CASE NO. 21341

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

EXHIBITS

- A. Application and Proposed Ad
- B. Landman's Affidavit (Taylor Ford)
- C. Geologist's Affidavit (Emily Lange)
- D. Affidavit of Notice
- E Affidavit of Publication
- F. Pooling Checklist

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. 21341

APPLICATION

Tap Rock Resources, LLC applies for an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18 and the W/2E/2 of Section 19, Township 25 South, Range 36 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 18 and the W/2E/2 of Section 19, and has the right to drill a well or wells thereon.
- 2. Applicant proposes to drill the Black Marlin Fed. Com. Well Nos. 203H, 206H, and 213H to a depth sufficient to test the Wolfcamp formation. The wells have first take points in the NW/4NE/4 of Section 18 and last take points in the SW/4SE/4 of Section 19. Applicant seeks to dedicate the W/2E/2 of Section 18 and the W/2E/2 of Section 19 to the wells.
- 3. Applicant has in good faith sought to obtain voluntary joinder of all other mineral interest owners in the W/2E/2 of Section 18 and the W/2E/2 of Section 19 for the purposes set forth herein.
- 4. Although applicant attempted to obtain to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the wells or to otherwise commit their interests to the wells, 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

EXHIBIT A

Wolfcamp formation underlying the W/2E/2 of Section 18 and the W/2E/2 of Section 19, pursuant to NMSA 1978 §70-2-17.

- 5. The pooling of all mineral interest owners in the Wolfcamp formation underlying the W/2E/2 of Section 18 and the W/2E/2 of Section 19 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 6. Order No. R-21080, dated February 10, 2020 named Impetro Oil & Gas, LLC ("Impetro") as operator of the subject well unit. Applicant has the obtained the right to operate the well unit from Impetro, and requests that Tap Rock Operating, LLC be named operator of the well unit.

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

- A. Pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying the W/2E/2 of Section 18 and the W/2E/2 of Section 19;
- B. Designating Tap Rock Operating, LLC as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells, and allocating the costs thereof among the wells' working interest owners;
- 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, completing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

James Bruce

Post Office Box 1056

Santa Fe, New Mexico 87504

(505) 982-2043

jamesbruc@aol.com

Attorney for Tap Rock Resources, LLC

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 18 and the W/2E/2 of Section 19, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico. The unit will be dedicated Black Marlin Fed. Com. Well Nos. 203H, 206H, and 213H, to be drilled to a depth sufficient to test the Wolfcamp formation. The wells have first take points in the NW/4NE/4 of Section 18 and last take points in the SW/4SE/4 of Section 19. Applicant seeks to dedicate the W/2E/2 of Section 18 and the W/2E/2 of Section 19 to the wells. Also to be considered will be the cost of drilling, completing, and equipping 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, completing, and equipping the wells. The unit is located approximately 6 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 OPERATING, LLC FOR A STANDARD HORIZONTAL SPACING AND PRORATION UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 21341

AFFIDAVIT OF TAYLOR FORD

- I, being duly sworn on oath, state the following:
- I am over the age of eighteen years and have the capacity to execute this Affidavit, which is based on my personal knowledge.
- 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 not previously testified before the New Mexico Oil Conservation Division.
- 5. I graduated from Texas Tech University in 2017 with a Bachelor of Business Administration degree in Energy Commerce. After graduation, I worked for Devon Energy focusing on this area of the Permian Basin, until October 1st, 2019. I started my current role as a Landman at Tap Rock on February 3rd, 2020.
- 6. The purpose of this application is to force pool working interest owners into the horizontal spacing unit ("HSU") described below, and in the wells to be drilled in the units.
- 7. No opposition is expected from the following parties: The Estate of Louise Heard Kincaid, an Unleased Mineral Interest, under further review due to certain title requirements. Tap Rock will continue to work through Title issues prior to taking an Oil and Gas lease. The Ohio



State University, an Unleased Mineral Interest, will remain unleased due to Ohio law restricting the University from leasing their minerals.

- 8. There are three potential Unleased Mineral Interest owners, one being The Allar Company, with a near term lease expiration of 10/10/2020. The lease requires production by 10/10/2020, which, given pending unapproved federal permits, Tap Rock does not anticipate meeting this obligation. Tap Rock has been in contact with The Allar Company several times regarding a lease extension, but no agreement has been made. They have requested to be removed from this case, and Tap Rock is not seeking to force pool their interest at this time. Meridian 102, LP could become an Unleased Mineral Interest owner as to the NWNE and SWNE of Section 18-T26S-R35E only, due to a horizontal pugh if Tap Rock does not meet the CO/CDC obligations in time. The Haskell Foundation could also become an Unleased Mineral Interest owner as to the NWNE of Section 18-T26S-R35E only, due to a horizontal pugh if Tap Rock does not meet the CO/CDC obligations in time. This lease expires on 12/4/2020.
- 9. Tap Rock seeks an order pooling all mineral interests in the Jal; Wolfcamp West Pool (Pool Code 33813) underlying the W/2E/2 of Section 18 and W/2E/2 of Section 19, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico. The proposed 320-acre spacing unit will be dedicated to the Black Marlin #203H, #206H, and, #213H (the "Wells"), as the defining wells for the units.
- A proposed C-102 for each well is attached as Exhibit 1. The Wells will develop
 the Jal; Wolfcamp West Pool (Pool Code 33813), which is an oil pool.
- 2. The proposed surface hole, bottom hole, and first take point for each of the Wells can be found in the attached **Exhibit 1**. The proposed total vertical depth for each of the Wells can be found in the attached **Exhibit 5**.

- 3. A tract map containing the composition of the HSU is attached hereto as **Exhibit 2** and shows that the HSU is comprised of four Fee tracts and one Federal tract.
- 4. The parties being pooled and the nature of their interest are found in Exhibit 3 I attached hereto. Exhibit 4 also includes information regarding working interest owners and overriding royalty interest owners.
 - 5. There are no depth severances in the Wolfcamp formation in the proposed HSU.
- 6. 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") as found on Exhibit 5.
- Tap Rock has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed Wells.
- 8. Exhibit 5 is a sample proposal letter and the AFE for each of the proposed Wells. 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.
- 9. 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.
- 10. Tap Rock requests the maximum cost, plus 200% risk charge be assessed against non-consenting working interest owners.
 - 11. Tap Rock requests that it be designated operator of the wells.

- 12. The Exhibits to this Affidavit were prepared by me, or compiled from Tap Rock's company business records.
- 13. The granting of this Application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.
 - 14. The foregoing is correct and complete to the best of my knowledge and belief.

FURTHER AFFIANT SAYETH NAUGHT	Taylor Ford
STATE OF COLORADO))ss COUNTY OF JEFFERSON)	
Subscribed to and sworn before me this Mrd day of	September, 2020.
EMILY KASA Notary Public State of Colorado Notary ID # 20184039277 My Commission Expires 10-04-2022	Notary Public
My Commission expires 10-4 701	

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

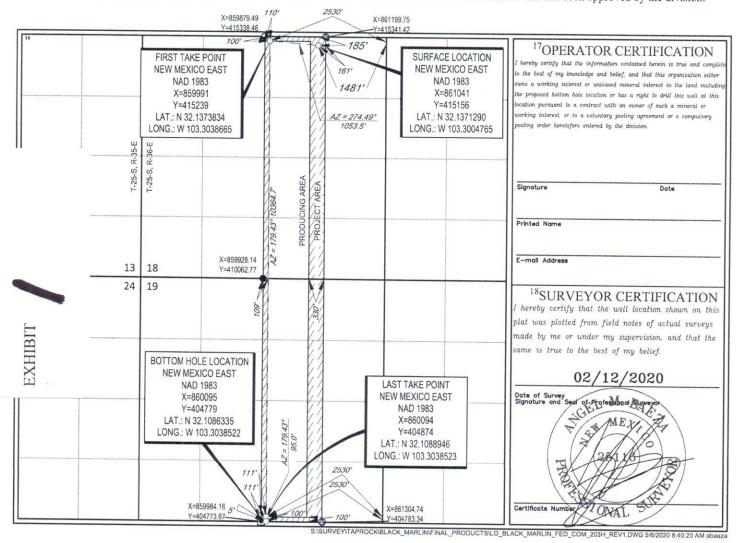
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

AMENDED REPORT

	API Numbe	r		² Pool Code			³ Pool Name	e	
⁴ Property (Code			BLAC	⁵ Property Na			1	ell Number
70GRID #3720				TAP R	8Operator Na	ATING, LLC.		9 _H	Elevation 3180'
					10 Surface Loc	cation			
UL or lot no.	Section 18	Township 25-S	Range 36-E	Lot Idn	Feet from the 185'	North/South line NORTH	Feet from the 1481'	East/West line EAST	County LEA
			11Be	ottom Hole	Location If Di	fferent From Surf	ace		
UL or lot no.	Section 19	Township 25-S	Range 36-E	Lot Idn	Feet from the 5'	North/South line	Feet from the 2530'	East/West line EAST	County

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.



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

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

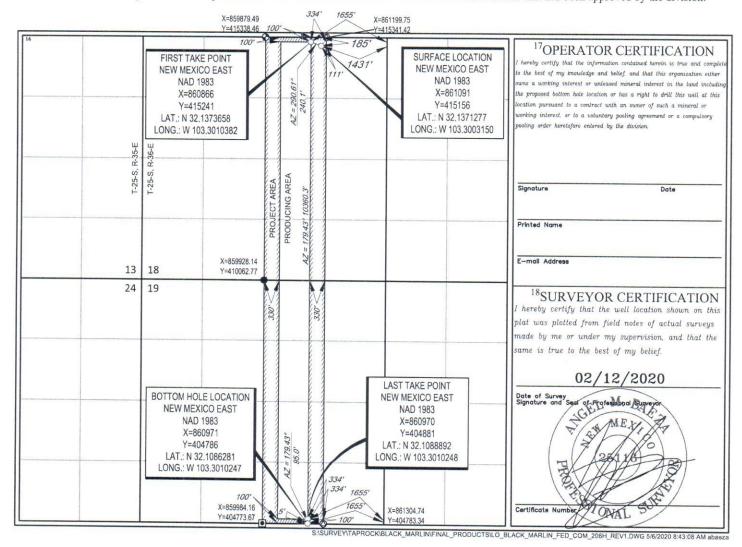
FORM C-102 Revised August 1, 2011 Submit one copy to appropriate **District Office**

AMENDED REPORT

		W	ELL LO	CATION	AND ACRE	AGE DEDICA	TION PLAT		
	API Number			² Pool Code			³ Pool Name		
⁴ Property	Code			BLAC	⁵ Property Nar K MARLIN			6Well N 20	
70GRID #3720				TAP RO	OCK OPERA	TING, LLC.		9Elev 31	ation 80'
					¹⁰ Surface Loc	ation			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

В	18	25-S	36-E	-	185'	NORTH	1431'	EAST	LEA
			11]	Bottom Ho	le Location If D	ifferent From Sur	face		
UL or lot no.	105027 3635	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	19	25-S	36-E	_	5'	SOUTH	1655'	EAST	LEA
12Dedicated Acres	¹³ Joint or l	Infill 14Ce	onsolidation Coo	de ¹⁵ Ord	er No.	1			

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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Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 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

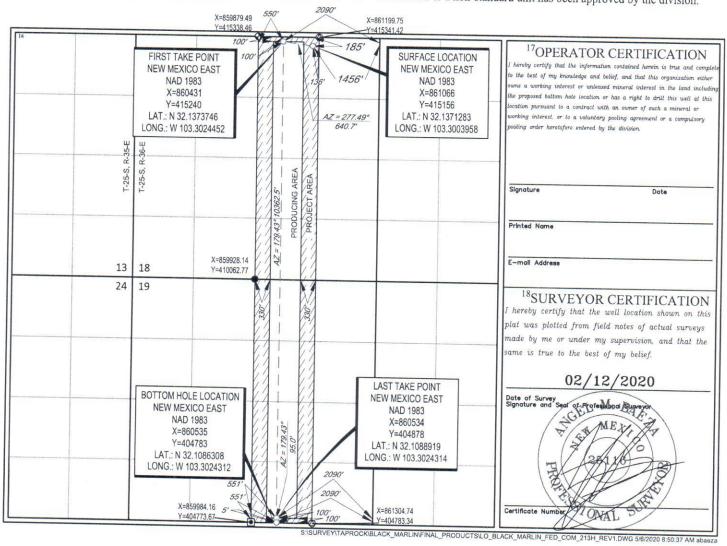
FORM C-102 Revised August 1, 2011 Submit one copy to appropriate

AMENDED REPORT

District Office

I Number	r		² Pool Code					
1			BLAC					ell Number
3				⁸ Operator Na	ame		91	Elevation 3180'
		20		10 Surface Lo	cation	1-		
Section 18	Township 25-S	36-E	Lot Idn	Feet from the 185'	North/South line NORTH	Feet from the 1456'	East/West line EAST	County
		¹¹ B	ottom Hole	Location If Di	fferent From Surf	ace		
Section 19	Township 25-S	36-E	Lot Idn	Feet from the 5'	North/South line SOUTH	Feet from the 2090'	East/West line	County
3	Section 18 Section 19	Section Township 18 25-S Section Township 19 25-S	Section Township 18 25-S 36-E 11B. Section Township Range 19 25-S 36-E 36-E	Number Pool Code	Number Property Na	Section Township 25-S 36-E - 185' South Section Township Range Lot Idn Feet from the North/South line North/South line Section Township Range Lot Idn Feet from the North/South line North/South line North/South line South South Section Township Range Lot Idn Feet from the North/South line South South	Number Pool Code Pool Name Property Name BLACK MARLIN FED COM	Section Township 25-S 36-E - 185' NORTH 1456' East/West line Section Township 25-S 36-E - 5' SOUTH 2090' EAST

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.





ROCK		Federal Lease Fee Acreage	Black Marlin W/2 E/2 Horizontal Spacing Unit					Exhibit 2 Case No. 21341
ast, Lea					*			
Range 36 E w Mexico	Tract One Fee Acreage	Tract Two Fee Acreage	Tract Three Fee Acreage	Tract Four Fee Acreage		Tract Five Federal	Lease NMNM 127449	
Township 25 South, Range 36 East, Lea County New Mexico		Section 18				Section 19		
Townsh		S				S		

Tract List



I ract #	Legal	Mineral Ownership Tvpe	Lease Number	rooied Owners
1	NW/4NE/4 of Section 18, Township 25 South Range 36	Fee	N/A	Tap Rock Resources II LLC
	East			The Estate of Louise Heard Kincaid (Unleased MI)
				Meridian 102, LP (Potential Unleased MI)****
2	SW/4NE/4 of Section 18,	Fee	N/A	Tap Rock Resources II LLC
	East			Committed Working Interest Owner
				The Estate of Louise Heard Kincaid (Unleased MI)
				Meridian 102, LP (Potential Unleased MI)****
3	NW/4SE/4 of Section 18,	Fee	N/A	Tap Rock Resources II LLC
	East			The Ohio State University (Unleased MI)
				The Allar Company (Potential Unleased MI as of 10/10/2020)***

 ^{*} Final interest subject to division order title verification

Exhibit 3 Case No. 21341

^{**} Trying to resolve title discrepancy related to this interest

^{***} Lease requires production by 10/10/20, Tap Rock does not anticipate meeting this obligation date ****Potential Unleased MI in NWNE and SWNE due to the horizontal pugh if Tap Rock does not meet the CO/CDC obligations in time



Tract# Legal	Legal	Mineral Ownership Tvpe	Lease Number	Pooled Owners
4	SW/4SE/4 of Section 18, Township 25 South, Range 36 East	Fee	N/A	Tap Rock Resources II LLC The Ohio State University (Unleased MI)
ro	W/2 of Section 19, Township 25 South, Range 36 East	Fed	NMNM127449	Tap Rock Resources II LLC





Entity	Interest Type	Approximate Percentage
Tap Rock Resources II, LLC	Working Interest	96.695375%
	Committed Working Interest	1.562500%
The Estate of Louise Heard Kincaid**	Unleased Mineral Interest	0.585938%
The Ohio State University	Unleased Mineral Interest	0.375000%
Meridian 102, LP ****	Potential Unleased Mineral Interest	0.781250%
The Allar Company***	Potential Unleased Mineral Interest (lease expires 10/10/2020)	

Overriding Royalty Interest

KWF Enterprises, L.P.
HED Enterprises, L.P.
Exile Royalty Company, LLC
Michael A. Kulenguski
Carol A. Noonan
Aaron Childress
Hunter G. Davis
Constitution Resources II, LP
Viper Energy Partners, LLC

Franklin Mountain Royalty Investments, LLC Cayuga Royalties, LLC Prevail Energy, LLC Rheiner Holdings, LLC

Monticello Minerals, LLC

- * Final interest subject to division order title verification
 ** Trying to resolve title discrepancy related to this interest
- *** Lease requires production by 10/10/20, Tap Rock does not anticipate meeting this obligation date
 - ****Potential Unleased MI in NWNE and SWNE due to the horizontal pugh if Tap Rock does not meet the CO/CDC obligations in time

Exhibit 4 Case No. 21341



March 10, 2020

Via Certified Mail

Haskell Foundation 155 E. Indian Avenue, Box 5019 Lawrence, KS 66046

Re: Black Marlin Fed Com Well Proposals

Township 25 South, Range 36 East, E/2 of Sections 18 & 19 (the "Wolfcamp Unit")

Lea County, New Mexico (the "Wells")

Tap Rock Resources II, LLC ("Tap") recently acquired Lilis Energy Inc.'s (ImPetro Oil & Gas, LLC) interest in the Wolfcamp Unit. Accordingly, Tap's operating entity, Tap Rock Operating, LLC ("TRO"), hereby proposes an amended development plan for the Wolfcamp Unit to drill the following Wells by pad drilling to prevent waste and protect correlative rights. Enclosed are AFEs dated March 6, 2020 for the following:

Well Name	Surface Hole Location (SHL)	Bottom Hole Location (BHL)	Formation	TVD	MD
Black Marlin Fed Com #203H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,650'	22,310
Black Marlin Fed Com #204H	NE/4NE/4 Section 18	SE/4SE/4 Section 19	Wolfcamp A	11,650'	22,310
Black Marlin Fed Com #206H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,650'	22,310
Black Marlin Fed Com #213H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #214H	NE/4NE/4 Section 18	SE/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #216H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #222H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp B-U	12,125'	22,785

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. A separate AFE for facility costs is forthcoming. Your election to participate in the drilling and completion of the proposed wells will also be considered an election to participate in the construction of the production facility.

It is our understanding that ImPetro Oil & Gas, LLC had received compulsory pooling Order R-21080 for its Case No. 20791 (the "Case") from the New Mexico Oil Conservation Division related to the Wolfcamp Unit (enclosed). As successor operator, Tap intends to re-open and amend the Case in accordance with its development plans.





Our title research has shown that the lease covering your interest in the Wolfcamp Unit expires soon and TRO believes it may be prevented from obtaining production or otherwise conducting required operations before the expiration date. Therefore, if you do not wish to participate in the Operation, TRO would like to offer the following terms:

- \$1,000 per net mineral acre for a two-year lease extension or
- \$2,500 per net mineral acre for a three-year lease extension.

The lease extension offer is subject to the approval of TRO's board and verification of title.

In the event you elect to participate in the proposed Wells, please execute the enclosed AFEs and return to me within 30 days. TRO is proposing to drill these wells under the terms of the AAPL Form 610-1989 Operating Agreement which will be provided after an election to participate is received. This Operating Agreement covers the E/2 of Sections 18 and 19, Township 25 South, Range 36 East, Lea County, New Mexico.

Additionally, TRO is open to discuss possible other deal structures related to your interest in the proposed Wells. If an agreement cannot be reached within 30 days of the date of this letter, TRO will apply to the New Mexico Oil Conservation Division to re-open the Case and compulsory pool your interest into a spacing unit for the proposed Wells to allow TRO to move forward with planning and drilling the Wells.

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

Sincerely,

TAP ROCK OPERATING, LLC

Taylor Ford

Landman

Office: 720.459.3726 Cell: 806.445.7213 tford@taprk.com

Date:



Haskell Foundation hereby elects to: __ participate in the Black Marlin Fed Com #214H participate in the Black Marlin Fed Com #203H non-consent the Black Marlin Fed Com #214H non-consent the Black Marlin Fed Com #203H participate in the Black Marlin Fed Com #216H participate in the Black Marlin Fed Com #204H non-consent the Black Marlin Fed Com #216H non-consent the Black Marlin Fed Com #204H __ participate in the Black Marlin Fed Com #222H participate in the Black Marlin Fed Com #206H __ non-consent the Black Marlin Fed Com #222H non-consent the Black Marlin Fed Com #206H participate in the Black Marlin Fed Com #213H non-consent the Black Marlin Fed Com #213H By:_____ Name: Title:



March 10, 2020

Via Certified Mail

Advance Energy Partners Hat Mesa, LLC 11490 Westheimer Rd. Suite 950 Houston, TX 77077

dated March 6, 2020 for the following:

Re: Black Marlin Fed Com Well Proposals

Township 25 South, Range 36 East, E/2 of Sections 18 & 19 (the "Wolfcamp Unit") Lea County, New Mexico (the "Wells")

Tap Rock Resources II, LLC ("Tap") recently acquired Lilis Energy Inc.'s (ImPetro Oil & Gas, LLC) interest in the Wolfcamp Unit. Accordingly, Tap's operating entity, Tap Rock Operating, LLC ("TRO"), hereby proposes an amended development plan for the Wolfcamp Unit to drill the following Wells by pad drilling to prevent waste and protect correlative rights. Enclosed are AFEs

Well Name	Surface Hole Location (SHL)	Bottom Hole Location (BHL)	Formation	TVD	MD
Black Marlin Fed Com #203H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,650'	22,310'
Black Marlin Fed Com #204H	NE/4NE/4 Section 18	SE/4SE/4 Section 19	Wolfcamp A	11,650'	22,310
Black Marlin Fed Com #206H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,650'	22,310'
Black Marlin Fed Com #213H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #214H	NE/4NE/4 Section 18	SE/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #216H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp A	11,900'	22,560'
Black Marlin Fed Com #222H	NW/4NE/4 Section 18	SW/4SE/4 Section 19	Wolfcamp B-U	12,125'	22,785

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. A separate AFE for facility costs is forthcoming. Your election to participate in the drilling and completion of the proposed wells will also be considered an election to participate in the construction of the production facility.

It is our understanding that ImPetro Oil & Gas, LLC had received compulsory pooling Order R-21080 (the "Order") for its Case No. 20791 (the "Case") from the New Mexico Oil Conservation Division related to the Wolfcamp Unit (enclosed) and your interest is subject to the Order. As successor operator, Tap intends to re-open and amend the Case in accordance with its development plans.



In the event you elect to participate in the proposed Wells, please execute the enclosed AFEs and return to me within 30 days. TRO is proposing to drill these wells under the terms of the AAPL Form 610-1989 Operating Agreement which will be provided after an election to participate is received. This Operating Agreement covers the E/2 of Sections 18 and 19, Township 25 South, Range 36 East, Lea County, New Mexico.

If you do not wish to participate in the Wells, TRO would like to offer the following terms:

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

The Term Assignment offer is subject to the approval of TRO's board and verification of title. Additionally, TRO is open to discuss possible trades or other deal structures related to your interest in the proposed Wells. If an agreement cannot be reached within 30 days of the date of this letter, TRO will apply to the New Mexico Oil Conservation Division to re-open the Case for compulsory pooling to allow TRO to move forward with planning and drilling the Wells.

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

Sincerely,

TAP ROCK OPERATING, LLC

Taylor Ford

Landman

Office: 720.459.3726 Cell: 806.445.7213 tford@taprk.com



Advance Energy Partners Hat Mesa, LLC hereby elects to:

	participate in the Black Marlin Fed Com #214F
participate in the Black Marlin Fed Com #203Hnon-consent the Black Marlin Fed Com #203H	non-consent the Black Marlin Fed Com #214H
participate in the Black Marlin Fed Com #204H non-consent the Black Marlin Fed Com #204H	participate in the Black Marlin Fed Com #216H
participate in the Black Marlin Fed Com #206Hnon-consent the Black Marlin Fed Com #206H	participate in the Black Marlin Fed Com #222H
participate in the Black Marlin Fed Com #213H non-consent the Black Marlin Fed Com #213H	
By:	
Name:	
Title:	
Date:	

TAP ROCK OPERATING, LLC

602 Park Point Dr, Golden, Colorado 80401 Authorization For Expenditure

Name: Black Marlin Fed Com #203H

ounty: Lea

Date: March 6, 2020 MD/TVD: 22310 / 11650 Lateral Length: 10210 Geologic Target: Wolfcamp A

Well Description: Drill, complete, and equip a horizontal Wolfcamp A well with a 10210 foot lateral. INTANGIBLE DRILLING COSTS INTANGIBLE COMPLETION COSTS INTANGIBLE PRODUCTION COSTS Land - Legal Land - Legal Land - Regulatory
Land - Surface Damages Land - Regulatory
Land - Surface Damages Land - Regulatory Land - Surface Damages 4 Land - Survey 4 Land - Survey Land - Survey Location/Pit Constructi Location/Pit Construct Location/Pit Construction Remedial Dirtwork
Reserve/Frac Pit Closing Remedial Dirtwork Remedial Dirtwork Reserve/Frac Pit Closing Reserve/Frac Pit Closing Drilling - Contractor

Mob/Rig Up - Contractor/Trucking Drilling - Contractor

Mob/Rig Up - Contractor/Trucking Drilling - Contractor

Mob/Rig Up - Contractor/Trucking Cementing Services Cementing Services Cementing Services Cementing Equipment
Bits/Drill Out Assemblies 3 11 Cementing Equipment 3 12 Bits/Drill Out Assemblies Cementing Equipment Bits/Drill Out Assemblies Fluid Circulation Equipment/Services Fluid Circulation Equipment/Services Fluid Circulation Equipment/Services Fluids/Chemicals
WBM Cuttings/Wastewater Disposal Fluids/Chemicals
WBM Cuttings/Wastewater Disposal WBM Cuttings/Wastewater Disposal OBM Cuttings/Chemical Disposal OBM Cuttings/Chemical Disposal OBM Cuttings/Chemical Disposal Fuel/Power Fuel/Power 18 Water Water 3 18 Water Directional Drilling Directional Drilling Directional Drilling Mud Logging Mud Logging Mud Logging
Open/Cased/Production Hole Logs Open/Cased/Production Hole Logs Open/Cased/Production Hole Logs Coring Geologic Supervision Coring Geologic Supervision Coring Geologic Supervision **Engineering Supervision Engineering Supervision** Engineering Supervision
Consultant Supervision Consultant Supervision Consultant Supervision Freight/Transportation Freight/Transportation Freight/Transportation 27 Labor Labor 27 Labor 28 Supplies - Surface 29 Supplies - Living Quarters Supplies - Surface Supplies - Surface 29 Supplies - Living Quarters Supplies - Living Quarters Rentals - Surface Rentals - Surface Rentals - Surface Rentals - Living Quarters Rentals - Downhole Rentals - Living Quarters Rentals - Living Quarters Rentals - Downhole Rentals - Downhole 33 Rentals - Pipe & Handling Tools 34 Rentals - Frac Stack Rentals - Pipe & Handling Tools Rentals - Pipe & Handling Tools Rentals - Frac Stack Rentals - Frac Stack 35 Rentals - Frac Tanks Rentals - Frac Tanks Rentals - Frac Tanks Coil Tubing Unit/Workover Rig Wireline/Slickline/Perforating Coil Tubing Unit/Workover Rig Wireline/Slickline/Perforating Temporary Packers/Plugs Coil Tubing Unit/Workover Rig Wireline/Slickline/Perforating 38 Temporary Packers/Plugs Temporary Packers/Plugs 39 High Pressure Pump Truck
40 Stimulation
41 Rentals - Pressure Control High Pressure Pump Truck Stimulation High Pressure Pump Truck Stimulation Rentals - Pressure Control Rentals - Pressure Control 2 41 Flowback Services
Water Transfer Services
Flowback Water Trucking & Disposal Flowback Services Water Transfer Services Flowback Water Trucking & Disposal Flowback Services Water Transfer Services 210,000 Flowback Water Trucking & Disposal 90,000 Permanent Equipment Installation Pipeline Tapping Services Permanent Equipment Installation Pipeline Tapping Services Permanent Equipment Installation Pipeline Tapping Services Plugging & Abandonment Overhead Insurance 47 Plugging & Abandonment Plugging & Abandonment Overhead Overhead Insurance Contingency Contingency Contingency TOTAL INTANGIBLE DRILLING COSTS: \$3,339,150 TOTAL INTANGIBLE COMPLETION COSTS: \$6,205,600 TOTAL INTANGIBLE PRODUCTION COSTS: \$514,506 TANGIBLE DRILLING COSTS TANGIBLE COMPLETION COSTS TANGIBLE PRODUCTION COSTS DESCRIPTION DESCRIPTION DESCRIPTION 60 Conductor Casing 61 Surface Casing 60 Conductor Casing 61 Surface Casing 6 60 Conductor Casin 6 61 Surface Casing 1st Intermediate Casing 1st Intermediate Casing 62 1st Intermediate Casing 2nd Intermediate Casing 2nd Intermediate Casing 2nd Intermediate Casing 64 Production Casing Production Casing 64 Production Casing Tubing Tubing Tubing 67 Permanent Packers/Hangers/Plugs Permanent Packers/Hangers/Plugs 6 67 Permanent Packers/Hangers/Plugs 68 Tanks
69 Production Vessels 68 Tanks Tanks Production Vessels Production Vessels 70 Compressors Compressors 70 Compressors Surface Flowlines Gathering Lines 71 Surface Flowlines Surface Flowlines Gathering Lines Gathering Lines 73 Valves & Controllers Valves & Controllers 6 73 Valves & Controllers 74 Artificial Lift Equipmen Artificial Lift Equipm Artificial Lift Equipment 75 Instrumentation & Measurement 76 Electrical Grounding/Safety Equipment Instrumentation & Measurement Instrumentation & Measurement Electrical Grounding/Safety Equipment Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Permanent Equipment Installation Permanent Equipment Installation 4 81 Other - Downhole Other - Downhole Other - Downhole TOTAL TANGIBLE DRILLING COSTS: TOTAL TANGIBLE COMPLETION COSTS: \$933,351 \$22,500 TOTAL TANGIBLE PRODUCTION COSTS: \$285,500 TOTAL DRILLING COSTS: \$4,272,500 TOTAL COMPLETION COSTS: \$6,228,100 TOTAL PRODUCTION COSTS: \$800,006 TOTAL WELL COST: \$11,300,606 TAP ROCK RESOURCES COMPANY APPROVAL: NON OPERATING PARTNER APPROVAL: COMPANY NAME: TITLE: SIGNED BY: _ CFO VP - OPERATIONS WORKING INTEREST (%): _ DATE: VP - LAND & LEGAL SENIOR GEOLOGIST TAX ID: APPROVAL:

TAP ROCK OPERATING, LLC

602 Park Point Dr, Golden, Colorado 80401 Authorization For Expenditure

Name: Black Marlin Fed Com #206H
AFE #: 0
County: Lea
State: NM

Date: March 6, 2020 MD/TVD: 22310 / 11650 Lateral Length: 10210 Geologic Target: Wolfcamp A

	ption: D					zontal Wolfcamp A well with a 10210 foo					INTANGIBLE PRODUCTION COSTS	
	INTANGIBLE DRILLING COSTS	AMOUNT	cos	COD		INTANGIBLE COMPLETION COSTS DESCRIPTION	AMOUNT	co	ST C	DDES	DESCRIPTION COSTS	AMOUNT
CODES	DESCRIPTION Land - Legal	10,000	2	1		and - Legal	Amoun	3			Land - Legal	
	Land - Regulatory	5,000	2	2		and - Regulatory		3		2	Land - Regulatory	
	Land - Surface Damages	20,000	2	3		and - Surface Damages		3		3	Land - Surface Damages	
	Land - Survey	10,000	-2	4		and - Survey		3		4	Land - Survey Location/Pit Construction	5.0
	Location/Pit Construction	140,000	2	- 5		ocation/Pit Construction		3		6	Remedial Dirtwork	3,0
	Remedial Dirtwork	0	2	7		temedial Dirtwork teserve/Frac Pit Closing		3	_	7	Reserve/Frac Pit Closing	
	Reserve/Frac Pit Closing Drilling - Contractor	931,522	2	8		Orilling - Contractor		3	t	8	Drilling - Contractor	
	Mob/Rig Up - Contractor/Trucking	123,250	2	9		Mob/Rig Up - Contractor/Trucking		3		9	Mob/Rig Up - Contractor/Trucking	
	Cementing Services	0	2	30		Cementing Services		3		10	Cementing Services	
	Cementing Equipment	0	2	- 11	(Cementing Equipment		13		11	Cementing Equipment	
	Bits/Drill Out Assemblies	0	2	17		Bits/Drill Out Assemblies	43,802	3		12	Bits/Drill Out Assemblies	
	Fluid Circulation Equipment/Services	160,121	2			Fluid Circulation Equipment/Services	47932	3		13	Fluid Circulation Equipment/Services Fluids/Chemicals	
	Fluids/Chemicals	336,930 275,670	2	11		Fluids/Chemicals WBM Cuttings/Wastewater Disposal	47,833	3	-	15	WBM Cuttings/Wastewater Disposal	
	WBM Cuttings/Wastewater Disposal OBM Cuttings/Chemical Disposal	102,100	2	10		OBM Cuttings/Chemical Disposal		_		16	OBM Cuttings/Chemical Disposal	
17	Fuel/Power	211,187	2	-1		Fuel/Power	507.000				Fuel/Power	
18	Water	g	2	1		Water	657,947	3		18	Water	
19	Directional Drilling	390,993	2	1		Directional Drilling				19	Directional Drilling	
20	Mud Logging	43,909	2	.20		Mud Logging			-	20	Mud Logging Open (Cased (Production Hole Logs)	
21	Open/Cased/Production Hole Logs	0	2	2		Open/Cased/Production Hole Logs	10,550			21	Open/Cased/Production Hole Logs Coring	
22	Coring	0	2			Coring Contain Supervision		-	3	23	Geologic Supervision	
23	Geologic Supervision	0	2			Geologic Supervision Engineering Supervision			3	24	Engineering Supervision	
25	Engineering Supervision Consultant Supervision	190,069	2			Consultant Supervision	118,250			25	Consultant Supervision	
26	Freight/Transportation	28,000	2			Freight/Transportation	2,000		3	26	Freight/Transportation	10
27	Labor	0	2			Labor	15,275		3	27	Labor	85
28	Supplies - Surface	2,500	2	2	8	Supplies - Surface	2,000		3	28	Supplies - Surface	
29	Supplies - Living Quarters	1,000	2			Supplies - Living Quarters	2,000		3	29	Supplies - Living Quarters	
30	Rentals - Surface	100,541	2			Rentals - Surface	25,100		3	30	Rentals - Surface Rentals - Living Quarters	
31	Rentals - Living Quarters	48,573	2			Rentals - Living Quarters Rentals - Downhole	18,700		3	31	Rentals - Downhole	
32	Rentals - Downhole Rentals - Pipe & Handling Tools	0	2			Rentals - Pipe & Handling Tools	0		3	33	Rentals - Pipe & Handling Tools	
34	Rentals - Frac Stack		2			Rentals - Frac Stack	102,850		3.	34		
35	Rentals - Frac Tanks		2	-		Rentals - Frac Tanks	31,100		3	35	Rentals - Frac Tanks	
36	Coil Tubing Unit/Workover Rig		. 2	1	6	Coil Tubing Unit/Workover Rig	114,611		3	36	Coil Tubing Unit/Workover Rig	76
37	Wireline/Slickline/Perforating		2	3		Wireline/Slickline/Perforating	355,700	-	3	37		
38	Temporary Packers/Plugs		.2			Temporary Packers/Plugs	67,600	H	3	38	Temporary Packers/Plugs	
39	High Pressure Pump Truck		2			High Pressure Pump Truck	65,000 3,668,947		3	40	High Pressure Pump Truck Stimulation	
40			2			Stimulation Rentals - Pressure Control	3,000,797		3	41		
41	Rentals - Pressure Control Flowback Services		2			Flowback Services	58,500	-	3	42		210
43	Water Transfer Services		2			Water Transfer Services	52,750		3	43		
44	Flowback Water Trucking & Disposal		2			Flowback Water Trucking & Disposal	13,056		3	44	Flowback Water Trucking & Disposal	90
45	Permanent Equipment Installation		2		45	Permanent Equipment Installation			3	45	Permanent Equipment Installation	
46	Pipeline Tapping Services		2		46	Pipeline Tapping Services			3		Pipeline Tapping Services	
47	Plugging & Abandonment	0	2		47	Plugging & Abandonment			3		Plugging & Abandonment	
53	Overhead	18,619	2		53	Overhead	16,880		3	53 54		
54	Insurance Contingency	40,158	2		54	Insurance Contingency	208,149		3	55		
22	TOTAL INTANGIBLE DRILLING COSTS:	\$3,339,150				TOTAL INTANGIBLE COMPLETION COSTS:	\$6,205,600	_			TOTAL INTANGIBLE PRODUCTION COSTS:	\$514,506
	TANGIBLE DRILLING COSTS					TANGIBLE COMPLETION COSTS					TANGIBLE PRODUCTION COSTS	
T CODE		AMOUNT	C	OST CO	DDES	DESCRIPTION	AMOUNT			COD	Conductor Casing	AMOUNT
60	Conductor Casing Surface Casing	42.599	5		51	Conductor Casing Surface Casing			6	61		
62	1st Intermediate Casing	193,263	5	_	52	1st Intermediate Casing			6.		1st Intermediate Casing	
63	2nd Intermediate Casing	322,570	- 5	_	63	2nd Intermediate Casing			6		2nd Intermediate Casing	
64	Production Casing	414,920	5		54	Production Casing	22,500		6	64		
65	Tubing		5		65	Tubing		1	6	65		- 6
66	Wellhead	0	5		55	Wellhead	0	+	6	66		.4
67	Permanent Packers/Hangers/Plugs		15		67	Permanent Packers/Hangers/Plugs		1	6	68		
68	Production Vessels		135	_	68	Tanks Production Vessels		1	6	69		. 8
69					70	Compressors		1	6	70		
70	e f et t				71	Surface Flowlines			6	71	Surface Flowlines	- 3
70						Gathering Lines			6	72	Gathering Lines	
71	Gathering Lines			5	73	Valves & Controllers		1	6		Valves & Controllers	
71 72	Gathering Lines Valves & Controllers					A ALPHA LA LA LOS ME LA			6	74	Artificial Lift Equipment	
71 72 73 74	Valves & Controllers Artificial Lift Equipment		Ė			Artificial Lift Equipment					Instrumentation & Measurement	
71 72 73 74 75	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement			5	75	Instrumentation & Measurement		+	6	75		
71 72 73 74	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment			5	75 76	Instrumentation & Measurement Electrical Grounding/Safety Equipment			6	76	Electrical Grounding/Safety Equipment	
71 72 73 74 75 76 77	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation			5	75 76 77	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation				76	Electrical Grounding/Safety Equipment Permanent Equipment Installation	
71 72 73 74 75	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface			5	75 76	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface			6	76	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface	
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole	\$933.351		5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole	\$22.500		6	70	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface	\$285,50
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE DRILLING COSTS:			5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE COMPLETION COSTS:			6	70	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS:	. Sommerie
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole			5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole			6	70	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS: TOTAL PRODUCTION COSTS:	\$800,00
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE DRILLING COSTS:			5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE COMPLETION COSTS:			6	70	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS:	\$800,00
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE DRILLING COSTS:	\$4,272,500		5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE COMPLETION COSTS:			6 6 6	76 77 80 81	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS: TOTAL PRODUCTION COSTS:	\$800,00
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permannet Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE DRILLING COSTS:	\$4,272,500	OVAL:	5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE COMPLETION COSTS:			6 6 6	76 77 80 81	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS: TOTAL PRODUCTION COSTS:	\$800,00
71 72 73 74 75 76 77 80	Valves & Controllers Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Permannet Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE DRILLING COSTS: TOTAL DRILLING COSTS: TAP ROCK RESOURCES	\$4,272,500	OVAL:	5	75 76 77 80	Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE COMPLETION COSTS:			6 6 6	76 77 80 81	Electrical Grounding/Safety Equipment Permanent Equipment Installation Other - Surface Other - Downhole TOTAL TANGIBLE PRODUCTION COSTS: TOTAL WELL COST: ERATING PARTNER APPROVAL:	\$800,00

TAP ROCK OPERATING, LLC

602 Park Point Dr, Golden, Colorado 80401 Authorization For Expenditure

 Name:
 Black Marlin Fed Com #213H
 Date: March 6, 2020 MD/TVD: 22560 / 11900

 AFE 8I:
 0
 MD/TVD: 22560 / 11900

 County:
 Lateral Length: 10210

 State:
 NM
 Geologic Target: Wolfcamp A

Well Description: Drill, complete, and equip a horizontal Wolfcamp A well with a 10210 foot lateral. INTANGIBLE DRILLING COSTS INTANGIBLE COMPLETION COSTS INTANGIBLE PRODUCTION COSTS COST CODES COST CODES Land - Legal Land - Legal Land - Legal Land - Regulatory Land - Regulatory Land - Regulatory Land - Surface Damages Land - Surface Damages Land - Surface Damages 4 Land - Survey
5 Location/Pit Construction Land - Survey Location/Pit Construction Location/Pit Construction Remedial Dirtwork
Reserve/Frac Pit Closing
Drilling - Contractor Remedial Dirtwork Remedial Dirtwork
Reserve/Frac Pit Closing Reserve/Frac Pit Closing **Drilling - Contractor** Drilling - Contractor Mob/Rig Up - Contractor/Trucking Mob/Rig Up - Contractor/Trucking Mob/Rig Up - Contractor/Trucking Cementing Services Cementing Services Cementing Services Cementing Equipment Cementing Equipment 11 Cementing Equipment Bits/Drill Out Assemblies Fluid Circulation Equipment/Services Bits/Drill Out Assemblies Fluid Circulation Equipment/Services Bits/Drill Out Assemblies Fluid Circulation Equipment/Services Fluids/Chemicals Fluids/Chemicals 14 Fluids/Chemicals WBM Cuttings/Wastewater Disposal WBM Cuttings/Wastewater Disposal WBM Cuttings/Wastewater Disposal 16 OBM Cuttings/Chemical Disposal OBM Cuttings/Chemical Disposal 3 16 OBM Cuttings/Chemical Disposal 17 Fuel/Power Fuel/Power Fuel/Power 3 18 Water 3 19 Directional Drilling 18 Water 19 Directional Drilling Water Directional Drilling Mud Logging Mud Logging Mud Logging Open/Cased/Production Hole Logs Open/Cased/Production Hole Logs Open/Cased/Production Hole Logs 22 Coring 2 22 Coring 3 22 Coring Geologic Supervision
Engineering Supervision
Consultant Supervision Geologic Supervision
Engineering Supervision Geologic Supervision Engineering Supervision Consultant Supervision Consultant Supervision Freight/Transportation Freight/Transportation Freight/Transportation Labor 3 27 Labor 28 Supplies - Surface Supplies - Surface 3 28 Supplies - Surface Supplies - Living Quarters Supplies - Living Quarters Supplies - Living Quarters 30 Rentals - Surface Rentals - Surface 30 Rentals - Surface Rentals - Living Quarters Rentals - Living Quarters Rentals - Living Quarters Rentals - Downhole Rentals - Downhole Rentals - Downhole 33 Rentals - Pipe & Handling Tools Rentals - Pipe & Handling Tools Rentals - Pipe & Handling Tools Rentals - Frac Stack Rentals - Frac Tanks 34 Rentals - Frac Stack Rentals - Frac Stack Rentals - Frac Tanks Rentals - Frac Tanks 36 Coil Tubing Unit/Workover Rig Coil Tubing Unit/Workover Rig Coil Tubing Unit/Workover Rig Wireline/Slickline/Perforating Wireline/Slickline/Perforating Wireline/Slickline/Perforating Temporary Packers/Plugs Temporary Packers/Plugs Temporary Packers/Plugs 39 High Pressure Pump Truck High Pressure Pump Truck High Pressure Pump Truck Stimulation Stimulation Rentals - Pressure Control Stimulation Rentals - Pressure Control Rentals - Pressure Control 1 42 Flowback Services Flowback Services 42 Flowback Services 210,000 Water Transfer Services Water Transfer Services Flowback Water Trucking & Disposal Water Transfer Services Flowback Water Trucking & Disposa Flowback Water Trucking & Disposal 90,006 45 Permanent Equipment Installation Permanent Equipment Installation Permanent Equipment Installation 1 46 Pipeline Tapping Services 1 47 Plugging & Abandonment Pipeline Tapping Services Pipeline Tapping Services 2 47 Plugging & Abandonment 3 47 Plugging & Abandonment 53 Overhead Overhead Overhead Contingency Contingency Contingency TOTAL INTANGIBLE DRILLING COSTS: \$3,326,480 TOTAL INTANGIBLE COMPLETION COSTS: \$6,205,600 TOTAL INTANGIBLE PRODUCTION COSTS: \$514,506 TANGIBLE DRILLING COSTS TANGIBLE COMPLETION COSTS TANGIBLE PRODUCTION COSTS COST CODES DESCRIPTION COST CODES DESCRIPTION COST CODES DESCRIPTION AMOUNT 4 60 Conductor Casing Conductor Casing 6 60 Conductor Casing 6 61 Surface Casing 61 Surface Casing
62 1st Intermediate Casing
63 2nd Intermediate Casing Surface Casing

1st Intermediate Casing 62 1st Intermediate Casing 2nd Intermediate Casing 2nd Intermediate Casing 64 Production Casing Production Casing Production Casing Tubing 6 65 Tubing 4 66 Wellhead Wellhead Wellhead 5 67 Permanent Packers/Hangers/Plugs 5 68 Tanks Permanent Packers/Hangers/Plugs Permanent Packers/Hangers/Plugs 4 68 Tanks 6 68 Tanks 69 Production Vessels Production Vess Production Vessels Compressors Surface Flowlines Compressors Compressors 71 Surface Flowlines Surface Flowlines Gathering Lines Valves & Controllers 72 Gathering Lines Gathering Lines Valves & Controllers Artificial Lift Equipment Valves & Controllers Artificial Lift Equipment Artificial Lift Equipment Instrumentation & Measurement Electrical Grounding/Safety Equipment Instrumentation & Measurement Instrumentation & Measurement Electrical Grounding/Safety Equipment Permanent Equipment Installation Electrical Grounding/Safety Equipment Permanent Equipment Installation Permanent Equipment Installation 5 80 Other - Surface 5 81 Other - Downhole Other - Surface 6 81 Other - Downhole TOTAL TANGIBLE DRILLING COSTS: \$945,021 TOTAL TANGIBLE COMPLETION COSTS: TOTAL TANGIBLE PRODUCTION COSTS: \$285,500 TOTAL DRILLING COSTS: \$4,272,500 TOTAL COMPLETION COSTS: \$6,228,100 TOTAL PRODUCTION COSTS: \$800,006 TOTAL WELL COST: \$11,300,606 TAP ROCK RESOURCES COMPANY APPROVAL: NON OPERATING PARTNER APPROVAL: VP - EXPLORATION COMPANY NAME: TITLE: WORKING INTEREST (%): DATE: VP - LAND & LEGAL SENIOR GEOLOGIST

Summary of Communication



Party Communication	02, LP, potential 3/10/20 – Sent well proposals If only as to the set to the set of the lease due to near term expiration for an additional 2 or 3 sears SWNE due to years Pugh get back to Tap Rock regarding lease extension get back to Tap Rock regarding lease extension 4/24/20 – Present – No agreement was made regarding a lease extension, but the lease is currently held by CO/CDC obligations. The NWNE and SWNE could become unleased due to horizontal pugh if Tap Rock does not meet additional CO/CDC obligations	of Louise Heard Trying to resolve title issues related to this interest	tate University 3/10/20 – Sent well proposals, made contact did not lease based on Ohio law – Ohio State University is restricted from leasing their minerals	Company*** Potential Unleased Mineral Interest (Lease expires 10/10/2020) Tap Rock does not seek to force pool this interest at this time
Party	Meridian 102, LP, potential unleased MI only as to the NWNE and SWNE due to Horizontal Pugh	The Estate of Louise Heard Kincaid	The Ohio State University	The Allar Company***

Exhibit 6 Case No. 21341

 ^{*} Final interest subject to division order title verification

^{**} Trying to resolve title discrepancy related to this interest

^{***} Lease requires production by 10/10/20, Tap Rock does not anticipate meeting this obligation date

^{****}Potential Unleased MI in NWNE and SWNE due to the horizontal pugh if Tap Rock does not meet the CO/CDC obligations in time

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. 21341

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.
 - I have been employed as a petroleum geologist since 2013. I have worked in New Mexico since 2015.



- 5. **Exhibit 8** is a Project Locator Map depicting the location of the Horizontal Spacing Unit ("HSU") within the Delaware Basin. Within Sections 18 & 19 of 25S 36E, are the Black Marlin Fed Com 203H, 206H, & 213H wells (the "Wells").
- 6. **Exhibit 9** is a Gun Barrel Diagram showing the planned Wolfcamp horizontal spacing for the Wells. This diagram shows the projected development of the three Wolfcamp Wells spaced 880' away from the nearest well in the same zone. A nearby type log has been included (for log descriptions, see Exhibit 11 below) to show approximate depths and reservoir quality of the selected landing zones.
- 7. **Exhibit 10** is a Wolfcamp A Structure Map. This map shows the location of the W/2 Black Marlin HSU outlined by the red box. The surface/bottom hole locations of the Wells are shown, zoomed in, to the right. The map is the top of the Wolfcamp A formation in sub-sea vertical depth. The contour intervals are 25 feet each. There is a monoclinal dip down to the southwest. The orientation of the Wells will each be approximately along strike. There are no horizontal wells in the direct vicinity that have targeted similar intervals. However, horizontal wells shown on the map are all Wolfcamp producers. The vertical wells controlling the structure map have the sub-sea vertical depth posted in maroon. The subsequent cross-section from A-A' is also identified to locate our closest control on the reservoir properties for the Wells. I do not observe any faulting, pinch-outs, or other geologic impediments or hazards to developing this targeted interval with a horizontal well.
- 8. **Exhibit 11** is a Wolfcamp Stratigraphic Cross Section (flattened on the Wolfcamp A surface). Wells 2 & 3 (moving left to right) have a triple combo log. Wells 1, 4, & 5 show only gamma ray and/or resistivity and are utilized here to show correlation of our target intervals across the W/2 Black Marlin HSU. 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 Wells. Peach circles on the depth track of Well 3 show the landing target intervals for the Wells within in the green shaded box. The targeted reservoir has a thickness of approximately 825°, but does thicken down to the southwest.

- 9. **Exhibit 12** is an Isopach Map of the Gross Wolfcamp interval. This map shows the location of the W/2 Black Marlin HSU outlined by the red box. The surface/bottom hole locations of the Wells are shown, zoomed in, to the right. The anticipated gross thickness of the interval is ~825 feet throughout the HSU. The contour intervals are 25'. 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 the Wolfcamp formation. The location of the previous cross-section from A-A' is also shown on this map.
 - 10. Based on my geologic study of the area, I conclude the following:
 - a. The horizontal spacing and proration unit is justified from a geologic standpoint.

- There are no structural impediments or faulting that will interfere with horizontal development.
- 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 northwestsoutheast.
- 11. **Exhibit 13** shows a Simplified Wellbore Diagram for each of the Wells in the HSU and demonstrate that the first and last take points for each well will be standard.
- 12. The Exhibits to this Affidavit were prepared by me, or compiled from Tap Rock's company business records.
- 13. The granting of this Application is in the interests of conservation and the prevention of waste.
 - 14. The foregoing is correct and complete to the best of my knowledge and belief.

FI	JRTHER	AFFIANT	SAYETH	NAUGHT
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EMILYLA	NGE		

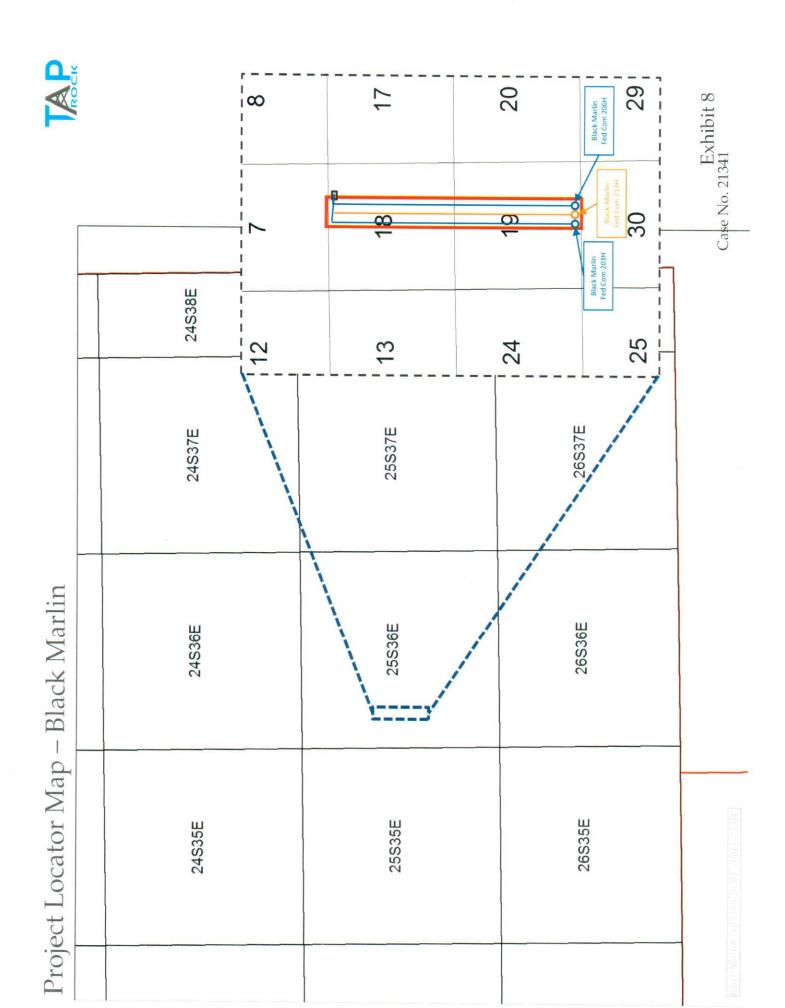
STATE OF COLORADO))ss COUNTY OF JEFFERSON)

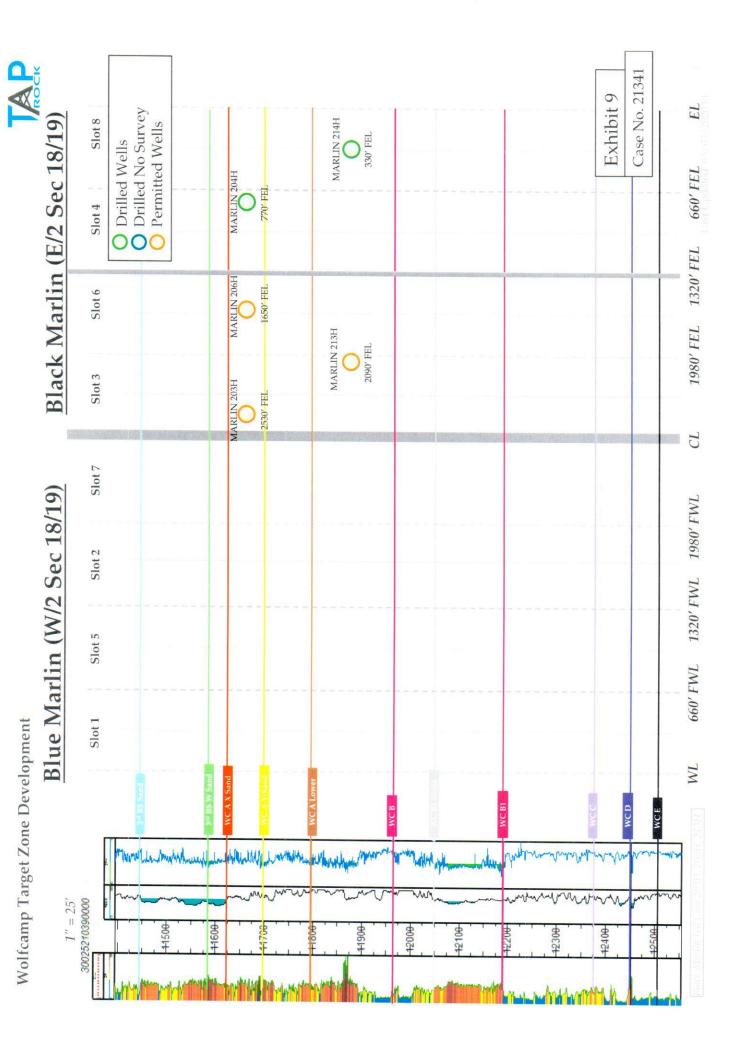
Subscribed to and sworn before me this Unday of January, 2020.

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

Notary Public

My Commission expires 10.4.2022





Top Wolfcamp [Subsea Structure Map; CI=25']



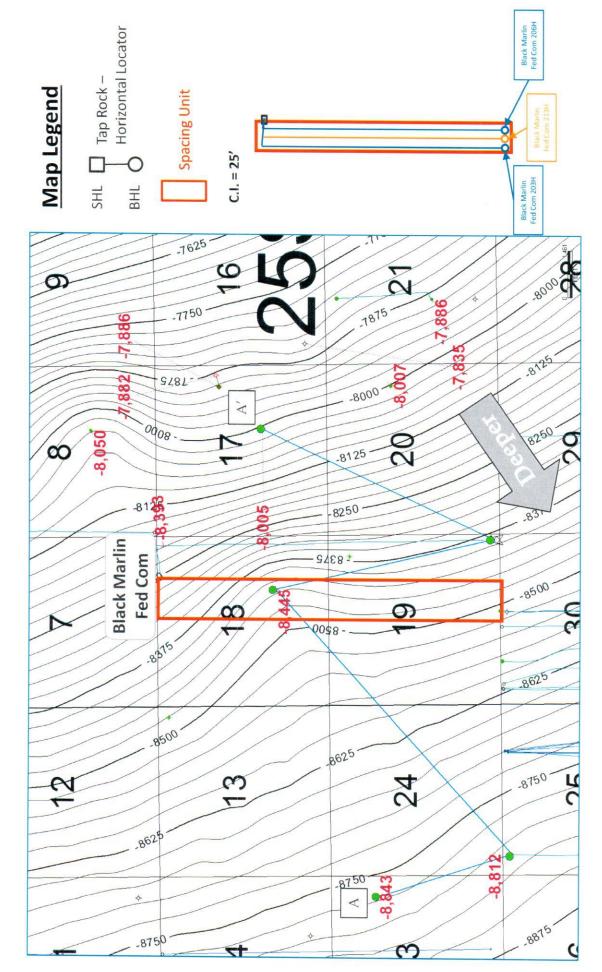
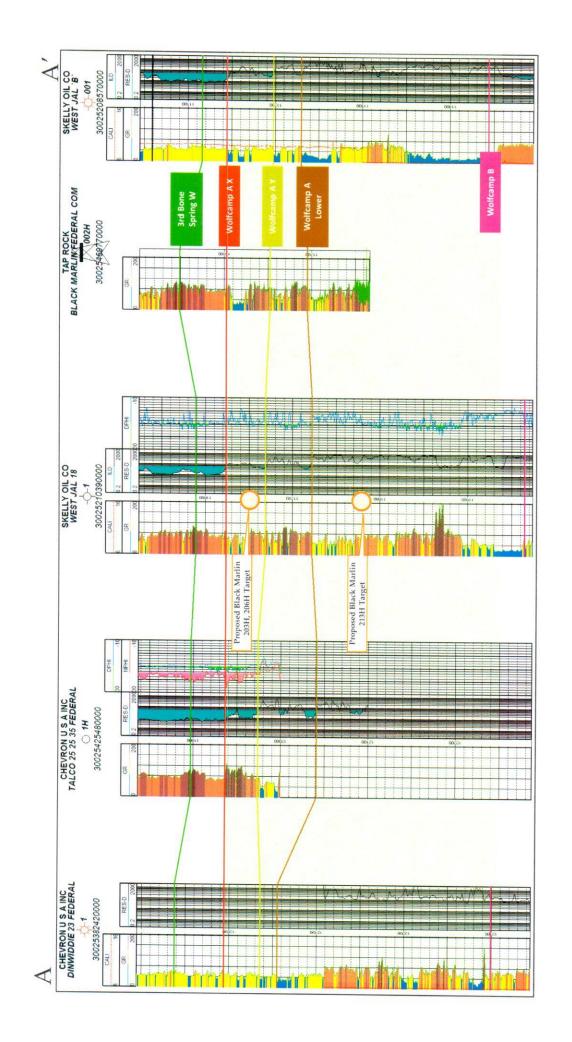


Exhibit 10 Case No. 21341

Stratigraphic Cross-Section – A-A'





1'' = 20'

Gross Wolfcamp [Isopach Map; CI=25']





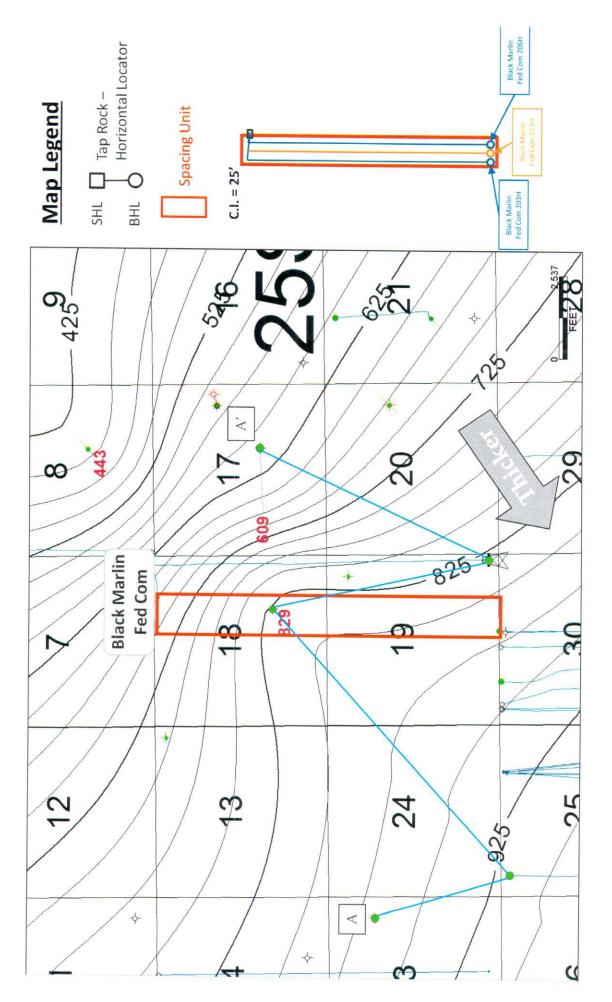


Exhibit 12 Case No. 21341

ELZFack Marlin Fed Com 203H (2 mile S-N Lateral)



*Diagram not to scale North line of Sec 18-255-36E Last perforation no closer than 100' from South Line of Sec 18-255-36E 100' from South Line of Sec 18-255-36E Black Marlin 203H Plan Well Path 100' from South Line of Sec 19-255-36E First perforation no closer than 100' from South Line of Sec 19-25S-36E South Line of Sec 19-25S-36E Black Marlin Fed Com 203H Surface Hole: 185' FNL & 1481' FEL of sec 19-255-36E Bottom Hole: 5' FNL & 2530' FEL of Sec 18-255-36E

Exhibit 13A

Case No. 21341

Black Marlin Fed Com 206H (2 mile S-N Lateral)



*Diagram not to scale Fxhibit 13 K North line of Sec 18-25S-36E Last perforation no closer than 100' from South Line of Sec 18-255-36E 100' from South Line of Sec 18-25S-36E Black Marlin 206H Plan Well Path 100' from South Line of Sec 19-255-36E First perforation no closer than 100' from South Line of Sec 19-255-36E South Line of Sec 19-255-36E Black Marlin Fed Com 206H Surface Hole: 185' FNL & 1431' FEL of sec 19-25S-36E Bottom Hole: 5' FNL & 1655' FEL of Sec 18-25S-36E

Case No. 21341

Black Marlin Fed Com 213H (2 mile S-N Lateral)



*Diagram not to scale C Exhibit 13**K** North line of Sec 18-255-36E Last perforation no closer than 100' from South Line of Sec 18-255-36E 100' from South Line of Sec 18-255-36E Black Marlin 213H Plan Well Path 100' from South Line of Sec 19-25S-36E First perforation no closer than 100' from South Line of Sec 19-255-36E South Line of Sec 19-255-36E Black Marlin Fed Com 213H Surface Hole: 185' FSL & 1456' FEL of sec 19-25S-36E Bottom Hole: 5' FNL & 2090 FEL of Sec 18-25S-36E

Case No. 21341

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

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

Case No. 2134(

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)	
) s	S
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 application filed herein.
- 4. Notice of the application 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: 9/11/2020

James Bruce

EXHIBIT D

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

July 2, 2020

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is an application for compulsory pooling, filed with the New Mexico Oil Conservation Division by Tap Rock Resources, LLC, regarding Wolfcamp wells to be drilled in the W/2E/2 of Section 18 and the W/2E/2 of Section 19, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico.

This case is scheduled for hearing at 8:15 a.m. on Thursday, July 23, 2020 at a place to be determined by the Division. **The hearing may be conducted remotely.** You are not required to attend this hearing, but as an interest owner that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. The docket may be viewed at http://www.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez at Marlene. Salvidrez at location and how to participate in it.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, July 16, 2020. This statement must be filed with the Division's Santa Fe office online at *ocd.hearings@state.nm.us*, 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

Haskell Foundation 155 E. Indian Avenue, Box 5019 Lawrence, KS 66046

James W. Brown 11741 Sky Valley Way NE Albuquerque, NM 87111

Jere L. Berry 18082 West 77 Drive Arvada, CO 80007

Michael Harrison Moore P.O. Box 51570 Midland, TX 79701

The Allar Company P.O. Box 1567 Graham, TX 76450

University of the Southwest 6610 N. Lovington Hwy Hobbs, NM 88240

Jo Anne Blount P.O. Box 165 Glenwood, NM 88039

John W. Brown 10829 Lowe NE Albuquerque, NM 87111

Meridian 102 LP 16400 N. Dallas Parkway, Suite 400 Dallas, TX 75248

The Ohio State University c/o Real Estate and Property Management 53 W. 11th Street Columbus Ohio 43201

Estate of Louise Heard Kincaid/No Address

Advance Energy Partners Hat Mesa, LLC 11490 Westheimer Rd., Suite 950 Houston, TX 77077

Constitution Resources II, LP 5707 Southwest Pkwy Austin, TX 78735

Viper Energy Partners, LLC 500 West Texas Ave Suite 1200 Midland, TX 79701

Michael A. Kulenguski 279 Jones Mountain Road Madison, Virginia 22727

KWF Enterprises HED Enterprises 4925 Greenville Ave., Suite 500 Dallas, TX 75206

Exile Royalty 515 Houston Street Fort Worth, TX 76102

Carol A. Noonan 6121 Woodgarden Lane Benbrook, TX 76132

Aaron Childress 1400 McDonald St Midland, TX 79703

Hunter G. Davis 5005 Heather Road Midland, TX 79703

EXHIBIT

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D Agent D Addressee Date of Delivery D Yes D No	Priority Mail Express®	SENDER: COMPLETE THIS SECTION Complete item. 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.	Haskell Foundation 155 E. Indian Avenue, Box 5019 Lawrence, KS 66046
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Santa Fe, New Mexico 87504 P.O. Box 1056 James Bruce

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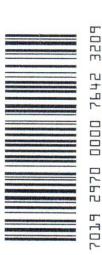
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Affidavit of Publication

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, 2020 and ending with the issue dated June 26, 2020.

Sworn and subscribed to before me this 26th day of June 2020.

Business Manager

My commission expires

January 29, 2023



OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico

My Commission Expires

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

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LEGAL NOTICE June 26, 2020

To: Haskell Foundation, James W. Brown, Jere L. Berry Jo Anne Blount, John W. Brown, Meridian 102 LP, Michael Harrison Moore, The Allar Company, University of the Southwest, The Ohio State University, Louise Heard Kincaid, Veritas Permian Resources LLC, Advance Energy Partners Hat Mesa LLC, KWF Enterprises LP, HED Enterprises, Michael A. Kulenguski, Exile Royalty Company, Carol A. Noonan, Aaron Childress, Hunter G. Davis, and Constitution Resources II LP, or your heirs, devisees, successors or assigns: Tap Rock Resources, LLC has filed an application with the New Mexico Oil Conservation Division seeking an order pooling all mineral interests in the Wolfcamp To: Haskell Foundation, James W. Brown, Jere L New Mexico Oil Conservation Division seeking an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18 and the W/2E/2 of Section 19, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico. The unit will be dedicated Black Marlin Fed. Com. Well Nos. 203H, 206H, and 213H, to be drilled to a depth sufficient to test the Wolfcamp formation. The wells have first take points in the NW/4NE/4 of Section 18 and last take points in the SW/4SE/4 of Section 19. Applicant seeks to dedicate the W/2E/2 of Section 18 and the W/2E/2 of Section 19 to the wells. Also to be considered will be the cost of drilling, completing, be considered will be the cost of drilling, completing, and equipping 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, completing, and equipping the wells. The unit is located approximately 6 miles west-northwest of Jal, New Mexico. The hearing will be conducted on Thursday, July 9, 2020, beginning at 8:15 a.m. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To participate in the hearings, see the instructions posted below; The docket may be viewed at and equipping the wells and the allocation of the

The docket may be viewed at http://www.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez@state.nm.us. Documents filed in the control of these cases may be viewed at http://ocdimage.emnrd.state.nm.us/imaging/CaseFileCriteria.aspx. Persons may view and participate in the hearing through the following link:

(1) Meeting number: 968 329 152, Password: YQe6KZBe3n6,

https://nmemnrd.webex.com/nmemnrd/j.php?MTID= mb3ddb90721ccc17207709b8c71dc2ac1; (2) Join by video system: Dial 968329152@nmemnrd.webex.com; you can also dial 173.243.2.68 and enter your meeting number.

(3) Join by phone at 1-408-418-9388, Access code: 968 329 152.

As an interest owner to the well unit you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, jamesbruc@aol.com. The unit is located approximately 6 miles northwest of Jal, New Mexico. #35613

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



COMPULSORY POOLING APPLICATION CHECKLIST

Case:	ATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Date	21341	
	September 24, 2020	
Applicant	Tap Rock Resources, LLC	
Designated Operator & OGRID	Tap Rock Operating, LLC/OGRID No. 372043	
(affiliation if applicable)	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:	The Allar Company/Ernest L. Padilla	
	Franklin Mountain Energy Royalty Investments, LLC and Sandia Minerals, LLC/Modrall Law Form Advance Energy Partners Hat Mesa, LLC/Hinkle Law Firm	
<u> </u>		
	Starboard Permian Resources, LLC, Monticello Minerals, LLC, and Max	
	Permian, LLC/Holland & Hart LLP	
Well Family	Black Marlin Wells	
Formation/Pool		
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:	Jal; Wolfcamp, West/33813	
Well Location Setback Rules:	Statewide rules and current horizontal well rules	
Spacing Unit Size:	Quarter-quarter sections/40 acres	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	320 acres	
Building Blocks:	40 acres	
Drientation:	North-South	
Description: TRS/County	W/2E/2 §18 and W/2E/2 §19-25S-36E, NMPM, Lea County	
Standard Horizontal Well Spacing Unit Y/N), If No, describe	Yes	
Other Situations		
Depth Severance: Y/N. If yes, description	No	
Proximity Tracts: If yes, description	No EXHIBIT	
Proximity Defining Well: if yes, description		
Applicant's Ownership in Each Tract	Exhibits B-3 and B-4	
Vell(s)		
Name & API (if assigned), surface and pottom hole location, footages, completion target, orientation,	Black Marlin Fed. Com. Well No. 203H API No. 30-025-Pending SHL: 185 FNL & 1481 FEL §18	

completion status (standard or non- standard)	BHL: 5 FSL & 2530 FEL §19 FTP: 100 FNL & 2530 FEL §18 LTP: 100 FSL & 2530 FEL §19 Formation: Wolfcamp/TVD 11650 feet/MD 22310 feet Completion location expected to be non-standard
	Black Marlin Fed. Com. Well No. 206H API No. 30-025-Pending SHL: 185 FNL & 1431 FEL §18 BHL: 5 FSL & 1655 FEL §19 FTP: 100 FNL & 1655 FEL §18 LTP: 100 FSL & 1655 FEL §19 Formation: Wolfcamp/TVD 11650 feet/MD 22310 feet Completion location expected to be standard
	Black Marlin Fed. Com. Well No. 213H API No. 30-025-Pemding SHL: 185 FNL & 1456 FEL §18 BHL: 5 FSL & 2090 FEL §19 FTP: 100 FNL & 2090 FEL §18 LTP: 100 FSL & 2090 FEL §19 Formation: Wolfcamp/TVD 11900 feet/MD 22560 feet Completion location expected to be non-standard
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See Above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$7000
Production Supervision/Month \$	\$700
Justification for Supervision Costs	Exhibit B page 3
Requested Risk Charge	Cost + 200%/Exhibit B page 3
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit D
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E
Ownership Determination	
Land Ownership Schematic of the	
Spacing Unit	Exhibit B-2
Tract List (including lease numbers and	
owners)	Exhibits B-3 and B-4
Pooled Parties (including ownership	
type)	Exhibit B-4
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit B-5

List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit B- 4
Chronology of Contact with Non-Joined Working Interests	Exhibit B-6
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit B-5
Cost Estimate to Equip Well	Exhibit B-5
Cost Estimate for Production Facilities	Exhibit B-5
Geology	1000 1000 1000 1000 1000 1000 1000 100
Summary (including special considerations)	Exhibit C
Spacing Unit Schematic	Exhibit C-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit C-9
Well Orientation (with rationale)	Standup/Exhibit C
Target Formation	Wolfcamp
HSU Cross Section	Exhibit C-11
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit B-1
Tracts	Exhibit B-2
Summary of Interests, Unit	
Recapitulation (Tracts)	Exhibit B-3
General Location Map (including basin)	Exhibit C-8
Well Bore Location Map	Exhibit C-9
Structure Contour Map - Subsea Depth	Exhibit C-10
Cross Section Location Map (including wells)	Exhibit C-11
Cross Section (including Landing Zone)	Exhibit C-11
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	Janus Bruce
Date:	September 22, 2020

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