Before the Oil Conservation Division Examiner Hearing December 12, 2019

Case No. 20945 Ares 7 SB Fee 7H



Marathon Ares Cases: Nos. 20945

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

APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPUSLORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20945(ARES 7 SB FEE 7H)

AFFIDAVIT

STATE OF TEAMS	?
) ss.
COUNTY OF MIDLAND)
Jeff Broussard, being duly sworn, de	poses and states:

OT A TITE CAR TITEM A C

- 1. I am over the age of 18, I am a landman for Marathon Oil Permian LLC and have personal knowledge of the matters stated herein. I have been qualified by the Oil Conservation Division ("Division") as an expert petroleum landman.
- 2. My area of responsibility at Marathon includes the area of Eddy County in New Mexico.
 - 3. I am familiar with the application filed by Marathon in this case.
 - 4. I am familiar with the status of the lands that are subject to this application.
- 5. I submit the following information pursuant to NMAC 19.15.4.12.A(1) in support of the above referenced compulsory pooling application.
- 6. The purpose of this application is to force pool working interest owners into the horizontal spacing unit described below, and in the well to be drilled in the unit.



- 7. No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests in the well.
- 8. In this case, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the **Ares 7 SB Fee 7H** well, to be horizontally drilled. The Application is attached hereto as **Exhibit 1**.
- 9. Attached as Exhibit 2 is the proposed C-102 for the well. The well will develop the Culebra Bluff; Bone Spring, South, Pool Code, 15011, which is an oil pool.
- 10. The producing interval for the well will be orthodox and will comply with the Division's set back requirements.
- 11. A lease tract map outlining the unit being pooled is attached hereto as **Exhibit** 3. The parties being pooled and the percent of their interests is also included as part of Exhibit 3.
 - 12. There are no depth severances within the proposed spacing unit.
- 13. I have conducted a diligent search of the public records in the county where the well is located, and conducted phone directory and computer searches to locate contact information for parties entitled to notification, and mailed all parties well proposals, including an Authorization for Expenditure.
- 14. Marathon is continuing to negotiate with unleased mineral interest owners and working interest owners and will notify the Division if it reaches an agreement with any unleased mineral interest owners and/or working interest owners.

- 15. In my opinion, Marathon has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed well.
- 16. **Exhibit 4** contains examples of the well proposal letter that I sent to all working-interest owners and unleased mineral interest owners. The proposal letter identifies the proposed first take point, last take point, and approximate TVD. It also contains separate elections for each well.
- 17. Exhibit 5 contains the Authorization for Expenditure for the proposed well. The estimated cost of the well set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depths and length drilled in this area of New Mexico.
- 18. Marathon requests overhead and administrative rates of \$7500.00/month for drilling a well and \$750.00/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. Marathon requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- 19. Marathon requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
 - 20. Marathon requests that it be designated operator of the well.
- 21. Marathon requests that it be allowed a period of one (1) year between when the well is drilled and when the well is completed under the order.
 - 22. The parties Marathon is seeking to pool were notified of this hearing.
 - 23. Marathon requests that overriding royalty interest owners be pooled.
- 24. **Exhibit 6** is an affidavit of notice prepared by counsel for Marathon that shows the parties who were notified of this hearing, the status of whether they received notice, and an

affidavit of publication from the Carlsbad Current-Argus newspaper, showing that notice of this hearing was published on November 26, 2019.

- 25. The attachments to this affidavit were prepared by me, or compiled from company business records, or were prepared at my direction.
- 26. I attest that the information provided herein is correct and complete to the best of my knowledge and belief.
- 27. The granting of this application is in the interests of conservation and the prevention of waste.

[Signature page follows]

SUBSCRIBED AND SWORN to before me this 24 day of December, 2019 by Jeff Broussard on behalf of Marathon Oil Permian LLC.

My commission expires: 1/a3/2023

JESSICA GORMAN
Notary Public, State of Texas
Commission Expires 01-23-2023
Notary ID 13008780-4

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

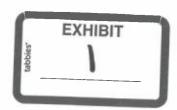
APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20945

APPLICATION

Marathon Oil Permian LLC ("Marathon"), OGRID Number 372098, through its undersigned attorneys, hereby makes an application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. In support of this application, Marathon states as follows:

- 1. Marathon is an interest owner in the subject lands and has a right to drill a well thereon.
- 2. Marathon seeks to dedicate the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico to form a 160-acre, more or less, spacing unit.
- 3. Marathon plans to drill the Ares 7 SB Fee 7H well to a depth sufficient to test the Bone Spring formation. This well will be horizontally drilled and will be drilled at orthodox locations under the Division's rules.



- 4. Marathon sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the well or to otherwise commit their interests to the well.
- 5. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.
- 6. Marathon further requests that it be allowed one (1) year between the time the well is drilled and completion of the well under the order issued by the Division.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on December 12, 2019, and after notice and hearing as required by law, the Division enter its order:

- A. Pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit within the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico;
- B. Designating Marathon as operator of this unit and the well to be drilled thereon;
- C. Authorizing Marathon to recover its costs of drilling, equipping and completing the well;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;
- E. Setting a 200% charge for the risk involved in drilling and completing the well in the event a working interest owner elects not to participate in the well.
- F. Allowing a time period of one (1) year between when the well is drilled and when it is completed under the order.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS & SISK, P.A.

Deana M. Bennett

Nicole T. Russell

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800 Attorneys for Applicant CASE NO. _______: Application of Marathon Oil Permian LLC for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Ares 7 SB Fee 7H well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 2.5 miles Northwest of Loving, New Mexico.

District I
1625 N. French Dr., Hobbs. NAI 88240
Phone: (575) 393-6161 Fax (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fex (575) 748-9720
District III
1000 Kio Hirazos Rond, 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 OH. CONSERVATION DIVISION 1220 South St. Francis Dr.

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION DLAT

Santa Fe, NM 87505

1	API Number	r		Pool Code 5011		Culebra Bluff; Bone Spring, South				
⁴ Property	Code								Vell Number 7H	
'ogrid 37209			J	MARAT	-				Elevation 3061	
					M Surface I	ocation				
UL or let no.	Section 7	Township 23S	Range 28E	Lot Idn	Feet from the 645	North/South line SOUTH	Feet from the	WEST	County	
			" Bott	om Hole	Location If I	Different From	Surface			
UL, or lot no.	Section 7	Township 23S	Range 28E	Lof Idn	Feet from the	North/South line NORTH	1980	WEST	EDDY	
Dedicated Acre	s Joint of	r Infill 4 C	onsolidation Co	ode 15 Orde	r 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.

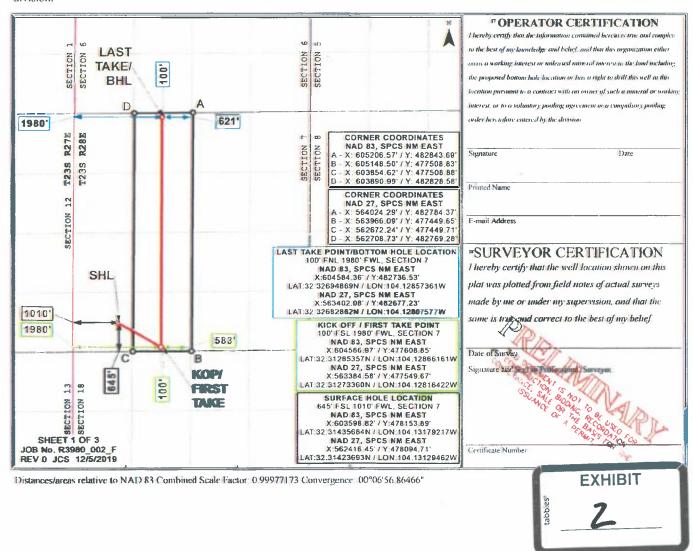
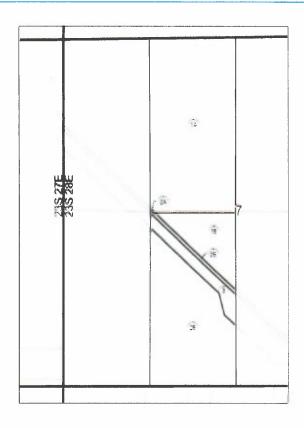


Exhibit "B" Lease Tract Map Ares 7 SB Fee 7H E/2 W/2 of Section 7, T23S-R28E- 158.05 acres



- Tract 1A: Fee Acreage
- Tract 1B: Fee Acreage
- Tract 2A: Fee Acreage
- Tract 2B: Fee Acreage
- Tract 3: Fee Acreage





Exhibit "B" Lease Tract Map Ares 7 SB Fee 7H E/2 W/2 of Section 7, T23S-R28E- 158.05 acres

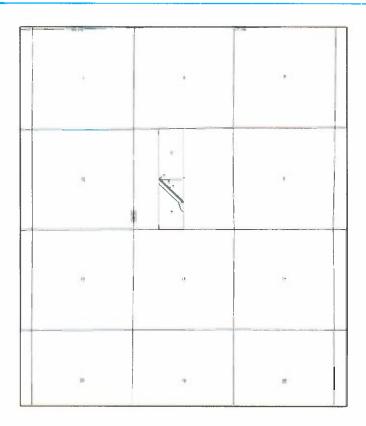




Exhibit "C" Summary of Interests Ares 7 SB Fee 7H E/2 W/2 of Section 7, T23S-R28E- 158.05 acres

Committed Working Interest:	52.720155%
Marathon Oil Permian LLC	52.711267%
Fasken Land & Minerals, Ltd.	0.008889%
Uncommitted Working Interest:	39.771721%
Tumbler Operating Partners, LLC	39 498131%
Accelerate Resources Operating, LLC	0_273590%
Unleased Mineral Interest:	7.508124%
State of New Mexico, Dept. of Transportation	1.236065%
Estate of Esther Montoya Aquilar	1.094361%
Estate of Elias "Lee" Montoya c/o Ramona V Montoya	1,094361%
Estate of Wanda (Jimenez) Barron	1,094361%
Esther Gomez Hernandez	0.547181%
Maria P. Barron	0.547181%
Ranchito AD4, LP	0,547181%
Hope Morningstar	0.273590%
Mary Lou Hernandez	0.273590%
Margaret Carrasco	0.273590%
Diane Montoya Carrasco	0.218872%
Connie Hernandez	0.218872%
MCM Permian, LLC	0.088917%
Overriding Royalty Owners: Mineral Warehouse #1 LLC	
Stryker Energy, LLC	
Excess Investments, LLC	



Jeffrey Broussard



Marathon Oil Permian LLC 5555 San Felipe Street Houston, Texas 77056 Telephone: 713-296-3159 jbroussard1@marathonoil.com

September 5, 2019

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED 7019 0700 0000 8791 1961

Tumbler Energy Partners, LLC 1701 River Run, Suite 306 Fort Worth, TX 76107

Re:

Ares 7 Fee 7H Well Proposal

W/2 of Section 28, Township 23 South, Range 28 East

Eddy County, New Mexico

Dear Tumbler Energy Partners, LLC:

The records of Marathon Oil Permian LLC ("Marathon") indicates that you own an unleased mineral interest in the W/2 Section 7, 23S-28E. As an unleased mineral owner, Marathon would like to offer you the opportunity to lease your minerals to Marathon at the below lease terms:

This offer to lease terminates October 7, 2019 and is subject to due diligence and title verification satisfactory to Marathon. Should you be agreeable to this offer to lease, please sign the lease form in the presence of a notary and complete the IRS Form W-9 included in this proposal and return them in the enclosed self-addressed, stamped envelope.

Marathon proposes the drilling of the following well located in Section 7, 23S-28E, Eddy County, New Mexico. Should you not elect to lease, Marathon would also like to offer you the opportunity to participate in the drilling of the well as a working interest owner.

Well Name	SHL	ВНІ	Proration Unit	Target TVD	Est. MD
Ares 7 SB Fee 7H	1010' FWL & 645' FNL	1980' FWL & 100' FNL	E/2 W/2 of Sec. 7	7852'	13313'

The proposed location and target depth are subject to change depending on any surface or subsurface concerns encountered. The AFE represent an estimate of the costs that will be incurred to drill and complete the well, but those electing to participate in the well are responsible for their proportionate share of the actual costs incurred.

Marathon proposes drilling the well under the terms of the 1989 AAPL JOA, and if you are interested in participating, please execute and return the enclosed JOA. The JOA has these general provisions:

- 100%/300%/300% non-consent penalty
- \$7,500/\$750 drilling and producing rates



• Contract area of W/2 of Section 7, 23S-28E, covering the depths from the top of the Bone Spring formation to the base of the Wolfcamp formation

If your election is to participate in the drilling and completion of the well, please sign and return a copy of this letter along with the enclosed AFE within thirty (30) days of receipt of this proposal.

Should you have any questions regarding this or other matters, please do not hesitate to contact me at the above listed phone number or email.

Sincerely,
Jeffrey Broussard
Marathon Oil Permian LLC
Tumbler Energy Partners, LLC elects to participate in the drilling, completing, and equipping of the Ares 7 SB Fee 7H. Tumbler Energy Partners, LLC elects NOT to participate in the drilling, completing, and equipping of the Ares 7 SB Fee 7H.
Tumbler Energy Partners, LLC
Ву:
Print Name:
Title:
Date:





Marathon Oil Permian LLC 5555 San Felipe Street Houston, Texas 77056 Telephone: 713-296-3159 jbroussard1@marathonoil.com

September 5, 2019

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED 7019 0700 0000 8791 1923

Tumbler Operating Partners, LLC 1701 River Run, Suite 306 Fort Worth, TX 76107

Re:

Ares 7 Fee 7H Well Proposal

W/2 of Section 7, Township 23 South, Range 28 East

Eddy County, New Mexico

Dear Tumbler Operating Partners, LLC:

Marathon Oil Permian LLC ("Marathon") proposes the drilling of the following well located in Section 7, 23S-28E, Eddy, New Mexico.

Well Name	SHL	BHL	Proration Unit	Target TVD	Est. MD
Ares 7 SB Fee 7H	1010' FWL & 645' FNL	1980' FWL & 100' FNL	E/2 W/2 of Sec. 7	7852'	13313'

The proposed location and target depth are subject to change depending on any surface or subsurface concerns encountered. The AFE represent an estimate of the costs that will be incurred to drill and complete the well, but those electing to participate in the well are responsible for their proportionate share of the actual costs incurred.

Marathon proposes drilling the well under the terms of the 1989 AAPL JOA. Enclosed is a draft of the JOA covering the contract area. The JOA has the following general provisions:

- 100%/300%/300% non-consent penalty
- \$7,500/\$750 drilling and producing rates
- Contract area of W/2 of Section 7, 23S-28E, covering from the top of the Bone Spring Formation to the base of the Wolfcamp formation

If your election is to participate in the drilling and completion of the well, please sign and return a copy of this letter along with the enclosed AFE within thirty (30) days of receipt of this proposal.

If you do not wish to participate, Marathon proposes to acquire your interest via term assignment at the following terms:

---4

This term assignment offer terminates on October 7, 2019 and is subject to due diligence and title verification satisfactory to Marathon.

Should you have any questions regarding this or other matters, please do not hesitate to contact me at the above listed phone number or email.

above instead phone mainteer of entain.
Sincerely,
gabano de la companya della companya
Jeffrey Broussard
Marathon Oil Permian LLC
Tumbler Operating Partners, LLC elects to participate in the drilling, completing, and equipping of the Ares 7 SB Fee 7H. Tumbler Operating Partners, LLC elects NOT to participate in the drilling, completing, an equipping of the Ares 7 SB Fee 7H.
Tumbler Operating Partners, LLC
Ву:
Print Name:
Title:
Date

Jeffrey Broussard Landman



Marathon Oil Permian LLC 5555 San Felipe Street Houston, Texas 77056 Telephone: 713-296-3159 jbroussard1@marathonoil.com

September 5, 2019

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED 7019 0700 0000 8791 2098

Genevieve Andrews 2001 Peppertree Court Carlsbad, NM 88220

Re:

Ares 7 Fee 7H Well Proposal

W/2 of Section 28, Township 23 South, Range 28 East

Eddy County, New Mexico

Dear Genevieve Andrews:

The records of Marathon Oil Permian LLC ("Marathon") indicates that you own an unleased mineral interest in the W/2 Section 7, 23S-28E. As an unleased mineral owner, Marathon would like to offer you the opportunity to lease your minerals to Marathon at the below lease terms:

This offer to lease terminates October 7, 2019 and is subject to due diligence and title verification satisfactory to Marathon. Should you be agreeable to this offer to lease, please sign the lease form in the presence of a notary and complete the IRS Form W-9 included in this proposal and return them in the enclosed self-addressed, stamped envelope.

Marathon proposes the drilling of the following well located in Section 7, 23S-28E, Eddy County, New Mexico. Should you not elect to lease, Marathon would also like to offer you the opportunity to participate in the drilling of the well as a working interest owner.

Well Name	SHL	BHL	Proration Unit	Target TVD	Est. MD
Ares 7 SB Fee 7H	1010' FWL & 645' FNL	1980' FWL & 100' FNL	E/2 W/2 of Sec. 7	7852'	13313'

The proposed location and target depth are subject to change depending on any surface or subsurface concerns encountered. The AFE represent an estimate of the costs that will be incurred to drill and complete the well, but those electing to participate in the well are responsible for their proportionate share of the actual costs incurred.

Marathon proposes drilling the well under the terms of the 1989 AAPL JOA, and if you are interested in participating, please execute and return the enclosed JOA. The JOA has these general provisions:

- 100%/300%/300% non-consent penalty
- \$7,500/\$750 drilling and producing rates

• Contract area of W/2 of Section 7, 23S-28E, covering the depths from the top of the Bone Spring formation to the base of the Wolfcamp formation

If your election is to participate in the drilling and completion of the well, please sign and return a copy of this letter along with the enclosed AFE within thirty (30) days of receipt of this proposal.

Should you have any questions regarding this or other matters, please do not hesitate to contact me at the above listed phone number or email.

Sincerely,
94B-0
Jeffrey Broussard
Marathon Oil Permian LLC
Genevieve Andrews elects to participate in the drilling, completing, and equipping of the Ares 7 SB
Fee 7H.
Genevieve Andrews elects NOT to participate in the drilling, completing, and equipping of the Ares 7 SB Fee 7H.
Canadiana Androna
Genevieve Andrews
Ву:
Print Name:
Title:
Date:

MARATHON OIL PERMIAN LLC AUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS OATE 8/15/2019

DRILLING & LOCATION PREPARED BY MATTHEW RUGAARD

COMPLETION PREPARED BY JOSH SHANNON

FACILITIES PREPARED BY RICK LINOSAY

ARTIFICIAL LIFT PREPARED BY RICK LINOSAY

Asset Team	PERMIAN				
Field	Culebra Bluff; Bone FO	RMATION: 2ND BONE SE	PRINGS	WILDCAT	EXPLORATION
Lease/Facility	Ares 7 58 Fee 7H			DEVELOPMENT	RECOMPLETION
Location	EDDY COUNTY			X EXPLOITATION	WORKOVER
Prospect	MALAGA				
Est Total Depth	13,313	Est Drilling Days _		Est Completion	n Days S.S
LOCATION COST	INTANGIBLE				
GL CODE		DESCRIPTION			ESTIMATED COST
7001270	Location and Access				100,500
7001250	Land Broker Fees and Services				67,500
	TOTAL LOCATION COST - INTANGIBLE				168,000
DRILLING COST -	ANGIRIE				
DRIEEING COST -	ANOIDEE				

7012050	Conductor Pipe	-			28,000
7012050	Surface Casing				66,000
7012050	Intermediate Casing 1				66,000
	Intermediate Casing 2				213,000
7012050	Production Casing				
7012050	Drig Liner Hanger, Tleback Eq & Csg Ac	cessones			10,000
7012550	Drilling Wellhead Equipment				24,000
7012040	Casing & Tubing Access				5,000
7012270	Miscellaneous MRO Materials	-			
	TOTAL ORIUNIC TANCING				424.000
	TOTAL DRILLING - TANGIBLE				434,000
DRILLING COST -	NTANGIBLE				
					ee 000
7019200	Drilling Rig Mob/Demob				65,000
7019220	Drilling Rig - day work/footage	-			
7019040	Directional Drilling Services				105,000
7019020	Cement and Cementing Service		urface		15,000
7019020	Cement and Cementing Service		ntermed		25,000
7019020	Cement and Cementing Service		ntermed		
7019020	Cement and Cementing Service	P	Productio	п	110,000
7019140	Mud Fluids & Services				57,000
7012310	Solids Control equipment				23,000
7012020	Bits				72,000
7019010	Casing Crew and Services				30,000
7016350	Fuel (Rig)				42,000
7019140	Fuel (Mud)				18,000
7001460	Water (non potable)				25,000
7012350	Water (potable)				5,000
7019000	Well Logging Services				9,000
7019150	Mud Logging+geosteering	(Bul			15,000
7019250	Stabilizers, Hole Openers, Underreame	rs [Un rentals]		-	15,000
7019110	Casing inspection/cleaning				
7019110	Drill pipe/collar inspection services				10,000
7016180	Freight - truck Water hauling and disposal (includes s	all familias			25,000 60,000
7001460 7001160	Contract Services - Disposal/Non-Hazar	on rarming)			80,000
7001140	Vacuum Trucks	10003 Waste			10,000
7001440					30,000
7000030	Contract Labor - general Contract Labor - Operations				3,000
7001200	Contract Services - Facilities				10,000
701230	Well Services - Well Control Services				16,875
7019350	Well Services - Well/Wellhead Services				10,000
7019350	Rental Tools and Equipment (surface re				55,000
7018150	Rig Equipment and Misc.				6,875
7018130	Telecommunications Services				5,000
7001120	Consulting Services				64,625
7001400	Safety and Environmental				22,000
7018120	Rental Buildings (trailers)				11,000
7019310	Coring (sidewalls & analysis)				
7011010	7% Contingency & Taxes				129,894
	TOTAL DRILLING - INTANGIBLE				\$1,551,519
•					
	TOTAL DRILLING COST				\$1,985,519
COMPLETION - TA	NGIBLE				
7012580	Tubing				
7012040	Tubing Accessories (nipple, wireline en	atry)			
7012550	Wellhead Equip				15,000
7012560	Packers - Completion Equipment				

	TOTAL COMPLETION - TANGIBLE				\$15,000

	EXHIBIT
tabbies:	5

Title:

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

APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPUSLORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20945

AFFIDAVIT

COUNTY OF BERNALILLO)
Deana M. Bennett, attorney in fact and authorized representative of Marathon Oil
Permian LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-
referenced Application was sent under a notice letter, provided herewith, and that proof of

SUBSCRIBED AND SWORN to before me this 5th day of December, 2019 by Deana M.

Bennett.

STATE OF NEW MEXICO

receipt is attached hereto.

Notary Public

My commission expires: 02-27-21

My Commission Expires:





November 20, 2019

Deana M. Bennett 505.848.1834 dmb@modrall.com

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

Re: APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20945

TO: AFFECTED PARTIES

This letter is to advise you that Marathon Oil Permian LLC ("Marathon") has filed the above-listed application.

In Case No. 20945, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Ares 7 SB Fee 7H well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed.

This case has been set for hearing before a Division Examiner on December 12, 2019, starting at 8:15 a.m. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. As a party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in the case, including the right to present evidence either in support of or in opposition to the application. Failure to appear at the hearing may preclude you from any involvement in the case at a later date.

You are further notified that if you desire to appear in this case, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the

Modrall Sperling Roehl Harris & Sisk P.A.

500 Fourth Street NW Suite 1000 Albuquerque, New Mexico 87102

PO Box 2168 Albuquerque, New Mexico 87103-2168

Tel: 505.848.1800 www.modrall.com

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Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely, Delha M Bennett

Deana M. Bennett

Attorney for Applicant

Karlene Schuman Modrall Sperling Roehl Harris & Sisk P.A. 500 Fourth Street, Suite 1000 Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL 11/20/2019



Firm Mailing Book ID: 179496

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0065 9607 49	DSD Energy Resources, LLC PO Box 229 Fort Worth TX 76101	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
2	9314 8699 0430 0065 9607 63	Fasken Land & Minerals, LTD 303 W. Wall St., Suite 1800 Midland TX 79701	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
3	9314 8699 0430 0065 9607 70	Llano Natural Resources, LLC 4920 S. Loop 289, Suite 206 Lubbock TX 79414	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
4	9314 8699 0430 0065 9607 87	OXY USA WTP Limited Partnership 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
5	9314 8699 0430 0065 9607 94	Tumbler Operating Partners LLC 1701 River Run, Suite 306 Fort Worth TX 76107	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
6	9314 8699 0430 0065 9608 00	1836 Royalty Partners, LLC 306 W. Wall St., Suite 620 Midland TX 79701	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
7	9314 8699 0430 0065 9608 17	Connie Hernandez 3528 Grandi Rd. Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
8	9314 8699 0430 0065 9608 24	Diane Montoya Carrasco 3414 Grandi Rd. Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
9	9314 8699 0430 0065 9608 31	Esther Gomez Hernandez 1509 W. Greene Street Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
10	9314 8699 0430 0065 9608 48	Esther Montoya Aguilar 1414 Ortega Street Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
11	9314 8699 0430 0065 9608 55	Hope Morningstar 7821 Seward Ave. Cincinnati OH 45231	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
12	9314 8699 0430 0065 9608 62	Maria P. Barron 1612 W. Bronson St. Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
13	9314 8699 0430 0065 9608 79	MCM Exploration Company, LLC PO Box 1540 Midland TX 79702	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
14	9314 8699 0430 0065 9608 86	PBEX Resources LLC PO Box 10250 Midland TX 79702	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
15	9314 8699 0430 0065 9608 93	Ranchito AD4, LP 2100 Ross Ave., suite 1870 Dallas TX 75201	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice

Karlene Schuman Modrall Sperling Roehl Harris & Sisk P.A. 500 Fourth Street, Suite 1000 Albuquerque NM 87102

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Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fe	Reference Contents
16	9314 8699 0430 0065 9609 09	State of New Mexico Department of Transportatio PO Box 1148 Santa Fe NM 87501	n \$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
17	9314 8699 0430 0065 9609 16	The Estate of Elias Montoya aka Lee Montoya c/o Ramona v. Montoya 2301 Sage Street Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
18	9314 8699 0430 0065 9609 23	Tumbler Energy Partners LLC 1701 River Run, Suite 306 Fort Worth TX 76107	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
19	9314 8699 0430 0065 9609 30	Wanda (Jimenez(Barron PO Box 2204 Carlsbad NM 88221	\$1.15	\$3.50	\$1.60	\$0.00	81363-0190 Ares Notice
20	9314 8699 0430 0065 9609 47	Dick Jackson 411 N. Maple Ave. Mountain Grove MO 65711	\$1.15	\$3.50	\$1,60	\$0.00	81363-0190 Ares Notice
21	9314 8699 0430 0065 9609 54	Stryker Energy, LLC PO Box 53448 Houston TX 77052	\$1.15	\$3.50	\$1,60	\$0.00	81363-0190 Ares Natice
		Т	otals: \$24.15	\$73.50	\$33.60	\$0.00 \$131.25	20
				Grand	Grand Total:		8

List Number of Pieces Total Number of Pieces Postmaster: Dated:
Listed by Sender Received at Post Office Name of receiving employee

21

Transaction Report Details - CertifiedPro.net Firm Mail Book ID= 179496 Generated: 12/5/2019 10:50:49 AM

USPS Article Number	Reference Number	Name 1	Name 2	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300065960954	81363-0190 Ares	Stryker Energy, LLC		Houston	TX	77052	Delivered	Return Receipt - Electronic, Certified Mail	11-26-2019
9314869904300065960947	81363-0190 Ares	Dick Jackson		Mountain Grove	MO	65711	Forwarded	Return Receipt - Electronic, Certified Mail	
9314869904300065960930	81363-0190 Ares	Wanda (Jimenez(Barron		Carlsbad	NM	88221	To be Returned	Return Receipt - Electronic, Certified Mail	
9314869904300065960923	81363-0190 Ares	Tumbler Energy Partners LLC		Fort Worth	TX	76107	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960916	81363-0190 Ares	The Estate of Elias Montoya aka Lee Montoya	c/o Ramona v. Montoya	Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	11-23-2019
9314869904300065960909	81363-0190 Ares	State of New Mexico Department of Transportation		Santa Fe	NM	87501	Delivered	Return Receipt - Electronic, Certified Mail	11-22-2019
9314869904300065960893	81363-0190 Ares	Ranchito AD4, LP		Dallas	TX	75201	Mailed	Return Receipt - Electronic, Certified Mail	
9314869904300065960886	81363-0190 Ares	PBEX Resources LLC		Midland	TX	79702	Mailed	Return Receipt - Electronic, Certified Mail	
9314869904300065960879	81363-0190 Ares	MCM Exploration Company, LLC		Midland	TX	79702	Delivered	Return Receipt - Electronic, Certified Mail	12-02-2019
9314869904300065960862	81363-0190 Ares	Maria P. Barron		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	11-30-2019
9314869904300065960855	81363-0190 Ares	Hope Morningstar		Cincinnati	ОН	45231	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960848	81363-0190 Ares	Esther Montoya Aguilar		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960831	81363-0190 Ares	Esther Gomez Hernandez		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	12-02-2019
9314869904300065960824	81363-0190 Ares	Diane Montoya Carrasco		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	11-23-2019
9314869904300065960817	81363-0190 Ares	Connie Hernandez		Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	11-23-2019
9314869904300065960800	81363-0190 Ares	1836 Royalty Partners, LLC		Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail	11-26-2019
9314869904300065960794	81363-0190 Ares	Tumbler Operating Partners LLC		Fort Worth	TX	76107	Mailed	Return Receipt - Electronic, Certified Mail	
9314869904300065960787	81363-0190 Ares	OXY USA WTP Limited Partnership		Houston	TX	77046	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960770	81363-0190 Ares	Llano Natural Resources, LLC		Lubbock	TX	79414	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960763	81363-0190 Ares	Fasken Land & Minerals, LTD		Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail	11-25-2019
9314869904300065960749	81363-0190 Ares	DSD Energy Resources, LLC		Fort Worth	TX	76101	Delivered	Return Receipt - Electronic, Certified Mail	12-02-2019

Carlsbad Current Argus.

Affidavit of Publication Ad # 0003918831 This is not an invoice

MODRALL SPERLING **POBOX 2168**

ALBUQUERQUE, NM 87103

I, a legal clerk of the Carlsbad Current Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

November 26, 2019

CASE NO. 20945: Notice to all affected parties, as well as the heirs and devisees of DSD Energy ResourcesLLC, Fasken Land & Minerals LTD., Llano Natural Resources LLC, OXY USA WTP Limited Partnership, Tumbler Operating Partners LLC, 1836 Royalty Partners LLC, Connie Hernandez, Dlane Montoya, Esther Gomez Hernandez, Esther Montoya Aguilar, Hope Morningstar, Maria P. Barron, MCM Exploration Company LLC, PBEX Resources LLC, Ranchito AD4 LP, State of New Mexico Dept. of Transportation, Estate of Elias Montoya aka Lee Montoya, Tumbler Energy Partners, Wanda Jimenez Barron, Dick Jackson, Stryker Energy of Marathon Oil Permian LLC's application for compulsory pooling, Eddy County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on December 12, 2019, to consider this application. Applicant seeks an order from the Division pooling all una.m. on December 12, 2019, to consider this application. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a Bone Spring horizontal spacing unit underlying the E/2 W/2 of Section 7, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the Ares 7 SBFee 7H well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Marathon as operator of the well, and a 200% charge for risk involved in drilling said well, and allowing a one year period between when the well is drilled and when the well is completed. Said area is located approximately 2.5 miles Northwest of Said area is located approximately 2.5 miles Northwest of

Loving, New Mexico.

CASE NO. 20945: Notice to all affected parties, as well as

November 26, 2019

Legal Clerk

Subscribed and swom before me this November 26, 2019:

State of WI, County of Brown

NOTARY PUBLIC

My commission expires

SHELLY HORA Notary Public State of Wisconsin

Ad# 0003918831 PO #: CASE NO. 20945 # of Affidavits : 1

This is not an invoice

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

APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPUSLORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20945 (ARES 7 SB FEE 7H)

AFFIDAVIT

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

Rebecca Horne, being duly sworn, deposes and states:

- 1. I am over the age of 18, I am a geologist for Marathon Oil Permian LLC, and have personal knowledge of the matters stated herein. I have been qualified by the Oil Conservation Division ("Division") as an expert petroleum geologist.
- 2. **Exhibit 7** is a locator map showing the approximate location of the proposed unit in relation to the Capitan Reef.
- 3. **Exhibit 8** is a wellbore schematic showing the proposed well within the unit, along with Marathon's permitted Ares Wolfcamp wells.
 - 4. The slides behind **Tab 9** are the geology study I prepared for the well.
- 5. **Exhibit 9-A** is structure map of the base of the Second Bone Spring Sand. The proposed project area is identified by a black-dashed box, and the proposed well is identified by turquoise line and the Number 1.
 - 6. The contour interval used for Exhibit 9-A is 25 feet.
 - 7. Exhibit 9-A shows that the structure dips to the east.



- 8. **Exhibit 9-B** identifies four wells in the vicinity of the proposed Second Bone Spring Sand well, shown by a line of cross-section running from A to A'.
- 9. **Exhibit 9-C** is a stratigraphic cross section hung on the base of the Second Bone Spring Sand. The well logs on the cross-section give a representative sample of the Second Bone Spring Sand in the area. The target zone is identified by the words "Producing Zone" and the shaded area across the cross section, along with a red arrow.
 - 10. In my opinion, the Second Bone Spring sand is continuous across the proposed unit.
- 11. **Exhibit 9-D** is a Gross Interval Isochore Second Bone Spring Sand. The formation is relatively consistent thickness across the proposed unit.
 - 12. I conclude from the maps that:
 - a. The horizontal spacing unit is justified from a geologic standpoint.
 - b. There are no structural impediments or faulting that will interfere with horizontal development.
 - Each quarter quarter section in the units will contribute more or less equally to production.
- 13. Exhibit 10 provides an overview of the stress orientation in the area based on the 2018 Snee-Zoback paper.
- 14. The preferred well orientation in this area is either North/South or East/West.

 This is because the S_{Hmax} is at approximately 45 degrees in mid-Eddy County. Marathon is proposing North/South laterals to maximize lateral length with respect to Marathon's acreage.
- 15. Exhibits 7-10 were prepared by my or under my supervision or compiled from company business records.

16. In my opinion, the granting of Marathon's applications is in the interests of conservation and the prevention of waste.

[Signature page follows]

Reference them

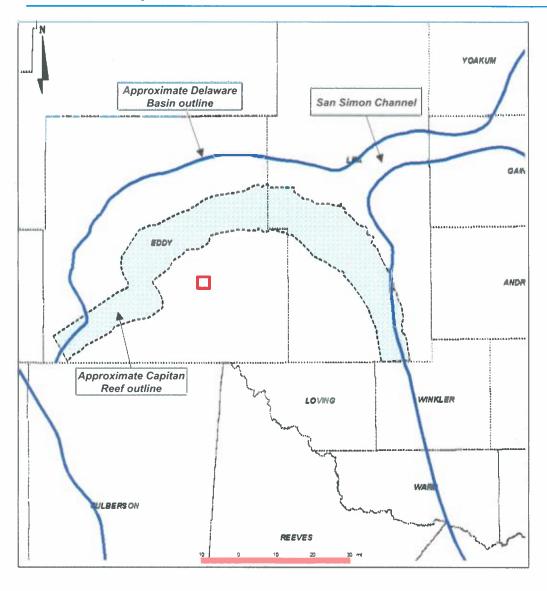
SUBSCRIBED AND SWORN to before me this _____ day of December, 2019 by Rebecca Horne, on behalf of Marathon Oil Permian LLC.

Notary Public

My commission expires: 4 24.22



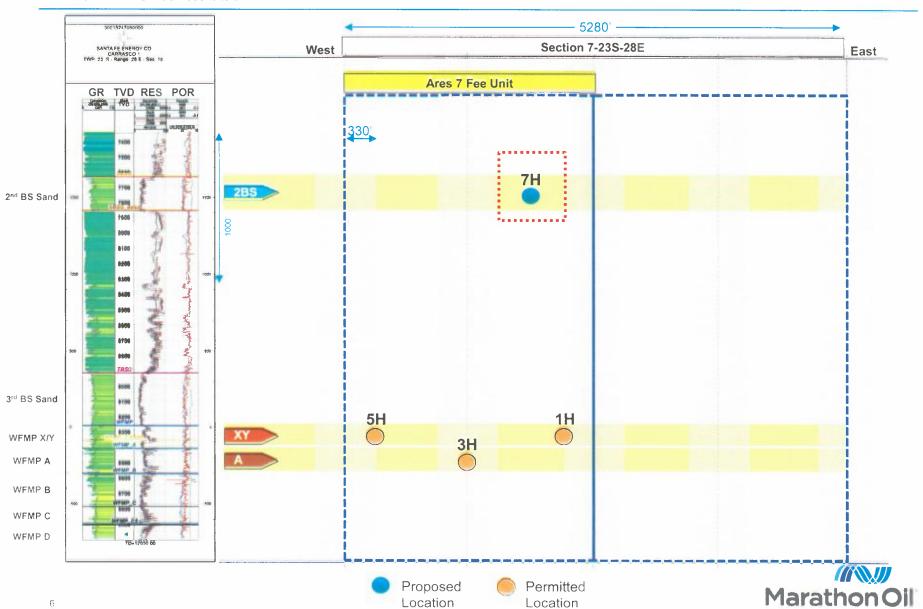
Locator Map



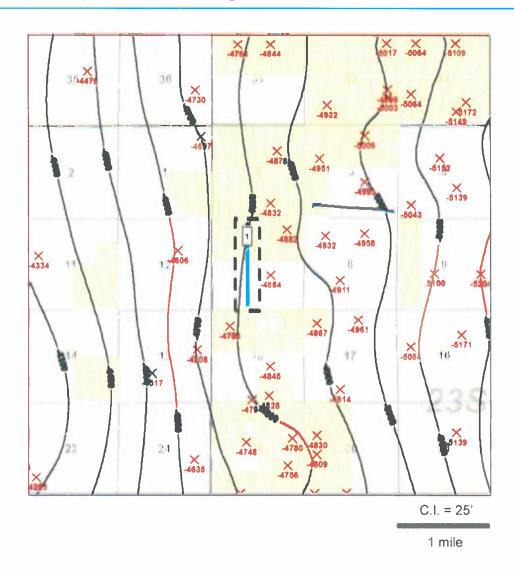
- Approximate location of proposed Ares 7 SB Fee 7H well shown with red box
- Located basinward of the Capitan Reef
- Mid Eddy county

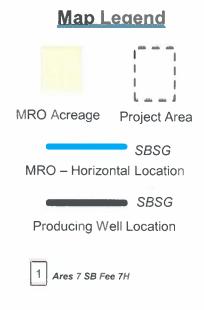


Wellbore Schematic



Structure Map for Bone Spring Wells – Base of Second Bone Spring Sand (TVDSS)





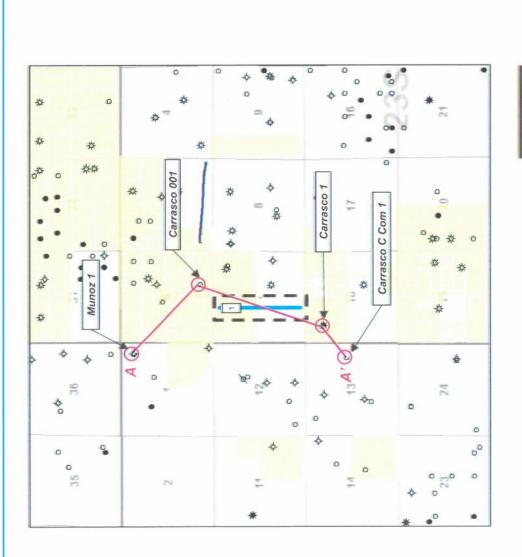




1 mile

Ares 7 SB Fee Unit

Reference Map for Cross Section - Bone Spring Wells



MRO Acreage Project Area

Map Legend

MRO - Horizontal Location

SBSG

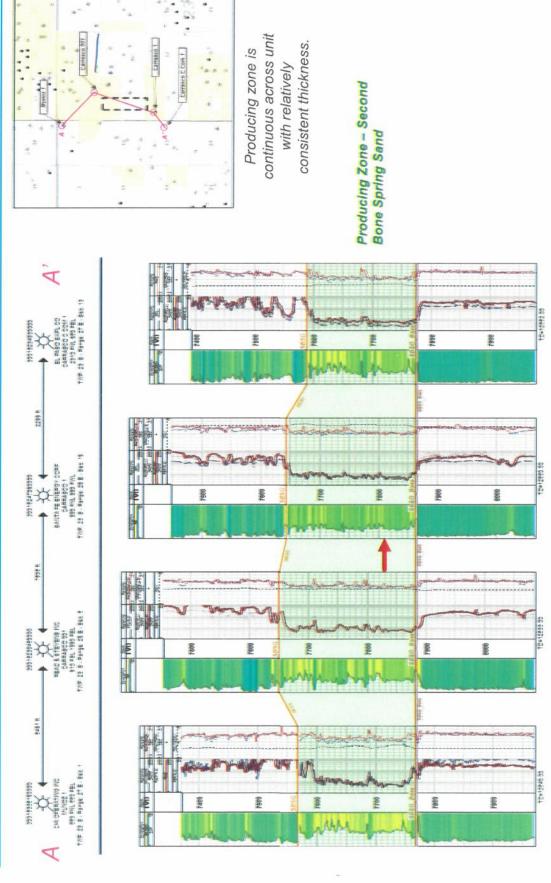
Producing Well Location

Cross Section Line

1 Ares 7 SB Fee 7H

SBSG

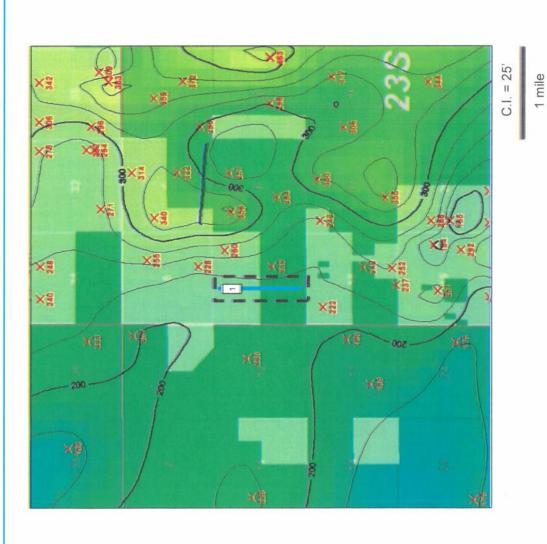
Stratigraphic Cross Section (Base Second Bone Spring Sand Datum)







Gross Interval Isochore - Second Bone Spring Sand



MRO Acreage Project Area

Map Legend

MRO - Horizontal Location

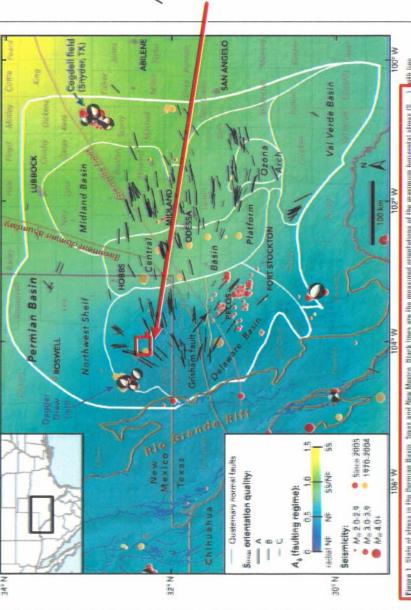
SBSG

Producing Well Location

1 Ares 7 SB Fee 7H

SBSG

Preferred Well Orientation - SHmax



are from the fexas Bureau of Economic Geology Permian Basin Geological Spitihesis Project. Earthouakes are from the USGS Mational Earthouake Information Center, the Taylet Seismic Monitoring Program, and Gan and Frohlich (2013). Fosal mechanisms are from Saint Louis University (Hermann et al., 2011). dary between the Shawnee and Mazatzal basement domains is from Lund et al. (2015), and the Presambrian Grenville Front is from Themas (2006). The Permian Basin baundary is from the U.S. Energy information administration, and the subbasin beaudasries WHI THE parameter (see text for details) of Simpson (1997). Blue lines are fault traces known to have experienced normal-sense offset within the past 1,6 Ma, from the USC Table of stees in the berman Basin, tones and New Mexico, Black lines are the measured grientations of the measurem bordonial stress (A Transmary Faults and Forts Datahase (Crene and W

Source:

Snee, J.L. & M.D. Zoback, 2018, State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity: The Leading Edge, 810-819, https://doi.org/10.1190/tle37020810.1.

Preferred well orientation N/S to maximize lateral length with respect to Marathon's acreage.

As outlined in Snee & Zoback (2018), SHmax is at approximately 45 degrees in mid Eddy county.

Therefore, hydraulic fractures will propagate out at ~45 degrees.

Production is expected to be the same for wells oriented either N/S or E/W.

