'VS Start DLS 1.50 TFO 177.92 - 8000'VS - Torino 4-33 3H									
12,315.74	89.72	359.28	4,642.04	8,014.33	-102.43	8,014.98	1.50	-1.50	0.06
89.72° at 12315.74 MD									
12,315.75	89.72	359.28	4,642.04	8,014.33	-102.43	8,014.99	1.50	-1.50	0.06
12,400.00	89.72	359.28	4,642.46	8,098.58	-103.50	8,099.24	0.00	0.00	0.00
12,500.00	89.72	359.28	4,642.95	8,198.57	-104.76	8,199.24	0.00	0.00	0.00
12,600.00	89.72	359.28	4,643.45	8,298.56	-106.02	8,299.24	0.00	0.00	0.00
12,700.00	89.72	359.28	4,643.94	8,398.55	-107.29	8,399.24	0.00	0.00	0.00
12,800.00	89.72	359.28	4,644.44	8,498.54	-108.55	8,499.24	0.00	0.00	0.00
12,834.46	89.72	359.28	4,644.61	8,533.00	-108.99	8,533.70	0.00	0.00	0.00
LTP - Torino 4-33 3H									
12,900.00	89.72	359.28	4,644.93	8,598.53	-109.82	8,599.23	0.00	0.00	0.00
12,914.47	89.72	359.28	4,645.00	8,613.00	-110.00	8,613.70	0.00	0.00	0.00
TD at 12914.47 - BHL - Torino 4-33 3H									

Legacy Directional Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
7000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,641.00	6,999.43	-89.43	937,037.43	761,484.57	33.572906	-103.474856
8000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,642.00	7,999.35	-102.24	938,037.35	761,471.76	33.575654	-103.474871
6000'VS - Troino 4-33 3H - plan hits target center - Point	0.00	359.92	4,643.00	5,999.51	-76.62	936,037.51	761,497.38	33.570158	-103.474841
LTP - Torino 4-33 3H - plan misses target center by 0.07usft at 12834.46usft MD (4644.61 TVD, 8533.00 N, -108.99 E) - Point	0.00	359.92	4,644.54	8,533.00	-109.00	938,571.00	761,465.00	33.577121	-103.474879
BHL - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,645.00	8,613.00	-110.00	938,651.00	761,464.00	33.577341	-103.474880
3000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,649.00	2,999.76	-38.19	933,037.76	761,535.81	33.561913	-103.474797
5000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,651.00	4,999.59	-63.81	935,037.59	761,510.19	33.567410	-103.474827
4000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.92	4,654.00	3,999.67	-51.00	934,037.67	761,523.00	33.564661	-103.474812
2000'VS - Torino 4-33 3H - plan hits target center - Point	0.00	359.93	4,655.00	1,999.84	-25.38	932,037.84	761,548.62	33.559165	-103.474782
FTP - Torino 4-33 3H - plan hits target center - Point	0.00	359.93	4,660.00	799.00	-10.00	930,837.00	761,564.00	33.555865	-103.474764

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,195.00	2,195.00	Rustler		0.00		
2,695.00	2,695.00	Yates		0.00		
3,396.00	3,396.00	Queen		0.00		
4,022.84	4,021.00	Grayburg		0.00		
4,146.91	4,138.00	San Andres		0.00		
4,602.26	4,489.00	Pi Marker		0.00		
4,873.38	4,631.00	P1		0.00		

Legacy Directional

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	Riley Permian Operating Co., LLC	TVD Reference:	GL 4285 + 17' KB @ 4302.00usft
Project:	Lea County, NM	MD Reference:	GL 4285 + 17' KB @ 4302.00usft
Site:	Torino 4-33	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,844.51	3,844.51	0.00	0.00	Start Build 8.00
4,407.01	4,350.94	209.75	-2.59	45° at 4407.01 MD
4,607.01	4,492.36	351.16	-4.34	KOP Start DLS 10.00 TFO -0.04
5,059.42	4,660.17	758.69	-9.48	LP 90.24° at 5059.42 MD
5,099.74	4,660.00	799.00	-10.00	FTP at 5099.74 MD
6,300.69	4,655.00	1,999.84	-25.38	2000°VS Start DLS 1.50 TFO 0.12
6,307.90	4,654.96	2,007.05	-25.47	90.34° at 6307.90 MD
7,300.71	4,649.00	2,999.76	-38.19	3000°VS Start DLS 1.50 TFO -179.99
7,343.67	4,648.98	3,042.72	-38.74	89.70° at 7343.67 MD
8,300.71	4,654.00	3,999.67	-51.00	4000°VS Start DLS 1.50 TFO 0.00
8,332.71	4,654.03	4,031.66	-51.41	90.18° at 8332.71 MD
9,300.72	4,651.00	4,999.59	-63.81	5000°VS Start DLS 1.50 TFO 0.00
9,319.49	4,650.90	5,018.35	-64.05	90.46° at 9319.48 MD
10,300.76	4,643.00	5,999.51	-76.62	6000°VS Start DLS 1.50 TFO 180.00
10,324.12	4,642.88	6,022.88	-76.92	90.11° at 10324.12 MD
11,300.76	4,641.00	6,999.43	-89.43	7000°VS Start DLS 1.50 TFO -180.00
11,312.01	4,640.99	7,010.68	-89.57	89.94° at 11312.01 MD
12,300.76	4,642.00	7,999.35	-102.24	8000°VS Start DLS 1.50 TFO 177.92
12,315.74	4,642.04	8,014.33	-102.43	89.72° at 12315.74 MD
12,914.47	4,645.00	8,613.00	-110.00	TD at 12914.47



Azimuths to Grid North
True North -0.47°
Magnetic North 6.27°

Magnetic Field
Strength -48409.4nT
Dip Angle 61.15°
Date 4/6/2020
Model WMM2020

PROJECT DETAILS: Lea County, NM

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONT'S)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



WELL DETAILS: M1

GL 4285 + 17 KB or 4302 00usft - 4285.00
Northing Easting Latitude Longitude
910038.09 761574.09 33.553669 -103.474753

Company: Riley Permian Operating Co., LLC
Field: Lea County, NM
Location: Torino 4-33
Well: 3H
OH
Plan: Plan 1
GL 4285 + 17 KB @ 4302 00usft

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2195.00	2195.00	Rustler
2695.00	2695.00	Yates
3396.00	3396.00	Queen
4021.00	4022.84	Grayburg
4138.00	4146.91	San Andres
4489.00	4602.26	Pi Marker
4631.00	4873.38	P1

DESIGN TARGET DETAILS

Name	TVD	N-S	E-W	Northing	Easting	Latitude	Longitude
7000VS - Torino 4-33 M1	4641.00	6999.43	-89.43	917037.43	761484.57	33.572906	-103.474856
8000VS - Torino 4-33 M1	4642.00	7999.35	-102.24	938037.35	761471.76	33.575654	-103.474871
6000VS - Torino 4-33 M1	4643.00	5999.51	-76.62	916037.51	761497.38	33.570158	-103.474841
LTP - Torino 4-33 M1	4644.54	8533.00	-109.00	938571.00	761465.00	33.577121	-103.474879
11H - Torino 4-33 M1	4645.00	8613.00	-110.00	938651.00	761464.00	33.577341	-103.474880
3000VS - Torino 4-33 M1	4649.00	2999.76	-38.19	933037.76	761535.81	33.561913	-103.474797
5000VS - Torino 4-33 M1	4651.00	4999.59	-63.81	935037.59	761510.19	33.567409	-103.474826
4000VS - Torino 4-33 M1	4654.00	3999.67	-51.00	934037.67	761523.00	33.564661	-103.474811
2000VS - Torino 4-33 M1	4655.00	1999.84	-25.38	932037.84	761548.62	33.559165	-103.474782
FTP - Torino 4-33 M1	4660.00	799.00	-10.00	930837.00	761564.00	33.555865	-103.474764

SECTION DETAILS

Seq	MD	In	At	TVD	N-S	E-W	Deg	Face	VSeat	Target
1	3844.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3844.51	0.00	0.00	3844.51	0.00	0.00	0.00	0.00	0.00	
3	4407.01	45.00	359.29	4361.04	249.78	-2.59	8.00	359.29	249.77	
4	4607.01	45.00	359.29	4402.56	341.16	-4.34	0.00	0.00	341.19	
5	5099.42	90.24	359.27	4661.17	798.60	-9.48	0.00	0.00	798.74	
6	5099.74	90.24	359.27	4661.00	799.00	-10.00	0.00	0.00	799.06	FTP - Torino 4-33 M1
7	6309.09	90.24	359.27	4655.01	1999.44	-25.38	0.00	177.15	249.00	2000VS - Torino 4-33 M1
8	6309.09	90.34	359.27	4654.86	2047.66	-25.47	1.50	0.17	249.22	
9	7501.71	90.34	359.27	4643.00	2999.76	-38.19	0.00	0.00	3043.00	3000VS - Torino 4-33 M1
10	7541.67	90.34	359.27	4648.98	3442.72	-38.74	1.50	-184.00	3442.97	
11	8332.71	90.34	359.27	4654.00	3999.67	-51.00	0.00	0.00	4000.00	4000VS - Torino 4-33 M1
12	8332.71	90.18	359.27	4654.03	4031.66	-51.41	1.50	0.00	4031.90	
13	8332.72	90.18	359.27	4651.00	4099.59	-63.81	0.00	0.00	4099.00	5000VS - Torino 4-33 M1
14	9189.46	90.46	359.27	4650.00	5018.55	-64.00	1.50	0.00	5018.76	
15	10340.76	90.46	359.27	4641.00	5999.51	-76.62	0.00	0.00	6000.00	6000VS - Torino 4-33 M1
16	10342.12	90.11	359.27	4642.88	6022.47	-76.92	1.50	180.00	6023.17	
17	11304.76	90.11	359.27	4641.00	6999.43	-89.43	0.00	0.00	7000.00	7000VS - Torino 4-33 M1
18	11312.01	89.94	359.27	4640.99	7480.68	-89.97	1.50	-180.00	7481.25	
19	12304.76	89.94	359.27	4642.00	7999.35	-102.24	0.00	0.00	8000.00	8000VS - Torino 4-33 M1
20	12315.76	89.72	359.28	4642.04	8084.33	-102.43	1.50	177.55	8084.99	
21	12914.47	89.72	359.28	4645.00	8613.00	-110.00	0.00	0.00	8613.00	11H - Torino 4-33 M1

