

**CASE NOS. 20596 AND 20597**

**APPLICATIONS OF TAP ROCK RESOURCES, LLC FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

EXHIBITS

1. Landman's Affidavit
2. Geologist's Affidavit
3. Affidavit of Notice
4. Affidavit of Publication
5. Pooling Checklists
6. Applications and Proposed Ads

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

**APPLICATION OF TAP ROCK OPERATING, LLC  
FOR A STANDARD HORIZONTAL SPACING  
AND PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**Case Nos. 20596 & 20597**

**AFFIDAVIT OF ERICA HIXSON**

I, being duly sworn on oath, state the following:

1. I am over the age of eighteen years and have the capacity to execute this Affidavit, which is based on my personal knowledge.
2. I am employed as a Landman with Tap Rock Operating, LLC ("Tap Rock"), and I am familiar with the subject application and the lands involved.
3. This affidavit is submitted in connection with the filing by Tap Rock of the above-referenced compulsory pooling applications pursuant to 19.15.4.12.A(1) NMAC.
4. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
5. The purpose of this application is to force pool working interest owners into the horizontal spacing units ("HSUs") described below, and in the wells to be drilled in the units.
6. No opposition is expected. EOG Resources, Inc. ("EOG") and MRC Permian Company ("MRC") were contacted regarding the proposed well and have each entered an appearance in these cases. Tap Rock continues to work toward a voluntary agreement with both EOG and MRC.

EXHIBIT /

7. Tap Rock seeks an order pooling all mineral interests in the Pitchfork Ranch; Wolfcamp Pool, Code #50375 underlying the W/2E/2 & E/2E/2 of Section 34, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. The proposed 160-acre spacing units will be dedicated to the **Frightened Turtle Fed Com #133H and Frightened Turtle Fee #134H** wells, respectively, as the defining wells for the units.

8. A proposed C-102 for each well is attached as **Exhibit 1A and Exhibit 1B**. The wells will develop the Pitchfork Ranch; Wolfcamp; Pool code [50375], which is an oil pool.

9. The proposed surface hole location of the **Frightened Turtle Fed Com #133H well** is approximately 316' FSL and 1235' FEL of Section 34. The proposed bottom hole location is approximately 30' FNL and 2309' FEL of Section 34. The proposed total vertical depth is 12,445'. The first take point will be located at approximately 100' FSL and 2309' FEL of Section 34 and the last take point will be located at approximately 100' FNL and 2309' FEL of Section 34. The proposed surface hole location of the **Frightened Turtle Fee #134H well** is approximately 341' FSL and 1235' FEL of Section 34. The proposed bottom hole location is approximately 30' FNL and 331' FEL of Section 34. The proposed total vertical depth is 12,500'. The first take point will be located at approximately 100' FSL and 331' FEL of Section 34 and the last take point will be located at approximately 100' FNL and 331' FEL of Section 34.

10. A tract map containing the composition of each of the HSUs is attached hereto as **Exhibit 2** and shows that the Frightened Turtle Fed Com #133H HSU is comprised of one Fee lease and one Federal lease and the Frightened Turtle Fee #134H HSU is comprised of two Fee leases.

11. The parties being pooled and the nature of their interest are found in **Exhibit 3A** and **Exhibit 3B** attached hereto. **Exhibit 3A** and **Exhibit 3B** also include information regarding

working interest owners and overriding royalty interest owners. Tap Rock has Fee lease expirations beginning in October 2020.

12. There are no depth severances in the Wolfcamp formation in either of the proposed HSUs.

13. I have conducted a diligent search of the public records in Lea County, New Mexico, where the wells will be located, and conducted phone directory and computer searches to obtain contact information for parties entitled to notification. I mailed all parties well proposals, including an Authorization for Expenditure ("AFE").

14. Tap Rock has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

15. **Exhibit 4A** is a sample proposal letter and the AFE for the proposed **Frightened Turtle Fed Com #133H Well**. **Exhibit 4B** is a sample proposal letter and the AFE for the proposed **Frightened Turtle Fee Com #134H Well**. The estimated cost of each of the wells set forth in the AFE is fair, reasonable, and comparable to the costs of other wells of similar depths and lengths drilled in this area of New Mexico.

16. Tap Rock requests overhead and administrative rates of \$7000/month for drilling a well and \$700/month for a producing well. These rates are fair and comparable to the rates charged by other operators for wells of this type in this area of southeastern New Mexico. Tap Rock requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

17. Tap Rock requests the maximum cost, plus 200% risk charge be assessed against non-consenting working interest owners.

18. Tap Rock requests that it be designated operator of the wells.



19. The Exhibits to this Affidavit were prepared by me, or compiled from Tap Rock's company business records.

20. The granting of this Application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.

21. The foregoing is correct and complete to the best of my knowledge and belief.

FURTHER AFFIANT SAYETH NAUGHT

Erica Hixson  
Erica Hixson

STATE OF COLORADO    )  
  )ss  
COUNTY OF JEFFERSON )

Subscribed to and sworn before me this 21<sup>st</sup> day of January, 2020.

EMILY KASA  
Notary Public  
State of Colorado  
Notary ID # 20184039277  
My Commission Expires 10-04-2022

Emily Kasa  
Notary Public

My Commission expires 10-4-2022.

Tract Map

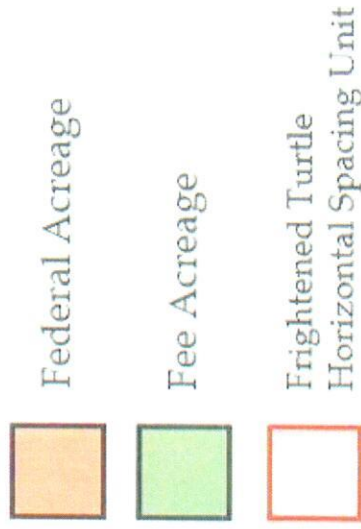


EXHIBIT 1A  
CASE NOS.  
20596 & 20597

Phone (505) 476-3463 Fax (505) 476-3462  
District III  
1100 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

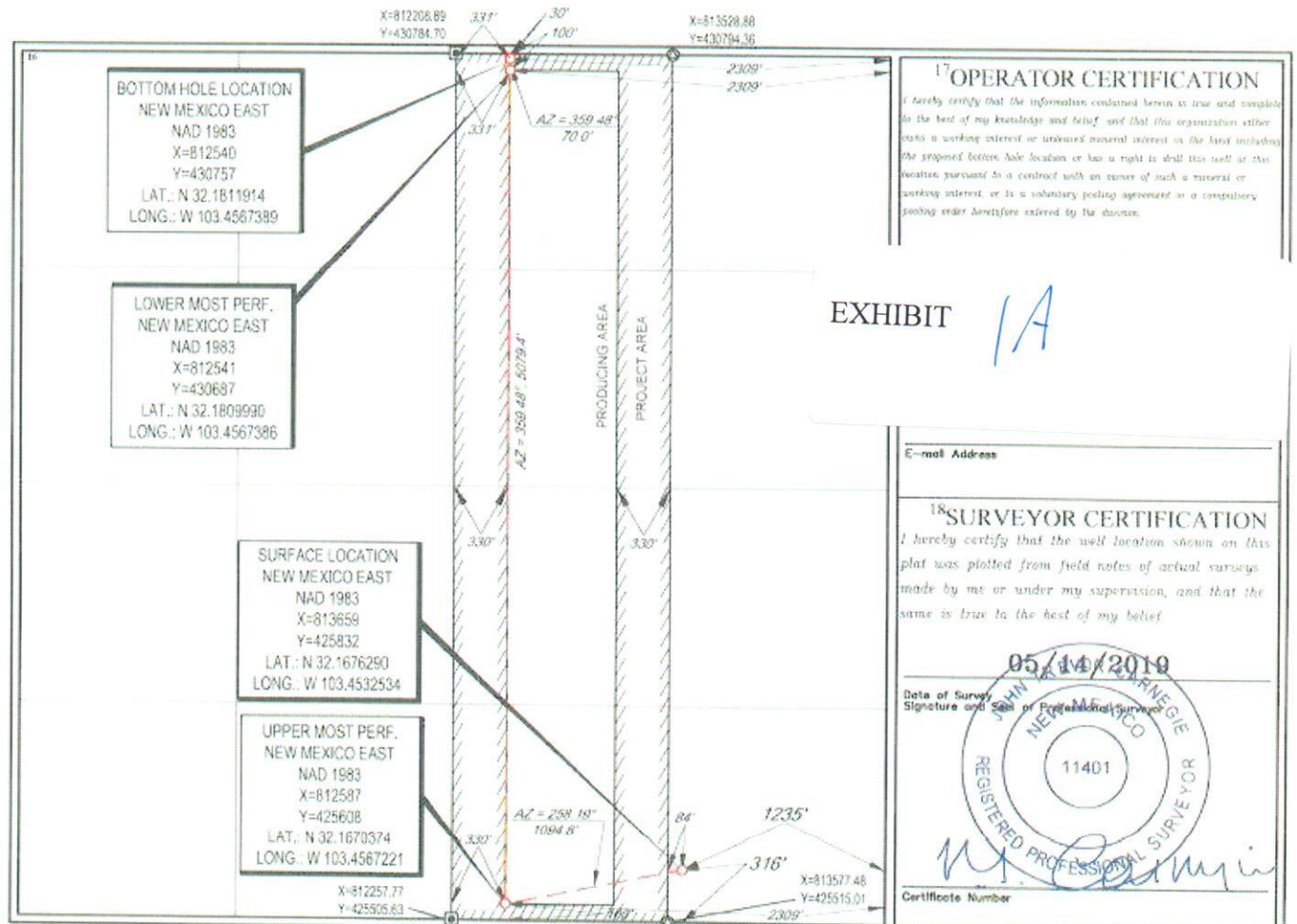
FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
		50375		Pitchfork Ranch; Wolfcamp					
<sup>4</sup> Property Code		<sup>5</sup> Property Name			<sup>6</sup> Well Number				
		FRIGHTENED TURTLE FED COM			133H				
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name			<sup>9</sup> Elevation				
372043		TAP ROCK OPERATING, LLC.			3380'				
<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	24-S	34-E	-	316'	SOUTH	1235'	EAST	LEA
<sup>11</sup> Bottom 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
B	34	24-S	34-E	-	30'	NORTH	2309'	EAST	LEA
<sup>12</sup> Dedicated Acres		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

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



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EXHIBIT 1B  
CASE NOS.  
20596 & 20597

Phone: (505) 748-1281 Fax: (505) 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

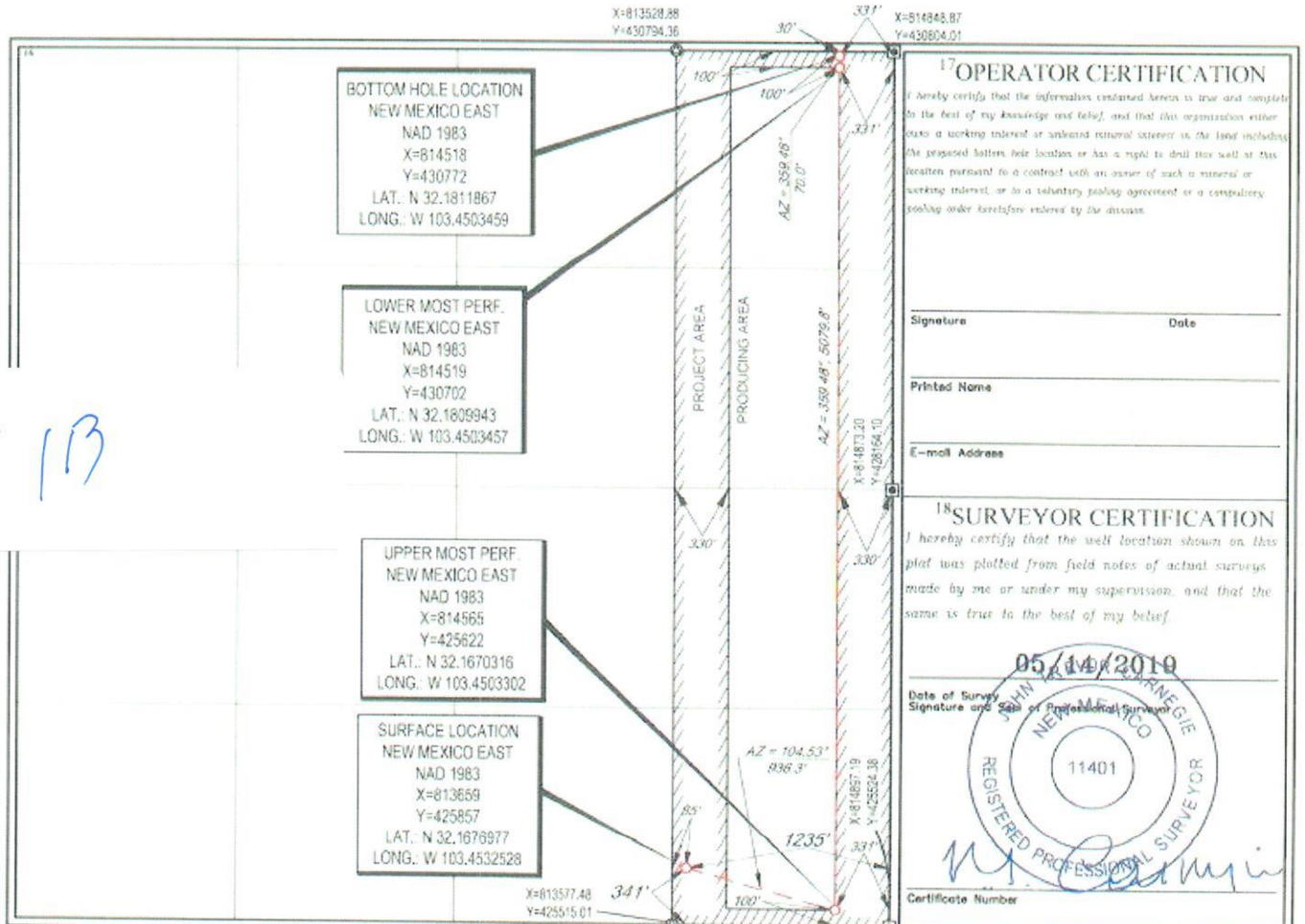
FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46125		<sup>2</sup> Pool Code 50375		<sup>3</sup> Pool Name Pitchfork Ranch, Wolfcamp					
<sup>4</sup> Property Code 325745	<sup>5</sup> Property Name FRIGHTENED TURTLE FEE				<sup>6</sup> Well Number 134H				
<sup>7</sup> OGRID No. 372043	<sup>8</sup> Operator Name TAP ROCK OPERATING, LLC.				<sup>9</sup> Elevation 3380'				
<sup>10</sup> Surface Location									
U.I. or lot no. P	Section 34	Township 24-S	Range 34-E	Lot Idn -	Feet from the 341'	North/South line SOUTH	Feet from the 1235'	East/West line EAST	County LEA
<sup>11</sup> Bottom Hole Location If Different From Surface									
U.I. or lot no. A	Section 34	Township 24-S	Range 34-E	Lot Idn -	Feet from the 30'	North/South line NORTH	Feet from the 331'	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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



EXHIBIT

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W/2E/2 Wolfcamp Unit Interest\*



<b>Party</b>	<b>Interest Type</b>	<b>Working Interest</b>
Tap Rock Resources, LLC	Working Interest	12.499997%
Chief Capital O&G II LLC	Working Interest	1.320000%
Energex Resources Corporation	Working Interest	0.410150%
EOG Resources, Inc.	Uncommitted Working Interest	64.385917%
MRC Permian Company	Uncommitted Working Interest	5.559924%
EOG Y Resources, Inc.	Uncommitted Working Interest	4.470440%
Chisos Mineral, LLC	Unleased Mineral Interest	3.749999%
G. Dan Thompson	Unleased Mineral Interest	1.875000%
COG Operating LLC	Uncommitted Working Interest	1.640625%
EOG A Resources, Inc.	Uncommitted Working Interest	1.490147%
EOG M Resources, Inc.	Uncommitted Working Interest	1.490147%
SVR Oil & Gas LLC	Uncommitted Working Interest	0.410156%
Tilden Capital Minerals, LLC	Unleased Mineral Interest	0.225000%
GGM Exploration, Inc.	Unleased Mineral Interest	0.198000%
EOG Resources Assets	Uncommitted Working Interest	0.142500%
Pegasus Resources, LLC	Unleased Mineral Interest	0.132000%
		Total: 100%

<b>Party</b>	<b>Interest Type</b>
Ozark Royalty Co., LLC	Overriding Royalty Interest
Timothy Brennan	Overriding Royalty Interest
Robert E. Landreth and Donna P. Landreth	Overriding Royalty Interest
Chilmark Properties, LLC	Overriding Royalty Interest
TE-Ray Resources, Inc.	Overriding Royalty Interest

\*final interest subject to division order title verification



E/2E/2 Wolfcamp Unit Interest\*



Party	Interest Type	Working Interest
Tap Rock Resources, LLC	Working Interest	43.749985%
Energen Resources Corporation	Working Interest	0.615225%
Chief Capital O&G II LLC	Working Interest	1.979999%
EOG Resources, Inc.	Uncommitted Working Interest	21.792640%
MRC Permian Company	Uncommitted Working Interest	8.339885%
EOG Y Resources, Inc.	Uncommitted Working Interest	6.705659%
Chisos Mineral, LLC	Unleased Mineral Interest	5.624998%
G. Dan Thompson	Unleased Mineral Interest	2.812499%
COG Operating LLC	Uncommitted Working Interest	2.460937%
EOG A Resources, Inc.	Uncommitted Working Interest	2.235220%
EOG M Resources, Inc.	Uncommitted Working Interest	2.235220%
SVR Oil & Gas LLC	Uncommitted Working Interest	0.615234%
Tilden Capital Minerals, LLC	Unleased Mineral Interest	0.337500%
GGM Exploration, Inc.	Unleased Mineral Interest	0.297000%
Pegasus Resources, LLC	Unleased Mineral Interest	0.198000%
		Total: 100%

Party	Interest Type
Ozark Royalty Co., LLC	Overriding Royalty Interest
Timothy Brennan	Overriding Royalty Interest

\*final interest subject to division order title verification

Tract #	Mineral Ownership Type	Lease Number	Owner
1	Fee	N/A	COG Operating LLC Energen Resources Corporation MRC Permian Company EOG Resources, Inc. Tap Rock Resources, LLC SVR Oil & Gas LLC Tilden Capital Minerals GGM Exploration, Inc. Pegasus Resources, LLC Chief Capital O&G II LLC Chisos Mineral, LLC
2	Federal	NMNM 016138	EOG Resources In EOG Resources Assets
3	Fee	N/A	Tap Rock Resources, LLC
4	Fee	N/A	COG Operating LLC Energen Resources Corporation MRC Permian Company EOG Resources, Inc. Tap Rock Resources, LLC Chisos Mineral, LLC Tilden Capital Minerals GGM Exploration, Inc. Pegasus Resources, LLC Chief Capital O&G II LLC

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Well Name	NonOp Party	Correspondence
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	Chisos Minerals, LLC	4/8/19 - Proposals Rec'd 4/10/19 - Phone call with John Overbey to discuss proposal generally 4/25/19 - John expressed interest in selling, but no deal was struck. 6/20/19 - Notice of Pooling 4/9/19 - Proposals Rec'd 4/11/19 - Mollie McAuliffe requests JOA, we provide 5/8/19 - Mollie requests general information on proposals, (plats, spud dates, completion plans, geoprogs, title, etc.), we provide 6/6/19 - Mindy Conde requests general information on AFEs, we provide 6/20/20 - Notice of Pooling 4/8/19 - Proposals Rec'd 4/15/19-1/28/20 - Trade talks 6/20/19 - Notice of Pooling 1/28/19 - We agree to assign to EOG, closing set for ~Feb 2020 3/11/19 - They accept offer, begin to discuss form: 3/20/19 - Erica sends lease form, but it is not signed and therefore no bonus paid 4/8/19 - Proposals Rec'd 6/20/19 - Notice of pooling 4/8/19 - Proposals Rec'd 6/20/19 - Notice of pooling 6/28/19 - Erica discusses hearings with David Johns 7/1/19 - Nick Weeks inquires about proposals 7/17/19 - Tap Rock agrees to continuance(s) pending a trade resolution 12/1/19 - Present - Trade talks continue 3/11/19 - They accept offer, begin to discuss form: 3/20/19 - Erica sends lease form, but it is not signed and therefore no bonus paid 4/8/19 - Proposals Rec'd 6/20/19 - Notice of pooling 3/11/19 - They accept offer, begin to discuss form: 3/20/19 - Erica sends lease form, but it is not signed and therefore no bonus paid 4/8/19 - Proposals Rec'd 6/20/19 - Notice of pooling
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	COG Operating, LLC	
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	EOG Resources Inc et al	
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	GGM Exploration, Inc.	
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	MRC Permian Company	
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	Pegasus Resources, LLC	
Frightened Turtle Fed Com #133H & Frightened Turtle Fee #134H	Tilden Capital Minerals, LLC	



April 5, 2019

Chief Capital O&G II LLC  
Attn: Lacey Robertson  
8111 Westchester, Suite 900  
Dallas, TX 75225

Sent via Email to lroberson@r-jholdings.com and Certified Mail

Re: Frightened Turtle Fed Com #133H

Ladies and Gentlemen:

Tap Rock Operating, LLC (TRO), as Operator, previously proposed to drill the Frightened Turtle Fed Com #203, #206, #213, and #216 by letter dated 2/13/2019 (the "February Proposal"). TRO's plan with regard to the aforementioned wells has changed as follows.

TRO hereby rescinds the February Proposal and anticipates re-proposing those additional Wolfcamp wells contained in the February Proposal at a later date. TRO now plans to drill and complete the Frightened Turtle Fed Com #133H (the "Well") as the initial well in the Wolfcamp Formation to satisfy lease obligations in a timely manner.

Accordingly, TRO hereby proposes the Well, with an anticipated spud date of March 2020 and an approximate first production date of June 2020.

In connection with the above, please note the following:

- The proposed surface location of the Well is approximately 1225' FEL and 290' FSL of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico. The proposed bottom hole location of the Well is 2310' FEL and 30' FNL of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. TRO plans to drill the Well horizontally at approximately 12,445' Total Vertical Depth to a Total Measured Depth of approximately 17,855', with an approximate lateral length of 4,500'.
- Enclosed is an AFE dated April 4, 2019 that details the total cost to drill and complete the Well. The Well will require a Central Tank Battery. A separate facility AFE is provided for your review. For the purposes of this proposal, an election in the Well is considered an election to participate in the Well's proportionate share of the overall facility cost.

The proposed locations and drilling plans described above are subject to change depending on surface or subsurface issues that may be encountered. TRO will advise you of any such modifications.

EXHIBIT 4A  
CASE NOS.  
20596 & 20597

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TRO is proposing the Operation under the terms of the enclosed AAPL Form 610-1989 Operating Agreement (the "Operating Agreement"). The Operating Agreement covers All Depths for the W/2E/2 of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico (the "Contract Area"). As detailed in Article XVI, the Operating Agreement supersedes existing Operating Agreements insofar as to the Contract Area and only insofar as to wells spud after the effective date of the Operating Agreement. The working interest percentages shown in Exhibit "A" of the Operating Agreement is approximate and subject to change pending title verification.

In the event you elect to participate in the proposed Well, please execute a copy of this letter and the enclosed AFE and return to the undersigned within 30 days. If you do not wish to participate in the Well, TRO would like to offer the following terms for a Lease or Term Assignment, whichever is applicable:

- 3 year primary term
- Royalty or Overriding Royalty equal to the difference between existing burdens and 20%
- \$7,500 per net acre bonus consideration

The Lease or Term Assignment offer is subject to the approval of TRO's board and verification of title.

TRO is open to discuss trades or other deal structures related to your interest in the Well. If an agreement cannot be reached within 30 days of your receipt of this letter, TRO will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the Well if uncommitted at such time to allow TRO to move forward with planning and drilling the Well.

Should you have any questions regarding the above, please contact the undersigned.

Sincerely,

**TAP ROCK OPERATING, LLC**

*Erica Hixson*

**Erica Hixson**

Landman  
Office: 720-460-3316  
[ehixson@taprk.com](mailto:ehixson@taprk.com)

Chief Capital O&G II LLC hereby elects to:

\_\_\_\_\_ participate in the Frightened Turtle Fed Com #133H

\_\_\_\_\_ non-consent the Frightened Turtle Fed Com #133H



**TAP ROCK OPERATING, LLC**  
 602 Park Point Dr, Golden, Colorado 80401  
 Authorization For Expenditure

Name: Frightened Turtle Fed Com #133H  
 AFE #: 0  
 County: Lea  
 State: NM

Date: April 4, 2019  
 MD/TVD: 17855 / 12445  
 Lateral Length: 4960  
 Geologic Target: Wolfcamp A

Well Description: Drill, complete, and equip a horizontal Wolfcamp A well with a 4960 mile lateral.

INTANGIBLE DRILLING COSTS			INTANGIBLE COMPLETION COSTS			INTANGIBLE PRODUCTION COSTS		
COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT
1 1	Land - Legal	10,000	2 1	Land - Legal		3 1	Land - Legal	
1 2	Land - Regulatory	5,000	2 2	Land - Regulatory		3 2	Land - Regulatory	
1 3	Land - Surface Damages	10,000	2 3	Land - Surface Damages		3 3	Land - Surface Damages	
1 4	Land - Survey	10,000	2 4	Land - Survey		3 4	Land - Survey	
1 5	Location/Pit Construction	140,000	2 5	Location/Pit Construction		3 5	Location/Pit Construction	5,000
1 6	Remedial Workover	0	2 6	Remedial Workover		3 6	Remedial Workover	
1 7	Reserve/Frac Pit Closing	0	2 7	Reserve/Frac Pit Closing		3 7	Reserve/Frac Pit Closing	
1 8	Drilling - Contractor	634,344	2 8	Drilling - Contractor		3 8	Drilling - Contractor	
1 9	Mobil/Rig Up - Contractor/Trucking	131,250	2 9	Mobil/Rig Up - Contractor/Trucking		3 9	Mobil/Rig Up - Contractor/Trucking	
1 10	Cementing Services	0	2 10	Cementing Services		3 10	Cementing Services	
1 11	Cementing Equipment	0	2 11	Cementing Equipment		3 11	Cementing Equipment	
1 12	Bit/Dirt Out Assemblies	0	2 12	Bit/Dirt Out Assemblies	50,555	3 12	Bit/Dirt Out Assemblies	
1 13	Fluid Circulation Equipment/Services	201,601	2 13	Fluid Circulation Equipment/Services		3 13	Fluid Circulation Equipment/Services	
1 14	Fluids/Chemicals	163,680	2 14	Fluids/Chemicals	49,812	3 14	Fluids/Chemicals	
1 15	OBM Cuttings/Wastewater Disposal	133,520	2 15	OBM Cuttings/Wastewater Disposal		3 15	OBM Cuttings/Wastewater Disposal	
1 16	OBM Cuttings/Chemical Disposal	41,600	2 16	OBM Cuttings/Chemical Disposal		3 16	OBM Cuttings/Chemical Disposal	
1 17	Fuel/Power	152,118	2 17	Fuel/Power	50,000	3 17	Fuel/Power	
1 18	Water	0	2 18	Water	40,647	3 18	Water	
1 19	Directional Drilling	262,148	2 19	Directional Drilling		3 19	Directional Drilling	
1 20	Mud Logging	26,011	2 20	Mud Logging		3 20	Mud Logging	
1 21	Open/Cased/Production Hole Logs	0	2 21	Open/Cased/Production Hole Logs	10,550	3 21	Open/Cased/Production Hole Logs	
1 22	Coring	0	2 22	Coring		3 22	Coring	
1 23	Geologic Supervision	0	2 23	Geologic Supervision		3 23	Geologic Supervision	
1 24	Engineering Supervision	0	2 24	Engineering Supervision		3 24	Engineering Supervision	
1 25	Consultant Supervision	135,006	2 25	Consultant Supervision	100,000	3 25	Consultant Supervision	20,000
1 26	Freight/Transportation	40,000	2 26	Freight/Transportation	4,110	3 26	Freight/Transportation	10,000
1 27	Labor	0	2 27	Labor	15,000	3 27	Labor	85,000
1 28	Supplies - Surface	4,500	2 28	Supplies - Surface	4,110	3 28	Supplies - Surface	
1 29	Supplies - Living Quarters	1,000	2 29	Supplies - Living Quarters	4,110	3 29	Supplies - Living Quarters	
1 30	Rentals - Surface	97,548	2 30	Rentals - Surface	15,610	3 30	Rentals - Surface	
1 31	Rentals - Living Quarters	48,127	2 31	Rentals - Living Quarters	28,600	3 31	Rentals - Living Quarters	
1 32	Rentals - Downhole	0	2 32	Rentals - Downhole	0	3 32	Rentals - Downhole	
1 33	Rentals - Pipe & Handling Tools	0	2 33	Rentals - Pipe & Handling Tools	0	3 33	Rentals - Pipe & Handling Tools	
1 34	Rentals - Frac Stack		2 34	Rentals - Frac Stack	335,210	3 34	Rentals - Frac Stack	
1 35	Rentals - Frac Tanks		2 35	Rentals - Frac Tanks	49,500	3 35	Rentals - Frac Tanks	
1 36	Coil Tubing Unit/Workover Rig		2 36	Coil Tubing Unit/Workover Rig	207,851	3 36	Coil Tubing Unit/Workover Rig	70,000
1 37	Wireline/Shackline/Perforating		2 37	Wireline/Shackline/Perforating	217,550	3 37	Wireline/Shackline/Perforating	
1 38	Temporary Packers/Plugs		2 38	Temporary Packers/Plugs	37,500	3 38	Temporary Packers/Plugs	
1 39	High Pressure Pump Truck		2 39	High Pressure Pump Truck	100,200	3 39	High Pressure Pump Truck	
1 40	Stimulation		2 40	Stimulation	1,238,254	3 40	Stimulation	
1 41	Rentals - Pressure Control		2 41	Rentals - Pressure Control		3 41	Rentals - Pressure Control	
1 42	Flowback Services		2 42	Flowback Services	95,815	3 42	Flowback Services	
1 43	Water Transfer Services		2 43	Water Transfer Services	105,815	3 43	Water Transfer Services	
1 44	Flowback Water Trucking & Disposal		2 44	Flowback Water Trucking & Disposal	141,712	3 44	Flowback Water Trucking & Disposal	
1 45	Permanent Equipment Installation		2 45	Permanent Equipment Installation		3 45	Permanent Equipment Installation	
1 46	Pipeline Tapping Services		2 46	Pipeline Tapping Services		3 46	Pipeline Tapping Services	
1 47	Plugging & Abandonment	0	2 47	Plugging & Abandonment		3 47	Plugging & Abandonment	
1 51	Overhead	14,512	2 51	Overhead	22,255	3 51	Overhead	5,000
1 55	Insurance	50,199	2 55	Insurance		3 55	Insurance	
1 56	Contingency	106,587	2 56	Contingency	182,063	3 56	Contingency	10,000
<b>TOTAL INTANGIBLE DRILLING COSTS: \$2,238,221</b>			<b>TOTAL INTANGIBLE COMPLETION COSTS: \$3,731,001</b>			<b>TOTAL INTANGIBLE PRODUCTION COSTS: \$214,500</b>		

TANGIBLE DRILLING COSTS			TANGIBLE COMPLETION COSTS			TANGIBLE PRODUCTION COSTS		
COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT
4 60	Conductor Casing	0	5 60	Conductor Casing		6 60	Conductor Casing	
4 61	Surface Casing	43,999	5 61	Surface Casing		6 61	Surface Casing	
4 62	1st Intermediate Casing	155,263	5 62	1st Intermediate Casing		6 62	1st Intermediate Casing	
4 63	2nd Intermediate Casing	241,954	5 63	2nd Intermediate Casing		6 63	2nd Intermediate Casing	
4 64	Production Casing	332,903	5 64	Production Casing	22,900	6 64	Production Casing	
4 65	Tubing		5 65	Tubing		6 65	Tubing	50,000
4 66	Wellhead	0	5 66	Wellhead	40,000	6 66	Wellhead	43,500
4 67	Permanent Packers/Hangers/Plugs		5 67	Permanent Packers/Hangers/Plugs		6 67	Permanent Packers/Hangers/Plugs	5,000
4 68	Tanks		5 68	Tanks		6 68	Tanks	
4 69	Production Vessels		5 69	Production Vessels		6 69	Production Vessels	42,000
4 70	Compressors		5 70	Compressors		6 70	Compressors	
4 71	Surface Flowlines		5 71	Surface Flowlines		6 71	Surface Flowlines	20,000
4 72	Gathering Lines		5 72	Gathering Lines		6 72	Gathering Lines	20,000
4 73	Valves & Controllers		5 73	Valves & Controllers		6 73	Valves & Controllers	
4 74	Artificial Lift Equipment		5 74	Artificial Lift Equipment		6 74	Artificial Lift Equipment	15,000
4 75	Instrumentation & Measurement		5 75	Instrumentation & Measurement		6 75	Instrumentation & Measurement	
4 76	Electrical Grounding/Safety Equipment		5 76	Electrical Grounding/Safety Equipment		6 76	Electrical Grounding/Safety Equipment	
4 77	Permanent Equipment Installation		5 77	Permanent Equipment Installation		6 77	Permanent Equipment Installation	
4 80	Other - Surface		5 80	Other - Surface		6 80	Other - Surface	
4 81	Other - Downhole		5 81	Other - Downhole		6 81	Other - Downhole	
<b>TOTAL TANGIBLE DRILLING COSTS: \$826,279</b>			<b>TOTAL TANGIBLE COMPLETION COSTS: \$62,500</b>			<b>TOTAL TANGIBLE PRODUCTION COSTS: \$285,500</b>		
<b>TOTAL DRILLING COSTS: \$3,115,000</b>			<b>TOTAL COMPLETION COSTS: \$3,794,401</b>			<b>TOTAL PRODUCTION COSTS: \$506,000</b>		
<b>TOTAL WELL COST: \$7,409,401</b>								

TAP ROCK RESOURCES COMPANY APPROVAL:

CEO \_\_\_\_\_ VP - EXPLORATION \_\_\_\_\_  
 CFO \_\_\_\_\_ VP - OPERATIONS \_\_\_\_\_  
 VP - ENG & LEGAL \_\_\_\_\_ SENIOR GEOLOGIST \_\_\_\_\_

NON OPERATING PARTNER APPROVAL:

COMPANY NAME: \_\_\_\_\_  
 SIGNIFY BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 WORKING INTEREST (%): \_\_\_\_\_ DATE: \_\_\_\_\_  
 TAX ID: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

AFE is an estimate only. By signing this AFE, you agree to pay your proportionate share of the actual costs.

M



**TAP ROCK OPERATING, LLC**  
 602 Park Point Dr, Golden, Colorado 80401  
 Authorization For Expenditure

Name: Frightened Turtle Fed Com #131 Facility  
 A/E/R: O  
 Field: O  
 County: Lea  
 State: NM

Date: April 3, 2019  
 MD/TVD: 0 / 0  
 Lateral Length: 0  
 Geologic Target: Wolfcamp

Description:

INTANGIBLE FACILITY COSTS		
UNIT CODES	DESCRIPTION	AMOUNT
3 1	Land - Legal	
3 2	Land - Regulatory	
3 3	Land - Surface Damages	
3 4	Land - Survey	
3 5	Location Construction	150,000
3 6	Remedial Work	
3 7	Reserve/Frac Plc Closing	
3 8	Drilling - Contractor	
3 9	Mud/Mig Up - Contractor/Trucking	
3 10	Cementing Services	
3 11	Cementing Equipment	
3 12	Bit/DBH Out Assemblies	
3 13	Fluid Circulation Equipment/Services	
3 14	Fluids/Chemicals	
3 15	WBM Cuttings/Wastewater Disposal	
3 16	OBM Cuttings/Chemical Disposal	
3 17	Fuel/Power	
3 18	Water	
3 19	Directional Drilling	
3 20	Mud Logging	
3 21	Open/Cased/Halfway Hole Logs	
3 22	Coring	
3 23	Geologic Supervision	
3 24	Engineering Supervision	5,000
3 25	Consultant Supervision	20,000
3 26	Freight/Transportation	60,000
3 27	Labor	140,000
3 28	Supplies - Surface	
3 29	Supplies - Living Quarters	
3 30	Rentals - Surface	54,000
3 31	Rentals - Living Quarters	
3 32	Rentals - Downhole	
3 33	Rentals - Pipe & Handling Tools	
3 34	Rentals - Frac Stack	
3 35	Rentals - Frac Tanks	
3 36	Coil Tubing Unit/Workover Rig	
3 37	Wireline/Slickline/Perforating	
3 38	Temporary Packers/Plugs	
3 39	High Pressure Pump Truck	
3 40	Stimulation	
3 41	Rentals - Pressure Control	
3 42	Flowback Services	
3 43	Water Transfer Services	
3 44	Flowback Water Trucking & Disposal	
3 45	Permanent Equipment Installation	
3 46	Pipeline Tapping Services	
3 47	Plugging & Abandonment	
3 51	Overhead	0
3 52	Insurance	
3 55	Contingency	41,500
<b>TOTAL INTANGIBLE FACILITY COSTS:</b>		<b>\$456,500</b>

TANGIBLE FACILITY COSTS		
UNIT CODES	DESCRIPTION	AMOUNT
6 40	Conductor Casing	
6 41	Surface Casing	
6 42	1st Intermediate Casing	
6 43	2nd Intermediate Casing	
6 44	Facility Casing	
6 45	Tubing	
6 46	Wellhead	0
6 47	Permanent Packers/Hangers/Plugs	
6 48	Tanks	131,000
6 49	Facility Vessels	70,000
6 50	Compressors	
6 51	Surface Flowlines	15,000
6 52	Gathering Lines/WO Lines	50,000
6 53	Valves & Controllers	50,000
6 54	Artificial Lift Equipment	0
6 55	Instrumentation & Measurement	87,500
6 56	Electrical Grounding/Safety Equipment	18,000
6 57	Permanent Equipment Installation	122,000
6 60	Other - Surface	
6 61	Other - Downhole	
<b>TOTAL TANGIBLE FACILITY COSTS:</b>		<b>\$553,500</b>

Total Facility Cost \$1,010,000

TAP ROCK RESOURCES COMPANY APPROVAL:

NON-OPERATING PARTNER APPROVAL:

CEO \_\_\_\_\_ VP - EXPLORATION \_\_\_\_\_  
 CEO \_\_\_\_\_ VP - OPERATIONS \_\_\_\_\_  
 VP - LEGAL \_\_\_\_\_ VICE-PRESIDENT \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_  
 SIGNED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 WORKING INTEREST (S): \_\_\_\_\_ DATE: \_\_\_\_\_  
 TAX ID: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

A/E is an estimate only. By signing this A/E, you agree to pay your proportionate share of the actual costs.

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April 5, 2019

Chief Capital O&G II LLC  
Attn: Lacey Robertson  
8111 Westchester, Suite 900  
Dallas, TX 75225

Sent via Email to lroberson@r-jholdings.com and Certified Mail

Re: Frightened Turtle Fee #134H

Ladies and Gentlemen:

Tap Rock Operating, LLC (TRO), as Operator, previously proposed to drill the Frightened Turtle Fee #204H, #208H, #214H, and #218H by letter dated 2/13/2019 (the "February Proposal"). TRO's plan with regard to the aforementioned wells has changed as follows.

TRO hereby rescinds the February Proposal and anticipates re-proposing those additional Wolfcamp wells contained in the February Proposal at a later date. TRO now plans to drill and complete the Frightened Turtle Fee #134H (the "Well") as the initial well in the Wolfcamp Formation to satisfy lease obligations in a timely manner.

Accordingly, TRO hereby proposes the Well, with an anticipated spud date of March 2020 and an approximate first production date of June 2020.

In connection with the above, please note the following:

- The proposed surface location of the Well is approximately 1195' FEL and 290' FSL of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico. The proposed bottom hole location of the Well is 330' FEL and 30' FNL of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. TRO plans to drill the Well horizontally at approximately 12,500' Total Vertical Depth to a Total Measured Depth of approximately 17,910', with an approximate lateral length of 4,500'.
- Enclosed is an AFE dated April 4, 2019 that details the total cost to drill and complete the Well. The Well will require a Central Tank Battery. A separate facility AFE is provided for your review. For the purposes of this proposal, an election in the Well is considered an election to participate in the Well's proportionate share of the overall facility cost.

The proposed locations and drilling plans described above are subject to change depending on surface or subsurface issues that may be encountered. TRO will advise you of any such modifications.

EXHIBIT 4B  
CASE NOS.  
20596 & 20597

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TRO is proposing the Operation under the terms of the enclosed AAPL Form 610-1989 Operating Agreement (the "Operating Agreement"). The Operating Agreement covers All Depths for the E/2E/2 of Section 34, Township 24 South, Range 34 East, Lea County, New Mexico (the "Contract Area"). As detailed in Article XVI, the Operating Agreement supersedes existing Operating Agreements insofar as to the Contract Area and only insofar as to wells spud after the effective date of the Operating Agreement. The working interest percentages shown in Exhibit "A" of the Operating Agreement are approximate and subject to change pending title verification.

In the event you elect to participate in the proposed Well, please execute a copy of this letter and the enclosed AFE and return to the undersigned within 30 days. If you do not wish to participate in the Well, TRO would like to offer the following terms for a Lease or Term Assignment, whichever is applicable:

- 3 year primary term
- Royalty or Overriding Royalty equal to the difference between existing burdens and 20%
- \$7,500 per net acre bonus consideration

The Lease or Term Assignment offer is subject to the approval of TRO's board and verification of title.

TRO is open to discuss trades or other deal structures related to your interest in the Well. If an agreement cannot be reached within 30 days of your receipt of this letter, TRO will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the Well if uncommitted at such time to allow TRO to move forward with planning and drilling the Well.

Should you have any questions regarding the above, please contact the undersigned.

Sincerely,

**TAP ROCK OPERATING, LLC**

*Erica Hixson*

**Erica Hixson**

Landman  
Office: 720-460-3316  
[ehixson@taprk.com](mailto:ehixson@taprk.com)

Chief Capital O&G II LLC hereby elects to:

\_\_\_\_\_ participate in the Frightened Turtle Fee #134H

\_\_\_\_\_ non-consent the Frightened Turtle Fee #134H



**TAP ROCK OPERATING, LLC**  
 602 Park Point Dr, Golden, Colorado 80401  
 Authorization For Expenditure

Name: Frigates/Turtle Fee #14H  
 AFE #: 0  
 County: Lea  
 State: NM

Date: April 4, 2019  
 MD/TVD: 17910 / 12500  
 Lateral Length: 4960  
 Geologic Target: Wolfcamp A

Well Description: Drill, complete, and equip a horizontal Wolfcamp A well with a 4960 mile lateral

INTANGIBLE DRILLING COSTS			INTANGIBLE COMPLETION COSTS			INTANGIBLE PRODUCTION COSTS		
COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT
1 1	Land - Legal	10,000	2 1	Land - Legal		4 1	Land - Legal	
1 2	Land - Regulatory	5,000	2 2	Land - Regulatory		4 2	Land - Regulatory	
1 3	Land - Surface Damages	20,000	2 3	Land - Surface Damages		4 3	Land - Surface Damages	
1 4	Land - Survey	10,000	2 4	Land - Survey		4 4	Land - Survey	
1 5	Location/Pit Construction	140,000	2 5	Location/Pit Construction		4 5	Location/Pit Construction	5,000
1 6	Remedial Network	0	2 6	Remedial Network		4 6	Remedial Network	
1 7	Reserve/Frac Pit Closing	0	2 7	Reserve/Frac Pit Closing		4 7	Reserve/Frac Pit Closing	
1 8	Drilling - Contractor	67,082	2 8	Drilling - Contractor		4 8	Drilling - Contractor	
1 9	Mob/Rig Up - Contractor/Trucking	125,250	2 9	Mob/Rig Up - Contractor/Trucking		4 9	Mob/Rig Up - Contractor/Trucking	
1 10	Cementing Services	0	2 10	Cementing Services		4 10	Cementing Services	
1 11	Cementing Equipment	0	2 11	Cementing Equipment		4 11	Cementing Equipment	
1 12	Rts/Drill Out Assemblies	0	2 12	Rts/Drill Out Assemblies	55,518	4 12	Rts/Drill Out Assemblies	
1 13	Fluid Circulation Equipment/Services	104,882	2 13	Fluid Circulation Equipment/Services		4 13	Fluid Circulation Equipment/Services	
1 14	Fluids/Chemicals	163,680	2 14	Fluids/Chemicals	18,833	4 14	Fluids/Chemicals	
1 15	OBM Cuttings/Wastewater Disposal	183,940	2 15	OBM Cuttings/Wastewater Disposal		4 15	OBM Cuttings/Wastewater Disposal	
1 16	OBM Cuttings/Chemical Disposal	80,940	2 16	OBM Cuttings/Chemical Disposal		4 16	OBM Cuttings/Chemical Disposal	
1 17	Fuel/Power	189,868	2 17	Fuel/Power	335,000	4 17	Fuel/Power	
1 18	Water	0	2 18	Water	493,453	4 18	Water	
1 19	Directional Drilling	262,723	2 19	Directional Drilling		4 19	Directional Drilling	
1 20	Mud Logging	25,960	2 20	Mud Logging		4 20	Mud Logging	
1 21	Open/Case/Production Hole Logs	0	2 21	Open/Case/Production Hole Logs	10,550	4 21	Open/Case/Production Hole Logs	
1 22	Coring	0	2 22	Coring		4 22	Coring	
1 23	Geologic Supervision	0	2 23	Geologic Supervision		4 23	Geologic Supervision	
1 24	Engineering Supervision	0	2 24	Engineering Supervision		4 24	Engineering Supervision	
1 25	Consultant Supervision	134,881	2 25	Consultant Supervision	200,000	4 25	Consultant Supervision	10,000
1 26	Freight/Transportation	20,000	2 26	Freight/Transportation	4,302	4 26	Freight/Transportation	10,000
1 27	Labor	0	2 27	Labor	15,443	4 27	Labor	85,000
1 28	Supplies - Surface	2,000	2 28	Supplies - Surface	3,510	4 28	Supplies - Surface	
1 29	Supplies - Living Quarters	2,000	2 29	Supplies - Living Quarters	3,510	4 29	Supplies - Living Quarters	
1 30	Rentals - Surface	13,426	2 30	Rentals - Surface	35,830	4 30	Rentals - Surface	
1 31	Rentals - Living Quarters	14,400	2 31	Rentals - Living Quarters	48,893	4 31	Rentals - Living Quarters	
1 32	Rentals - Downhole	0	2 32	Rentals - Downhole	0	4 32	Rentals - Downhole	
1 33	Rentals - Pipe & Handling Tools	0	2 33	Rentals - Pipe & Handling Tools	0	4 33	Rentals - Pipe & Handling Tools	
1 34	Rentals - Frac Stack		2 34	Rentals - Frac Stack	115,200	4 34	Rentals - Frac Stack	
1 35	Rentals - Frac Tanks		2 35	Rentals - Frac Tanks	89,500	4 35	Rentals - Frac Tanks	
1 36	Coil Tubing Unit/Workover Rig		2 36	Coil Tubing Unit/Workover Rig	102,850	4 36	Coil Tubing Unit/Workover Rig	30,000
1 37	Wireline/Slickline/Perforating		2 37	Wireline/Slickline/Perforating	25,500	4 37	Wireline/Slickline/Perforating	
1 38	Temporary Packers/Plugs		2 38	Temporary Packers/Plugs	47,000	4 38	Temporary Packers/Plugs	
1 39	High Pressure Pump Truck		2 39	High Pressure Pump Truck	102,000	4 39	High Pressure Pump Truck	
1 40	Stimulation		2 40	Stimulation	1,298,295	4 40	Stimulation	
1 41	Rentals - Pressure Control		2 41	Rentals - Pressure Control		4 41	Rentals - Pressure Control	
1 42	Flowback Services		2 42	Flowback Services	76,870	4 42	Flowback Services	
1 43	Water Transfer Services		2 43	Water Transfer Services	109,870	4 43	Water Transfer Services	
1 44	Flowback Water Trucking & Disposal		2 44	Flowback Water Trucking & Disposal	135,710	4 44	Flowback Water Trucking & Disposal	
1 45	Permanent Equipment Installation		2 45	Permanent Equipment Installation		4 45	Permanent Equipment Installation	
1 46	Pipeline Tapping Services		2 46	Pipeline Tapping Services		4 46	Pipeline Tapping Services	
1 47	Plugging & Abandonment	0	2 47	Plugging & Abandonment		4 47	Plugging & Abandonment	
1 51	Overhead	12,587	2 51	Overhead	32,155	4 51	Overhead	5,000
1 54	Insurance	32,238	2 54	Insurance		4 54	Insurance	
1 55	Contingency	106,443	2 55	Contingency	482,800	4 55	Contingency	19,500
<b>TOTAL INTANGIBLE DRILLING COSTS: \$2,235,434</b>			<b>TOTAL INTANGIBLE COMPLETION COSTS: \$3,732,901</b>			<b>TOTAL INTANGIBLE PRODUCTION COSTS: \$214,530</b>		

TANGIBLE DRILLING COSTS			TANGIBLE COMPLETION COSTS			TANGIBLE PRODUCTION COSTS		
COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT	COST CODES	DESCRIPTION	AMOUNT
4 60	Conductor Casing	0	5 60	Conductor Casing		6 60	Conductor Casing	
4 61	Surface Casing	42,500	5 61	Surface Casing		6 61	Surface Casing	
4 62	1st Intermediate Casing	15,263	5 62	1st Intermediate Casing		6 62	1st Intermediate Casing	
4 63	2nd Intermediate Casing	89,210	5 63	2nd Intermediate Casing		6 63	2nd Intermediate Casing	
4 64	Production Casing	333,995	5 64	Production Casing	22,500	6 64	Production Casing	
4 65	Tubing		5 65	Tubing		6 65	Tubing	60,000
4 66	Wellhead	0	5 66	Wellhead	40,000	6 66	Wellhead	43,500
4 67	Permanent Packers/Hangers/Plugs		5 67	Permanent Packers/Hangers/Plugs		6 67	Permanent Packers/Hangers/Plugs	5,000
4 68	Tanks		5 68	Tanks		6 68	Tanks	
4 69	Production Vessels		5 69	Production Vessels		6 69	Production Vessels	82,000
4 70	Compressors		5 70	Compressors		6 70	Compressors	
4 71	Surface Flowlines		5 71	Surface Flowlines		6 71	Surface Flowlines	50,000
4 72	Gathering Lines		5 72	Gathering Lines		6 72	Gathering Lines	10,000
4 73	Valves & Controllers		5 73	Valves & Controllers		6 73	Valves & Controllers	
4 74	Artificial Lift Equipment		5 74	Artificial Lift Equipment		6 74	Artificial Lift Equipment	45,000
4 75	Instrumentation & Measurement		5 75	Instrumentation & Measurement		6 75	Instrumentation & Measurement	
4 76	Electrical Grounding/Safety Equipment		5 76	Electrical Grounding/Safety Equipment		6 76	Electrical Grounding/Safety Equipment	
4 77	Permanent Equipment Installation		5 77	Permanent Equipment Installation		6 77	Permanent Equipment Installation	
4 80	Other - Surface		5 80	Other - Surface		6 80	Other - Surface	
4 81	Other - Downhole		5 81	Other - Downhole		6 81	Other - Downhole	
<b>TOTAL TANGIBLE DRILLING COSTS: \$829,586</b>			<b>TOTAL TANGIBLE COMPLETION COSTS: \$62,500</b>			<b>TOTAL TANGIBLE PRODUCTION COSTS: \$285,500</b>		
<b>TOTAL DRILLING COSTS: \$3,115,000</b>			<b>TOTAL COMPLETION COSTS: \$3,795,401</b>			<b>TOTAL PRODUCTION COSTS: \$500,000</b>		
<b>TOTAL WELL COST: \$7,409,401</b>								

TAP ROCK RESOURCES COMPANY APPROVAL:

NON OPERATING PARTNER APPROVAL:

CEO: \_\_\_\_\_ VP - EXPLORATION: \_\_\_\_\_

COMPL: \_\_\_\_\_

CEO: \_\_\_\_\_ VP - OPERATIONS: \_\_\_\_\_

SIGNED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

VP - FISCAL LEGAL: \_\_\_\_\_ SENIOR ACCOUNTANT: \_\_\_\_\_

WORKING INTEREST(S): \_\_\_\_\_ DATE: \_\_\_\_\_

TAX ID: \_\_\_\_\_ RFR12232

AFE is an estimate only. By signing this AFE, you agree to pay your proportionate share of the actual costs.

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**TAP ROCK OPERATING, LLC**  
 602 Park Point Dr, Golden, Colorado 80401  
 Authorization For Expenditure

Name: Frightened Turtle Fee #134 Facility  
 AFE #: 0  
 Field: 0  
 County: Las  
 State: NM

Date: April 1, 2019  
 MD/TVD: 0 / 0  
 Lateral Length: 0  
 Geologic Target: Wolfcamp

Description:

INTANGIBLE FACILITY COSTS			
CO#	CO#S	DESCRIPTION	AMOUNT
1	1	Land - Legal	
1	2	Land - Regulatory	
1	3	Land - Surface Damages	
1	4	Land - Survey	
1	5	Location Construction	193,000
1	6	Remedial/Decontam	
1	7	Reserve/Frac Pit Closing	
1	8	Drilling - Contractor	
1	9	Mob/Rig Up - Contractor/Trucking	
1	10	Cementing Services	
1	11	Lifting Equipment	
1	12	Bits/Drill Out Assemblies	
1	13	Fluid Circulation Equipment/Services	
1	14	Fluids/Chemicals	
1	15	WBM Cuttings/Wastewater Disposal	
1	16	OBM Cuttings/Chemical Disposal	
1	17	Fuel/Power	
1	18	Water	
1	19	Directional Drilling	
1	20	Mud Logging	
1	21	Open/Cased/Facility Hole Logs	
1	22	Logging	
1	23	Geologic Supervision	
1	24	Engineering Supervision	5,000
1	25	Constant Supervisor	20,000
1	26	Freight/Transportation	60,000
1	27	Labor	140,000
1	28	Supplies - Surface	
1	29	Supplies - Living Quarters	
1	30	Rentals - Surface	58,000
1	31	Rentals - Living Quarters	
1	32	Rentals - Dismantle	
1	33	Rentals - Pipe & Handling Tools	
1	34	Rentals - Frac Stack	
1	35	Rentals - Frac Tanks	
1	36	Coil Tubing Unit/Workover Rig	
1	37	Winches/Sheaves/Perforating	
1	38	Temporary Packers/Plugs	
1	39	High Pressure Pump Truck	
1	40	Stimulation	
1	41	Rentals - Pressure Control	
1	42	Flowback Services	
1	43	Water Transfer Services	
1	44	Flowback Water Trucking & Disposal	
1	45	Permanent Equipment Installation	
1	46	Pipeline Tapping Services	
1	47	Plugging & Abandonment	
1	51	Overhead	0
1	54	Insurance	
1	55	Contingency	41,500
<b>TOTAL INTANGIBLE FACILITY COSTS:</b>			<b>\$456,500</b>

TANGIBLE FACILITY COSTS			
CO#	CO#S	DESCRIPTION	AMOUNT
1	10	Conductor Casing	
1	11	Surface Casing	
1	12	1st Intermediate Casing	
1	13	2nd Intermediate Casing	
1	14	Facility Casing	
1	15	Tubing	
1	16	Wellhead	0
1	17	Permanent Packers/Hangers/Plugs	
1	18	Tanks	115,000
1	19	Facility Vessels	70,000
1	20	Compressors	
1	21	Surface Flowlines	15,000
1	22	Gathering Lines/SWD Lines	50,000
1	23	Valves & Controllers	80,000
1	24	Artificial Lift Equipment	0
1	25	Instrumentation & Measurement	87,500
1	26	Electrical Grounding/Safety Equipment	18,000
1	27	Permanent Equipment Installation	122,000
1	28	Other - Surface	
1	31	Other - Downhole	
<b>TOTAL TANGIBLE FACILITY COSTS:</b>			<b>\$553,500</b>

Total Facility Cost \$1,010,000

**TAP ROCK RESOURCES COMPANY APPROVAL:**

CEO \_\_\_\_\_ VP - EXPLORATION \_\_\_\_\_  
 CFO \_\_\_\_\_ VP - OPERATIONS \_\_\_\_\_  
 VP - LAND & LEGAL \_\_\_\_\_ SENIOR GEOSCIENTIST \_\_\_\_\_

**NON OPERATING PARTNER APPROVAL:**

COMPANY NAME: \_\_\_\_\_  
 SIGNED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 APPROVED BY (P): \_\_\_\_\_ DATE: \_\_\_\_\_  
 TAX ID: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

AFE is an estimate only. By signing this AFE, you agree to pay your proportionate share of the actual costs.

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

APPLICATION OF TAP ROCK OPERATING, LLC  
FOR A STANDARD HORIZONTAL SPACING  
AND PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO

Case No. 20596 & 20597

AFFIDAVIT OF EMILY LANGE

I, being duly sworn on oath, state the following:

1. I am over the age of 18, and I have personal knowledge of the matters stated herein.
2. I am employed as a petroleum geologist for Tap Rock Operating, LLC ("Tap Rock"), and I am familiar with the subject applications and the geology involved.
3. This affidavit is submitted in connection with the filing by Tap Rock of the above-referenced compulsory pooling applications pursuant to 19.15.4.12.A(1) NMAC.
4. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology matters. My credentials as a petroleum geologist have been accepted by the Division and made a matter of record.
  - a. I hold a Bachelor's degree in Geology from the University of Southern California, which I completed in 2012. I am currently working towards a Master's degree in Geology at Southern Methodist University.
  - b. I have been employed as a petroleum geologist since 2013. I have worked in New Mexico since 2015.
5. **Exhibit 6** is a Project Locator Map depicting the location of the Horizontal Spacing Units (HSUs) within the Delaware Basin.

EXHIBIT

2

6. **Exhibit 7** is a Wolfcamp structure map. The proposed HSUs are depicted by a red rectangle. The map is the top of the Wolfcamp A gross formation in sub-sea vertical depth. The contour intervals are 25 ft each. There is a monoclinial dip down to the southeast. The orientation of the Frightened Turtle Fed Com 133H and Frightened Turtle Fee Com 134H will each be approximately along strike. There are no horizontal wells in the direct vicinity that have targeted a similar interval. The horizontals on the map have targeted zones in both the Bone Spring and Upper Wolfcamp. The nearby Wolfcamp A wells are specifically noted by a red circle. The vertical wells controlling the structure map have the sub-sea vertical depth posted in gray. The subsequent cross-section from A-A' is also identified to locate our closest control on the reservoir properties for the Frightened Turtle Fed Com #133H and the Frightened Turtle Fee Com #134H. I do not observe any faulting, pinch-outs, or other geologic impediments or hazards to developing this targeted interval with a horizontal well.

7. **Exhibit 8** is a Wolfcamp stratigraphic cross-section. Each well is a triple combo log. Track 1 has a gamma ray log with interpreted color fill for lithology and scaled from 0 to 200 api units and a caliper log scaled from 0 to 16. For gamma ray, the blue colors indicate carbonate, yellow to orange are sandstone/siltstones, and the darker browns are shale facies. For caliper, higher values indicate irregularities in hole diameter. Track 2 has the deep resistivity log, scaled from 0.2 ohmm to 2000 ohmm. The blue shading cutoff is at 50 ohmm or less to help identify the more siliciclastic rocks. Track 3 is the porosity track and contains the red neutron porosity curve and the blue density porosity curve, both scaled from 30% to -10%. The pink shading on the neutron porosity curve highlights anything greater than 15% to identify zones with increased clay content. The green shading on the density porosity curve highlights anything greater than 10% porosity. This cutoff indicates the best rock properties for reservoir evaluation. The cross-section



identifies the key tops used to evaluate reservoirs and landing targets for the Frightened Turtle Fed Com #133H and the Frightened Turtle Fee Com #134H. A simplified wellbore for the Frightened Turtle Fed Com #133H and the Frightened Turtle Fee Com #134H is on the cross-section showing the landing target interval in the green shaded box. The targeted reservoir has a constant thickness of approximately 200' and exhibits constant reservoir facies throughout each of the HSUs.

8. **Exhibit 9** is a Gross Isopach map of the Wolfcamp A Upper interval. This map shows the location of the Frightened Turtle spacing unit outlined by the red box, and the surface/bottom hole location of the Frightened Turtle Fed Com #133H and the Frightened Turtle Fee Com #134H wells. The anticipated gross thickness of the interval is 430 ft throughout each of the HSUs. There are no horizontal wells that have targeted this interval in the direct vicinity, and all the horizontals shown on the map are landed in other zones in the Bone Spring and Wolfcamp Formations. The location of the previous cross-section from A-A' is also shown on this map.

9. Based on my geologic study of the area, I conclude the following:
  - a. The horizontal spacing and proration units are justified from a geologic standpoint.
  - b. There are no structural impediments or faulting that will interfere with horizontal development.
  - c. Each quarter-quarter section in the unit will contribute more or less equally to production.
  - d. The preferred well orientation in this area is south-north. This is because the inferred orientation of the maximum horizontal stress is roughly northwest-southeast.

10. **Exhibit 10** and **Exhibit 11** each show a Simplified Wellbore Diagram for the initial wells in each HSU and demonstrate that the first and last take points for each well will be standard.

11. The Exhibits to this Affidavit were prepared by me, or compiled from Tap Rock's company business records.

12. The granting of this Application is in the interests of conservation and the prevention of waste.

13. The foregoing is correct and complete to the best of my knowledge and belief.

FURTHER AFFIANT SAYETH NAUGHT

*Emily Lange*  
EMILY LANGE

STATE OF COLORADO )  
                                  )ss  
COUNTY OF JEFFERSON)

Subscribed to and sworn before me this 21<sup>st</sup> day of January, 2020.

ERICA ROCHELLE HIXSON  
Notary Public  
State of Colorado  
Notary ID # 20174044145  
My Commission Expires 10-24-2021

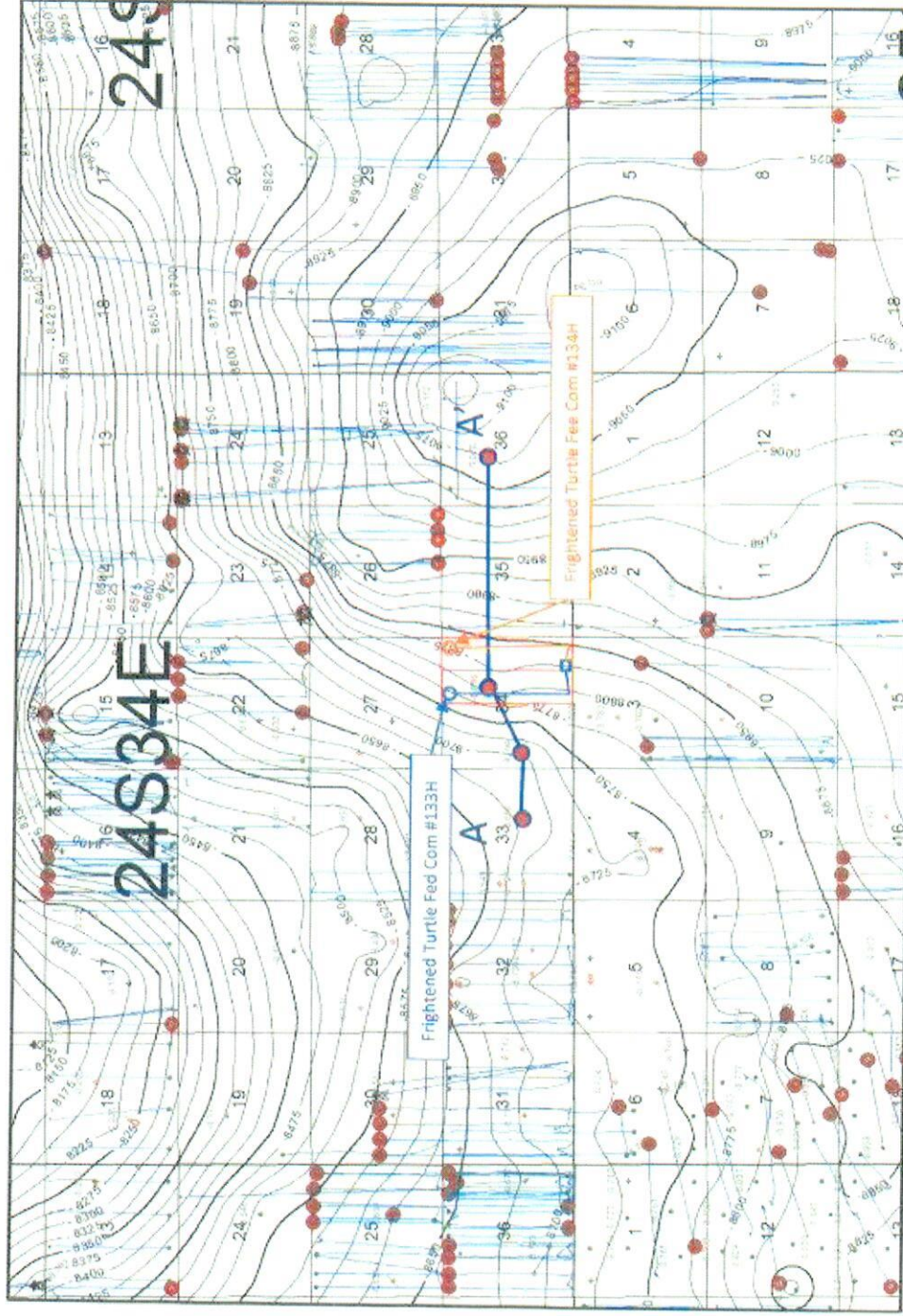
*Erica Hixson*  
Notary Public

My Commission expires 10-24-2021.





Subsea Structure Map (Top Wolfcamp A) – Contour Interval 25'



**Map Legend**

- SHL Tap Rock - Horizontal Locator
- BHL
- Spacing Units
- C.I. = 25'
- Cross-Section Wells
- Wolfcamp A Wells



Stratigraphic Cross-Section – A-A' – Scale 1" = 15'

EOG RESOURCES INCORPORATED  
MADDERA 33 FEDERAL  
2

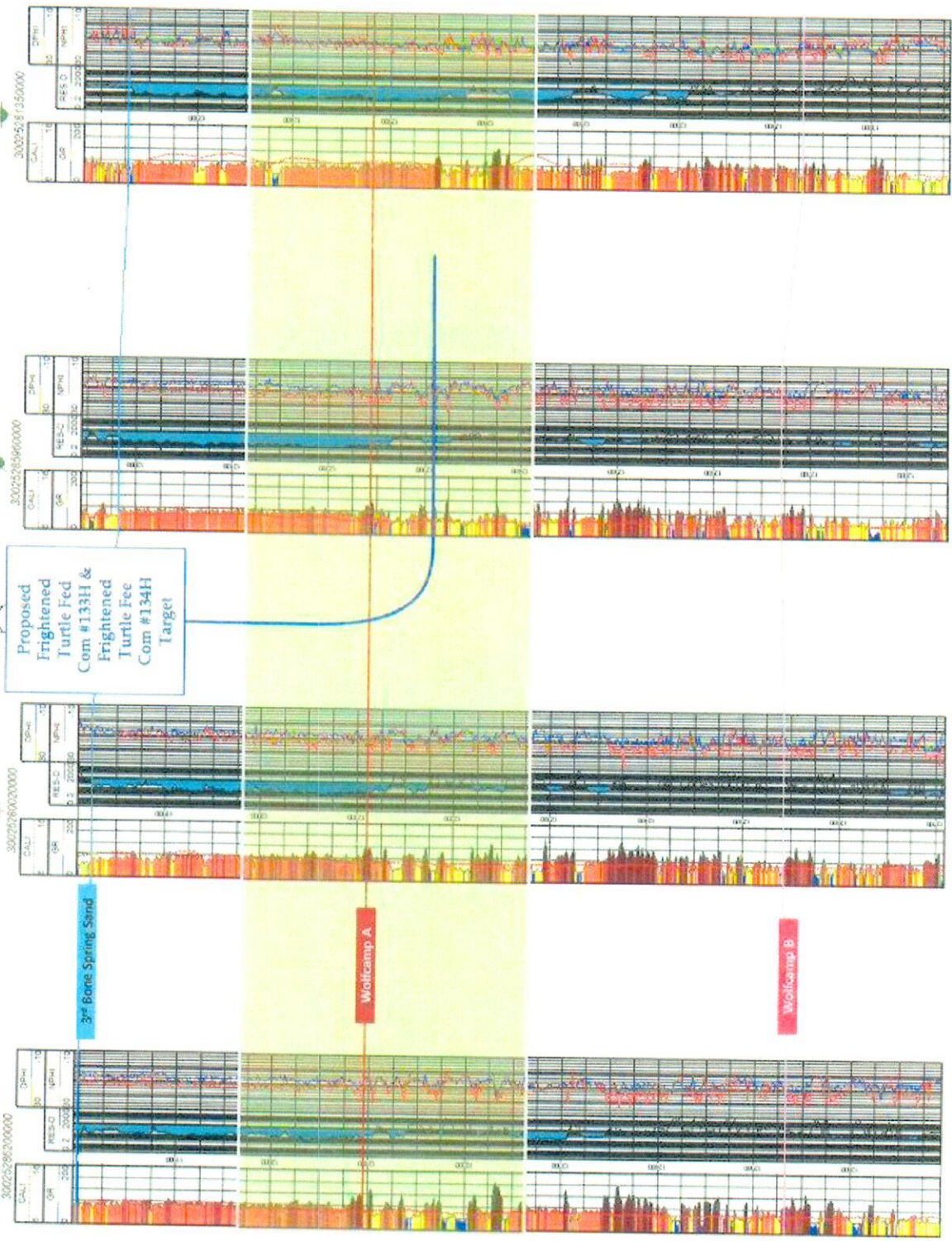
EOG RESOURCES INC  
PTCHEORK 34 FEDERAL  
CM

EOG RESOURCES INCORPORATED  
MOORE 34 COM

EOG RESOURCES INCORPORATED  
PTCHEORK 36 STATE

A

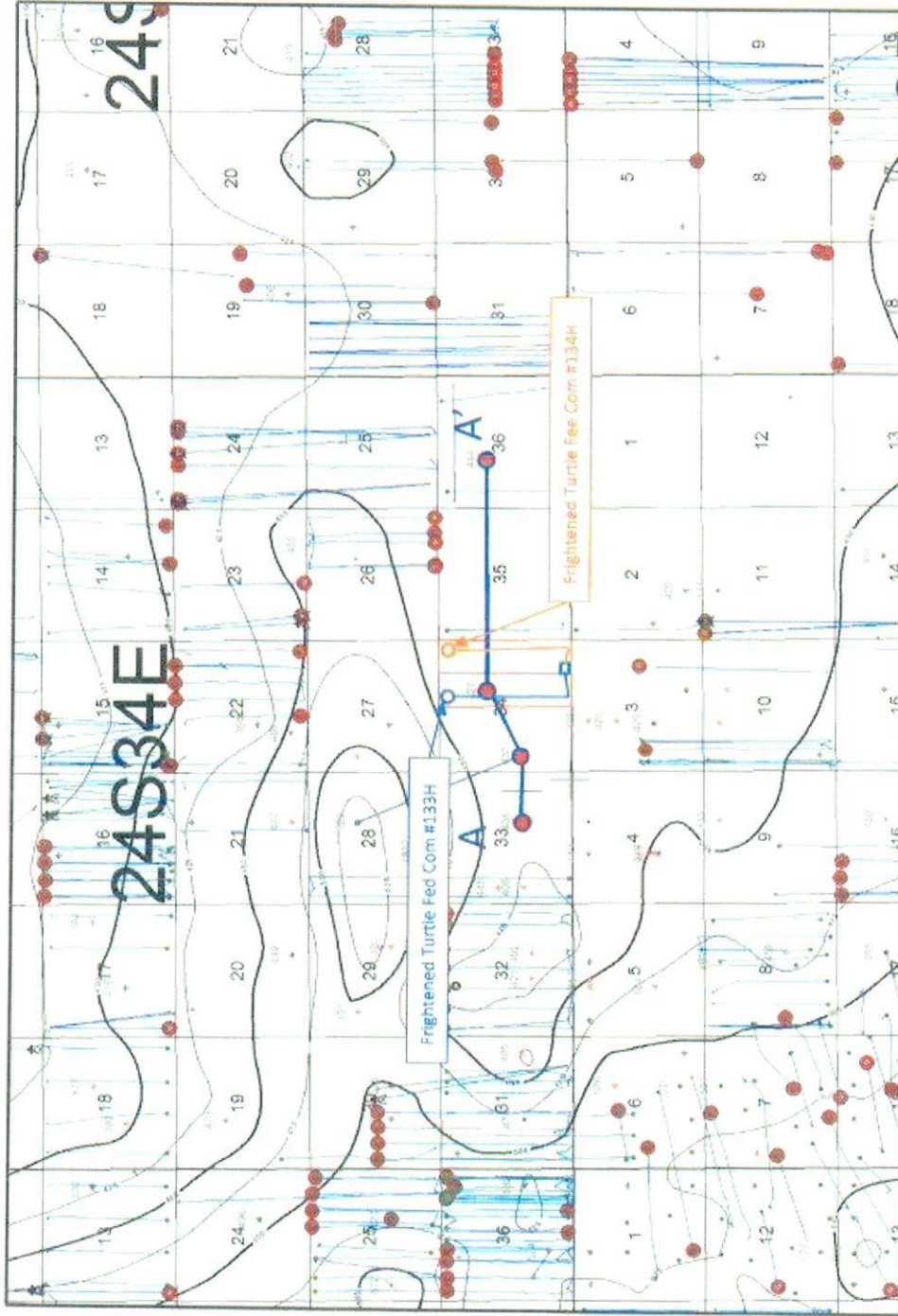
A'



Lateral Interval



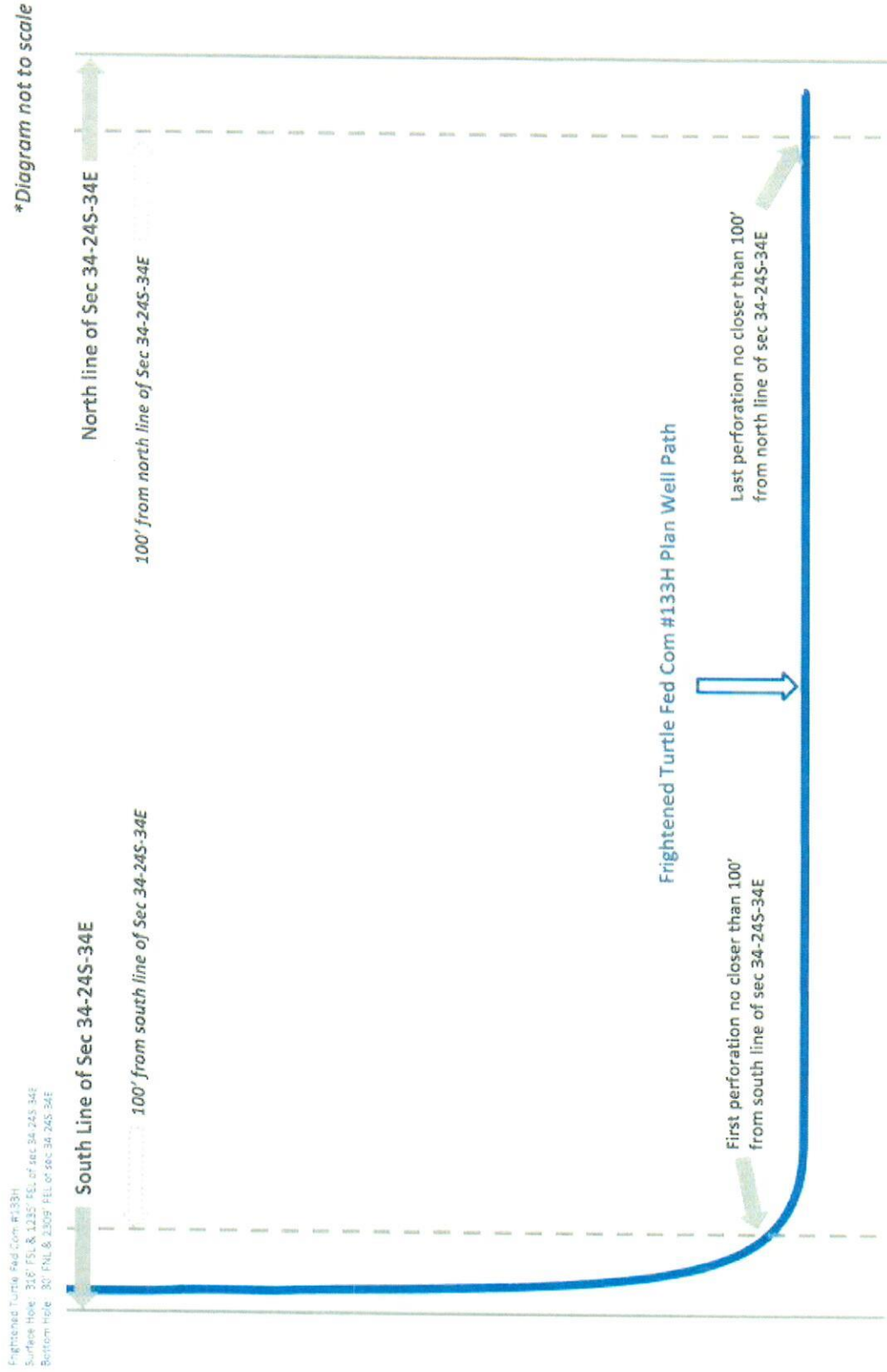
Isopach map (Wolfcamp A – Wolfcamp B) – Contour Interval 25'



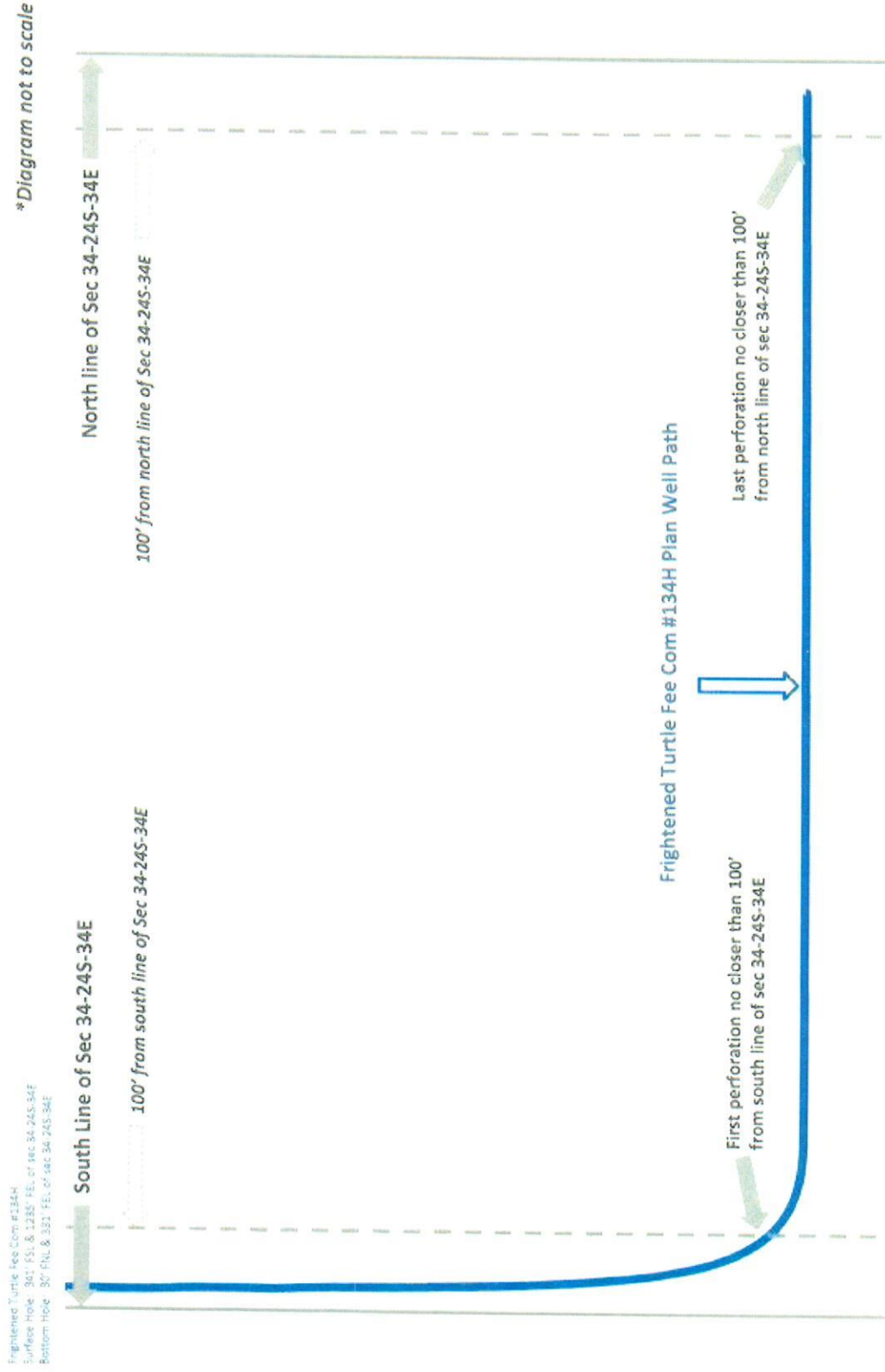
Frightened Turtle Fed Com # 133H & Frightened Turtle Fee Com # 134H

Worksheet 9  
 Cover No. 20994-96 20997

# Frightened Turtle Fed Com #133H (1 mile S-N Lateral)



# Frightened Turtle Fee Com #134H (1 mile S-N Lateral)





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

APPLICATIONS OF TAP ROCK RESOURCES,  
LLC FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.

Case Nos. 20596 and 20597

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE    )  
  ) ss.  
STATE OF NEW MEXICO )

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Tap Rock Resources, LLC.
3. Tap Rock Resources, LLC has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. 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 5 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.

Date: 1/22/20

  
\_\_\_\_\_  
James Bruce

EXHIBIT 3

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

June 20, 2019

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

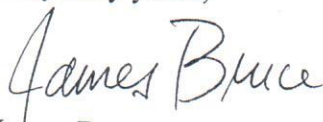
Ladies and gentlemen:

Enclosed are copies of two applications for compulsory pooling, filed with the New Mexico Oil Conservation Division by Tap Rock Resources, LLC, regarding Wolfcamp wells in (a) the W/2E/2 of Section 34 (Case No. 20596), and (a) the E/2E/2 of Section 34 (Case No. 20597), all in Township 24 South, Range 34 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, July 11, 2019, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an interest owner that may be affected by these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Wednesday, July 3, 2018. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

  
James Bruce

Attorney for Tap Rock Resources, LLC

ATTACHMENT *A*

EXHIBIT A

Working Interest Parties

Chief Capital O&G II LLC  
8111 Westchester, Suite 900  
Dallas, TX 75225

Chisos Minerals, LLC  
1111 Bagby Street, Suite 2150  
Houston, TX 77002

COG Operating, LLC  
600 West Illinois Avenue  
Midland, Texas 79701

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd.  
North Birmingham, AL 35203-2707

EOG Resources, Inc.  
EOG Resources Assets  
104 S. 4th Street  
Artesia, NM 88210

G. Dan Thompson  
12107 Lueders Land  
Dallas, TX 75230

GGM Exploration, Inc.  
P. O. Box 123610  
Fort Worth, TX 76121

Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, TX 77056

MRC Permian Company  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Nuray K. Pace, Legal Guardian of  
Aleyna Nuray Pace and Tara Nuray Pace  
258 Cape Jasmine Court  
Spring, TX 77381



Pegasus Resources, LLC  
P.O. Box 470698  
Fort Worth, TX 76147

Tilden Capital Minerals, LLC  
P. O. Box 470857  
Fort Worth, TX 76147

Overriding Royalty Interest Parties

Ozark Royalty Co., LLC  
3652 Northwood Drive  
Memphis, TN 38111

Timothy Brennan  
1324 Lischev Ave.  
Nashville, TN 37207

TE-Ray Resources, Inc.  
13208 N. MacArthur Blvd.  
Oklahoma City, OK 73142

Chilmark Properties, LLC  
110 W. Louisiana, Ste. 404  
Midland, TX 79701

Robert E. Landreth and  
Donna P. Landreth  
110 W. Louisiana, Ste. 404  
Midland, TX 79701

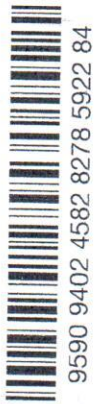
+

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1. Article Addressed to:

Robert E. Landreth and  
 Donna P. Landreth  
 110 W. Louisiana, Ste. 404  
 Midland, TX 79701



2. Article Number: 7018 2290 0000 3430 8366  
 (over \$500)

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

TR FX

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature: *Robert E. Landreth*  Agent  Addressee
- B. Received by (Printed Name): **LINDA CARTER**  Date of Delivery

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

3. Service Type
- Priority Mail Express®
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  - Adult Signature Restricted Delivery
  - Certified Mail®
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 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$

Total Postage and Fees \$  
 Sent to Robert E. Landreth and  
 Donna P. Landreth  
 110 W. Louisiana, Ste. 404  
 Midland, TX 79701  
 City, State, ZIP+4®

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7018 2290 0000 3430 8366  
 0000 0622 8430 8372

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 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$

Total Postage and Fees \$  
 Sent To Chilmark Properties, LLC  
 110 W. Louisiana, Ste. 404  
 Midland, TX 79701  
 Street and Apt. No., or PO Box No.  
 City, State, ZIP+4®

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Chilmark Properties, LLC  
 110 W. Louisiana, Ste. 404  
 Midland, TX 79701



2. Article Number: 7018 2290 0000 3430 8373  
 (over \$500)

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D. Is delivery address different from item 1?  Yes  No  
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3. Service Type
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TE-Ray Resources, Inc.  
13208 N. MacArthur Blvd.  
Oklahoma City, OK 73142



9590 9402 4582 8278 5923 14

2. Article 7018 2290 0000 3430 8212

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A. Signature  Agent  
 B. Received by (Printed Name)  Addressee  
 C. Date of Delivery 10-27-19  
 D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Adult Signature  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Collect on Delivery  
 Registered Mail Restricted Delivery (over \$500)  
 Priority Mail Express®  
 Registered Mail™  
 Registered Mail Restricted Delivery  
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 Adult Signature Restricted Delivery \$  
 Postage \$  
 Total Postage and Fees \$

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 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$  
 Total Postage and Fees \$

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Sent To Timothy Brennan  
 1324 Lischey Ave.  
 Nashville, TN 37207  
 Street and Apt. No., or P.O.  
 City, State, ZIP+4®

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Timothy Brennan  
1324 Lischey Ave.  
Nashville, TN 37207



9590 9402 4582 8278 5923 07

2. Article 7018 2290 0000 3430 8229

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A. Signature  Agent  
 Addressee  
 B. Received by (Printed Name)  Date of Delivery 6/18  
 C. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Adult Signature  
 Registered Mail™  
 Certified Mail®  
 Collect on Delivery  
 Priority Mail Express®  
 Registered Mail™  
 Registered Mail Restricted Delivery  
 Return Receipt for Merchandise  
 Signature Confirmation™  
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1. Article Addressed to:

Tilden Capital Minerals, LLC  
 P. O. Box 470857  
 Fort Worth, TX 76147

2. Article Number (Transfer from carrier label)  
 7018 2290 0000 3430 8243



9590 9402 4582 8278 5967 32

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A. Signature *Thomas*  Agent   
 Addressee

B. Received by (Printed Name) *Thomas* C. Date of Delivery

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

3. Service Type

Priority Mail Express®  
 Adult Signature  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Return Receipt for Merchandise  
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 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To *Pegasus Resources, LLC*  
*P.O. Box 470698*  
*Street and Apt. No., or P.O. Box No., or FPO*  
*City, State, ZIP+4®* *Fort Worth, TX 76147*

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 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To *Tilden Capital Minerals, LLC*  
*P. O. Box 470857*  
*Street and Apt. No., or FPO*  
*City, State, ZIP+4®* *Fort Worth, TX 76147*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

0528 0678 0100 4300 0000 9022 8102

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1. Article Addressed to:

Pegasus Resources, LLC  
 P. O. Box 470698  
 Fort Worth, TX 76147



9590 9402 4582 8278 5967 49

2. Article Number 7018 2290 0000 3430 8250

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature *Thomas*  Agent   
 Addressee

B. Received by (Printed Name) *THOMAS* C. Date of Delivery *7/11/15*

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

3. Service Type

Priority Mail Express®  
 Adult Signature  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Return Receipt for Merchandise  
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1. Article Addressed to:

Nuray K. Pace, Legal Guardian of  
Aleyna Nuray Pace and Tara Nuray Pace  
258 Cape Jasmine Court  
Spring, TX 77381



9590 9402 4582 8278 5967 63

2. Article Addressed to: **7018 2290 0000 3430 8274**

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TR FT

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**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  
*Sibel Kardes*  Addressee
- B. Received by (Printed Name)  Date of Delivery  
*Sibel Kardes*

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

3. Service Type
- Priority Mail Express®
  - Adult Signature
  - Registered Mail™
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

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- Return Receipt (electronic) \$
- Certified Mail Restricted Delivery \$
- Adult Signature Required \$
- Adult Signature Restricted Delivery \$

Postmark Here

Postage

Total Postage and **Nuray K. Pace, Legal Guardian of**

**Aleyna Nuray Pace and Tara Nuray Pace**  
258 Cape Jasmine Court  
Spring, TX 77381

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

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7018 2290 0000 3430 8274

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Extra Services & Fees (check box, add fee as appropriate)

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- Return Receipt (electronic) \$
- Certified Mail Restricted Delivery \$
- Adult Signature Required \$
- Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To **MRC Permian Company**  
**5400 LBJ Freeway, Suite 1500**  
Dallas, TX 75240

Street and Apt. No.,  
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

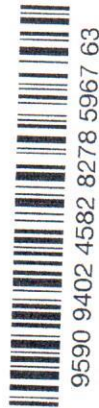
See Reverse for Instructions

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1. Article Addressed to:

MRC Permian Company  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



9590 9402 4582 8278 5967 63

2. Article Addressed to: **7018 2290 0000 3430 8274**

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

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**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  
*[Signature]*  Addressee
- B. Received by (Printed Name)  Date of Delivery  
*[Signature]*
- D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type
- Priority Mail Express®
  - Adult Signature
  - Registered Mail™
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

TR FT

Domestic Return Receipt

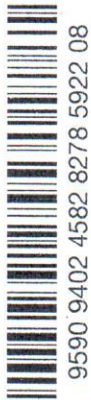


**SENDER: COMPLETE THIS SECTION**

- 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:

Marathon Oil Permian, L.L.C.  
 5555 San Felipe Street  
 Houston, TX 77056



2. 7018 2290 0000 3430 8281

(over \$500)

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

TR FT

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name) T. Ocampo C. Date of Delivery
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type
- Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Insured Mail
  - Insured Mail Restricted Delivery
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery
  - Priority Mail Express®
  - Registered Mail™

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Postmark Here

Total Postage and Fees

Marathon Oil Permian, L.L.C.  
 5555 San Felipe Street  
 Houston, TX 77056

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

9590 9402 4582 8278 5922 08

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**OFFICIAL USE**

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Postmark Here

Total Postage and Fees

GGM Exploration, Inc.  
 P. O. Box 123610  
 Fort Worth, TX 76121

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**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:

GGM Exploration, Inc.  
 P. O. Box 123610  
 Fort Worth, TX 76121



2. Article Number (over \$500)

7018 2290 0000 3430

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name) Paul Sny C. Date of Delivery 7-1-18
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
  - Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Insured Mail
  - Insured Mail Restricted Delivery
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

Domestic Return Receipt

TR FT

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



**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:

G. Dan Thompson  
12107 Lueders Land  
Dallas, TX 75230



9590 9402 4582 8278 5922 22

2. Article Number (Transfer from container label)

7018 2290 0000 3430 8304

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

TR FT

Domestic Return Receipt

3. Service Type
- Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Return Receipt for Merchandise
  - Return Receipt for Signature Confirmation™
  - Signature Confirmation Restricted Delivery

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name) D. Thompson C. Date of Delivery 6/22/16
- D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

**CERTIFIED MAIL® RECEIPT**  
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**OFFICIAL USE**

Certified Mail Fee \$

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
  - Return Receipt (electronic) \$
  - Certified Mail Restricted Delivery \$
  - Adult Signature Required \$
  - Adult Signature Restricted Delivery \$

Postage \$

Postmark Here

Total Postage and Fees \$

Sent To EOG Resources, Inc.  
EOG Resources Assets  
104 S. 4th Street

Street and Apt. No., or P.O. Box, or F. Office Box, or GPO Address 104 S. 4th Street  
City, State, ZIP+4® Artesia, NM 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
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**OFFICIAL USE**

Certified Mail Fee \$

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
  - Return Receipt (electronic) \$
  - Certified Mail Restricted Delivery \$
  - Adult Signature Required \$
  - Adult Signature Restricted Delivery \$

Postmark Here

Total Postage and Fees \$

Sent To G. Dan Thompson  
12107 Lueders Land  
Dallas, TX 75230

Street and Apt. No., or P.O. Box, or GPO Address

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**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:

EOG Resources, Inc.  
EOG Resources Assets  
104 S. 4th Street  
Artesia, NM 88210



9590 9402 4582 8278 5922 39

2. Article Number (Transfer from container label)

7018 2290 0000 3430 8311

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

TR FT

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name) Nancy H. Franco C. Date of Delivery JUN 17 2016
- D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

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



**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:

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd.  
North Birmingham, AL 35203-2707



9590 9402 4582 8278 5922 46

2. Article Number (Transfer from carrier label)

7018 2290 0000 3430 8335

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

Domestic Return Receipt

(over \$500)

TR FR

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name)  Certified Mail®  Return Receipt for Merchandise  Signature Confirmation™  Restricted Delivery
- C. Date of Delivery  Yes  No
- D. Is delivery address different from item 1?  Yes  No
- 605 21570

3. Service Type
- Priority Mail Express®
  - Registered Mail™
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Restricted Delivery

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Domestic Mail Only

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**OFFICIAL USE**

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
  - Return Receipt (electronic) \$
  - Certified Mail Restricted Delivery \$
  - Adult Signature Required \$
  - Adult Signature Restricted Delivery \$

Postmark  
Here

Total Postage and Fees

Sent To Chisos Minerals, LLC  
1111 Bagby Street, Suite 2150  
Houston, TX 77002  
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

2488 0648 0000 0622 8102

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**OFFICIAL USE**

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
  - Return Receipt (electronic) \$
  - Certified Mail Restricted Delivery \$
  - Adult Signature Required \$
  - Adult Signature Restricted Delivery \$

Postmark  
Here

Total Postage and Fees

Sent To Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd.  
North Birmingham, AL 35203-2707  
Street and Apt. No., or P.O. Box No.  
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**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:

Chisos Minerals, LLC  
1111 Bagby Street, Suite 2150  
Houston, TX 77002



9590 9402 4582 8278 5922 60

2. Article Number (Transfer from carrier label)

7018 2290 0000 3430 8342

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

Domestic Return Receipt

(over \$500)

TR FR

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- B. Received by (Printed Name)  Certified Mail®  Return Receipt for Merchandise  Signature Confirmation™  Restricted Delivery
- C. Date of Delivery  Yes  No
- D. Is delivery address different from item 1?  Yes  No
- If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
  - Registered Mail™
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Restricted Delivery

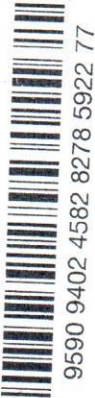


**SENDER: COMPLETE THIS SECTION**

- 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:

Chief Capital O&G II LLC  
 8111 Westchester, Suite 900  
 Dallas, TX 75225



2. Article **7018 2290 0000 3430 8359** (over 9500)  
 TR FT

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

Domestic Return Receipt

3. Service Type
- Priority Mail Express®
  - Adult Signature
  - Registered Mail™
  - Certified Mail®
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Restricted Delivery

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature **X** *[Signature]*  Agent  Addressee
- B. Received by (Printed Name) **A Johnson**  Date of Delivery **6-27-15**
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

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**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

Extra Services & Fees (check box, add fee as appropriate)

- Return Receipt (hardcopy) \$ \_\_\_\_\_
- Return Receipt (electronic) \$ \_\_\_\_\_
- Certified Mail Restricted Delivery \$ \_\_\_\_\_
- Adult Signature Required \$ \_\_\_\_\_
- Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage Here \$ \_\_\_\_\_

Postmark Here

Total Postage and Fees \$ \_\_\_\_\_

Sent To **COG Operating, LLC**  
**600 West Illinois Avenue**  
**Midland, Texas 79701**

Street and Apt. No. \_\_\_\_\_  
 City, State, ZIP+4® \_\_\_\_\_

See Reverse for Instructions

PS Form 3800, April 2015 PSN 7530-02-000-9047

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**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

Extra Services & Fees (check box, add fee as appropriate)

- Return Receipt (hardcopy) \$ \_\_\_\_\_
- Return Receipt (electronic) \$ \_\_\_\_\_
- Certified Mail Restricted Delivery \$ \_\_\_\_\_
- Adult Signature Required \$ \_\_\_\_\_
- Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage Here \$ \_\_\_\_\_

Postmark Here

Total Postage and Fees \$ \_\_\_\_\_

Sent To **Chief Capital O&G II LLC**  
**8111 Westchester, Suite 900**  
**Dallas, TX 75225**

Street and Apt. No., or PO Box \_\_\_\_\_  
 City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**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:

COG Operating, LLC  
 600 West Illinois Avenue  
 Midland, Texas 79701



2. Article **7018 2290 0000 3430 8328** (over 9500)  
 TR FT

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

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature **X** *[Signature]*  Agent  Addressee
- B. Received by (Printed Name) **Tricker Brown**  Date of Delivery **6/28/15**
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
  - Adult Signature
  - Registered Mail™
  - Certified Mail®
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Restricted Delivery

Domestic Return Receipt

PS Form 3800, April 2015 PSN 7530-02-000-9047



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**OFFICIAL USE**

Certified Mail Fee	\$	
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
<b>Total Postage and Fees</b>	\$	
Sent To	Ozark Royalty Co., LLC	
Street and Apt. No., or P.O. Box	3652 Northwood Drive	
City, State, ZIP+4®	Memphis, TN 38111	
Postmark Here		

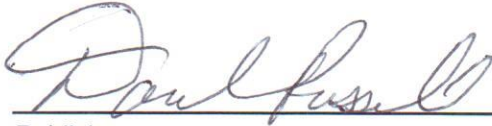
7018 2290 0000 3430 8236

# Affidavit of Publication

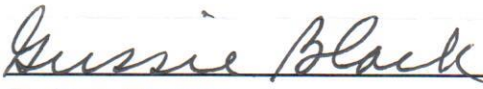
STATE OF NEW MEXICO  
COUNTY OF LEA

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).

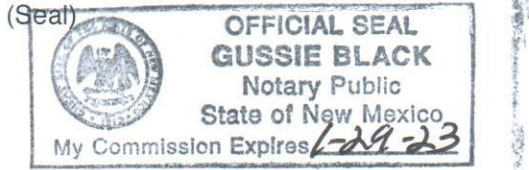
Beginning with the issue dated  
June 26, 2019  
and ending with the issue dated  
June 26, 2019.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
26th day of June 2019.

  
\_\_\_\_\_  
Business Manager

My commission expires  
January 29, 2023



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 26, 2019**

To: Chief Capital O&G II LLC, Chisos Minerals, LLC, COG Operating LLC, Energen Resources Corporation, EOG Resources, Inc., EOG Resources Assets, G. Dan Thompson, GGM Exploration, Inc., Marathon Oil Permian, LLC, MRC Permian Company, Nuray K. Pace, Legal Guardian of Aleyna Nuray Pace and Tara Nuray Pace, Pegasus Resources, LLC, Tilden Capital Minerals, LLC, Ozark Royalty Co., LLC, Timothy Brennan, TE-Ray Resources, Inc., Chilmark Properties, LLC, Robert E. Landreth, and Donna P. Landreth, or your heirs, devisees, successors, or assigns: Tap Rock Resources, LLC has applied to the Oil Conservation Division seeking an order pooling all mineral interests in the Wolfcamp formation underlying the following well units: (a) the W/2E/2 of Section 34 (Case No. 20596); and (a) the E/2E/2 of Section 34 (Case No. 20597), all in Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of Tap Rock Operating, LLC as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on July 11, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner to the well units you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 15-1/2 miles west-northwest of Jal, New Mexico.  
#34356

EXHIBIT 

01101711

00230007

JAMES BRUCE  
JAMES BRUCE, ATTORNEY AT LAW  
P.O. BOX 1056  
SANTA FE, NM 87504



# COMPULSORY POOLING APPLICATION CHECKLIST

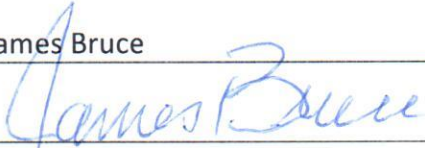
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

<b>Case:</b>	20596
<b>Date</b>	February 6, 2020
Applicant	Tap Rock Resources, LLC
Designated Operator & OGRID (affiliation if applicable)	Tap Rock Operating, LLC/OGRID No. 372043 The operator is the operating entity for applicant
Applicant's Counsel:	James Bruce
Case Title:	Application of Tap Rock Resources, LLC for Compulsory Pooling, Lea County, New Mexico
Entries of Appearance/Intervenors:	EOG Resources, Inc. and MRC Permian Company/Holland & Hart, LP
Well Family	Frightened Turtle Fed. Com. Well No. 133H
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Entire Wolfcamp formation
Pool Name and Pool Code:	Pitchfork Ranch; Wolfcamp/50375
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter Section/40 acre
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Vertical
Size (Acres)	160 acres
Building Blocks:	40 acres
Orientation:	South-North
Description: TRS/County	W/2E/2 §34-24S-35E, NMPM, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	Not applicable
Applicant's Ownership in Each Tract	Exhibit 1 page 8A
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Frightened Turtle Fed. Com. Well No. 133H API No. 30-015-Pending SHL: 316 FSL & 1235 FEL §34 BHL: 30 FNL & 2309 FEL §34 Completion location expected to be standard
Horizontal Well First and Last Take Points	FTP: 100 FSL & 2309 FEL §34 LTP: 100 FNL & 2309 FEL §34
Completion Target (Formation, TVD and MD)	Wolfcamp A/TVD 12445 feet/MD 17855 feet Exhibit 2 page 8
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$7000

EXHIBIT 5A



Production Supervision/Month \$	\$700
Justification for Supervision Costs	Exhibit 1 page 3
Requested Risk Charge	Cost + 200%/Exhibit 1 page 3
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 6A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 4
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 1 page 6
Tract List (including lease numbers and owners)	Exhibit 1 pages 8 and 8A
Pooled Parties (including ownership type)	Exhibit 1 page 7
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	None
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 1 pages 9-10
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 1 page 7
Chronology of Contact with Non-Joined Working Interests	Exhibit 1 Page 9
Overhead Rates In Proposal Letter	Exhibit 1 page 3
Cost Estimate to Drill and Complete	Exhibit 1 pages 11-12
Cost Estimate to Equip Well	Exhibit 1 pages 11-12
Cost Estimate for Production Facilities	Exhibit 1 pages 11-12
<b>Geology</b>	
Summary (including special considerations)	Exhibit 2 pages 1-5
Spacing Unit Schematic	Exhibit 1 pages 6A and 6B
Gunbarrel/Lateral Trajectory Schematic	Exhibit 2 page 10
Well Orientation (with rationale)	Standup/Exhibit 2 page 3
Target Formation	Wolfcamp
HSU Cross Section	Exhibit 2 page 8
Depth Severance Discussion	Not Applicable
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 1 page 6B
Tracts	Exhibit 1 page 7
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 1 page 7
General Location Map (including basin)	Exhibit 2 page 6
Well Bore Location Map	Exhibit 2 pages 6-7
Structure Contour Map - Subsea Depth	Exhibit 2 page 7
Cross Section Location Map (including wells)	Exhibit 2 page 7
Cross Section (including Landing Zone)	Exhibit 2 page 8

<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	James Bruce
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	January 22, 2020



# COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

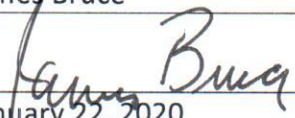
<b>Case:</b>	20597	
<b>Date</b>	February 6, 2020	
Applicant	Tap Rock Resources, LLC	
Designated Operator & OGRID (affiliation if applicable)	Tap Rock Operating, LLC/OGRID No. 372043 The operator is the operating entity for applicant	
Applicant's Counsel:	James Bruce	
Case Title:	Application of Tap Rock Resources, LLC for Compulsory Pooling, Lea County, New Mexico	
Entries of Appearance/Intervenors: Well Family	EOG Resources, Inc. and MRC Permian Company/Holland & Hart, LP Frightened Turtle Fed. Com. Well No. 134H	
<b>Formation/Pool</b>		
Formation Name(s) or Vertical Extent:	Wolfcamp formation	
Primary Product (Oil or Gas):	Oil	
Pooling this vertical extent:	Entire Wolfcamp formation	
Pool Name and Pool Code:	Pitchfork Ranch; Wolfcamp/50375	
Well Location Setback Rules:	Statewide rules and current horizontal well rules	
Spacing Unit Size:	Quarter-quarter Section/40 acre	
<b>Spacing Unit</b>		
Type (Horizontal/Vertical)	Vertical	
Size (Acres)	160 acres	
Building Blocks:	40 acres	
Orientation:	South-North	
Description: TRS/County	E/2E/2 §34-24S-35E, NMPPM, Lea County	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes	
<b>Other Situations</b>		
Depth Severance: Y/N. If yes, description	No	
Proximity Tracts: If yes, description	No	
Proximity Defining Well: if yes, description	Not applicable	
Applicant's Ownership in Each Tract	Exhibit 1 page 7	
<b>Well(s)</b>		
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non- standard)	Frightened Turtle Fed. Com. Well No. 134H API No. 30-015-46125 SHL: 341 FSL & 1235 FEL §34 BHL: 30 FNL & 331 FEL §34 Completion location expected to be standard	
Horizontal Well First and Last Take Points	FTP: 100 FSL & 331 FEL §34 LTP: 100 FNL & 331 FEL §34	
Completion Target (Formation, TVD and MD)	Wolfcamp A/TVD 12500 feet/MD 17910 feet Exhibit 1 page 13	
<b>AFE Capex and Operating Costs</b>		
Drilling Supervision/Month \$	\$7000	

EXHIBIT

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Production Supervision/Month \$	\$700
Justification for Supervision Costs	Exhibit 1 page 3
Requested Risk Charge	Cost + 200%/Exhibit 1 page 3
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 6A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 4
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 1 page 6
Tract List (including lease numbers and owners)	Exhibit 1 pages 8 and 8A
Pooled Parties (including ownership type)	Exhibit 1 page 8
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	None
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 1 pages 9-10
List of Interest Owners ( <i>i.e.</i> Exhibit A of JOA)	Exhibit 1 page 7
Chronology of Contact with Non-Joined Working Interests	Exhibit 1 Page 9
Overhead Rates In Proposal Letter	Exhibit 1 page 3
Cost Estimate to Drill and Complete	Exhibit 1 pages 11-12
Cost Estimate to Equip Well	Exhibit 1 pages 11-12
Cost Estimate for Production Facilities	Exhibit 1 pages 11-12
<b>Geology</b>	
Summary (including special considerations)	Exhibit 2 pages 1-5
Spacing Unit Schematic	Exhibit 1 pages 6A and 6B
Gunbarrel/Lateral Trajectory Schematic	Exhibit 2 page 10
Well Orientation (with rationale)	Standup/Exhibit 2 page 3
Target Formation	Wolfcamp
HSU Cross Section	Exhibit 2 page 8
Depth Severance Discussion	Not Applicable
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 1 page 6B
Tracts	Exhibit 1 page 7
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 1 page 7
General Location Map (including basin)	Exhibit 2 page 6
Well Bore Location Map	Exhibit 2 pages 6-7
Structure Contour Map - Subsea Depth	Exhibit 2 page 7
Cross Section Location Map (including wells)	Exhibit 2 page 7
Cross Section (including Landing Zone)	Exhibit 2 page 8

<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name (Attorney or Party Representative):</b>	James Bruce
<b>Signed Name (Attorney or Party Representative):</b>	
<b>Date:</b>	January 22, 2020



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

APPLICATION OF TAP ROCK RESOURCES,  
LLC FOR COMPULSORY POOLING, LEA  
COUNTY, NEW MEXICO.

Case No. 20596

APPLICATION

Tap Rock Resources, LLC applies for an order pooling all uncommitted mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 34, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico, and in support thereof, states:

1. Applicant is a working interest owner in the W/2E/2 of Section 34, and has the right to drill a well thereon.
2. Applicant proposes to drill the Frightened Turtle Fed. Com. Well No. 133H to a depth sufficient to test the Wolfcamp formation. The W/2E/2 of Section 34 will be dedicated to the well.
3. Applicant has in good faith sought to obtain voluntary joinder of all other mineral interest owners in the W/2E/2 of Section 34.
4. Although applicant attempted to obtain to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying the W/2E/2 of Section 34, pursuant to NMSA 1978 §70-2-17.

EXHIBIT

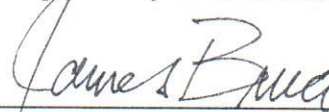
**6A**

5. The pooling of mineral interests in the Wolfcamp formation underlying the W/2E/2 of Section 34 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all uncommitted mineral interests in Wolfcamp formation underlying the W/2E/2 of Section 34;
- B. Designating Tap Rock Operating, LLC as operator of the well;
- C. Considering the cost of drilling and completing the well, and allocating the costs thereof among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk assumed by applicant in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



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James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043

*jamesbruc@aol.com*

Attorney for Tap Rock Resources, LLC



PROPOSED ADVERTISEMENT

Case No. \_\_\_\_\_:

***Application of Tap Rock Resources, LLC for a compulsory pooling, Lea County, New Mexico.***  
Tap Rock Resources, LLC seeks an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 34, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Frightened Turtle Fed. Com. Well No. 133H. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of Tap Rock Operating, LLC as operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The unit is located approximately 15-1/2 miles west-northwest of Jal, New Mexico.

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

APPLICATION OF TAP ROCK RESOURCES,  
LLC FOR COMPULSORY POOLING, LEA  
COUNTY, NEW MEXICO.

Case No. 20597

APPLICATION

Tap Rock Resources, LLC applies for an order pooling all uncommitted mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 34, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico, and in support thereof, states:

1. Applicant is a working interest owner in the E/2E/2 of Section 34, and has the right to drill a well thereon.
2. Applicant proposes to drill the Frightened Turtle Fee Well No. 134H to a depth sufficient to test the Wolfcamp formation. The E/2E/2 of Section 34 will be dedicated to the well.
3. Applicant has in good faith sought to obtain voluntary joinder of all other mineral interest owners in the E/2E/2 of Section 34.
4. Although applicant attempted to obtain to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying the E/2E/2 of Section 34, pursuant to NMSA 1978 §70-2-17.

EXHIBIT

**6B**

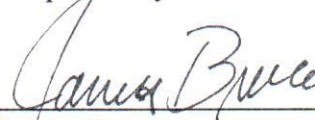


5. The pooling of mineral interests in the Wolfcamp formation underlying the E/2E/2 of Section 34 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

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- E. Setting a 200% charge for the risk assumed by applicant in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



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