Before the Oil Conservation Division Examiner Hearing September 7, 2023

Case No. 23723
Hefeweizen State Com 501H



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

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

CASE NO. 23723

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ALL INFORMATION IN THE APPLICATION MUST BI	E SUPPORTED BY SIGNED AFFIDAVITS
Case: 23723	APPLICANT'S RESPONSE
Date: September 7, 2023	
Applicant	Marathon Oil Permian LLC
Designated Operator & OGRID (affiliation if applicable)	Marathon Oil Permian LLC OGRID 372098
Applicant's Counsel:	Modrall Sperling
Case Title:	APPLICATION OF MARATHON OIL PERMIAN LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.
Entries of Appearance/Intervenors:	
Well Family	Hefeweizen
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Bone Spring
Pool Name and Pool Code:	40 (Note: OCD pool code spreadsheet states that this pool has 80-acre building blocks, which is likely superceded by statewide rules. In any event, even with 80-acre building blocks, unit is standard.)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320
Building Blocks:	40
Orientation:	North South
Description: TRS/County	W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and sapproval of non-standard unit requested in this application?	Υ.
Other Situations	
Depth Severance: Y/N. If yes, description	N
Proximity Tracts: If yes, description	N
Proximity Defining Well: if yes, description	N/A
	See Exhibit B-3.
Well(s)	
	Add wells as needed
Vell #1: Hefeweizen State Com 501H	SHL: 246' FNL & 1333' FEL, Section 30, T-19-S R-35-E FTP: 100' FNL & 1980' FEL Section 30, T-19-S R-35-E BHL: 100' FSL & 1980 FEL Section 31, T-19-S R-35-E Orientation: North South Completion Target: Bone Spring Completion Status: Standard TVD: 10400', MVD: 20650'
	See above cells and Exhibit B-2 (C-102s)
Completion Target (Formation, TVD and MD)	See above cells and Exhibit B-5 (proposal letter)

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vnership Depth Severance (including percentage above &	Exhibit B-3
vnership Depth Severance (including percentage above &	
low)	NA
nder	
mple Copy of Proposal Letter	Exhibit B-5
t of Interest Owners (ie Exhibit A of JOA)	Exhibit B-3
ronology of Contact with Non-Joined Working Interests	Exhibit B-4
erhead Rates In Proposal Letter	Exhibt B-5
st Estimate to Drill and Complete	Exhibit B-6
st Estimate to Drin and Complete	Exhibit B-6
st Estimate for Production Facilities	Exhibit B-6
ology	
mmary (including special considerations)	Exhibit C
acing Unit Schematic	Exhibit C-2
nbarrel/Lateral Trajectory Schematic	Exhibit C-2
ell Orientation (with rationale)	Exhibit C-7
get Formation	Exhibits C-3 to C-6
U Cross Section	Exhibit C-5
oth Severance Discussion	NA
ms, Figures and Tables	
02	Exhibit B-2
cts	Exhibit B-3
nmary of Interests, Unit Recapitulation (Tracts)	Exhibit B-3
neral Location Map (including basin)	Exhibit C-1
ll Bore Location Map	Exhibit C-3
ucture Contour Map - Subsea Depth	Exhibit C-3
ss Section Location Map (including wells)	Exhibit C-4
ss Section (including Landing Zone)	Exhibit C-5
cial Provisions/Stipulations	NA
RTIFICATION: I hereby certify that the information provided	

Released to Imaging: 9/5/2023 4:06:44 PM

Received by OCD: 9/5/2023 3:54:10 PM
Signed Name (Attorney or Party Representative):
Date: Page 5 of 52 7-Sep-23

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

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

CASE NO. 23723

SELF AFFIRMED DECLARATION OF FARLEY DUVALL

Farley Duvall, being duly sworn, deposes and states:

- 1. I am over the age of 18, I am a landman for Marathon Oil Permian LLC ("Marathon") and have personal knowledge of the matters stated herein.
- I have previously testified before the Oil Conservation Division ("Division") and my 2. credentials as an expert petroleum landman were accepted as a matter of record.
 - 3. My area of responsibility at Marathon includes the area Lea County in New Mexico.
- 4. I am familiar with the application filed by Marathon in this case, which is attached as Exhibit B.1.
 - 5. I am familiar with the status of the lands that are subject to this application.
- I submit the following information pursuant to NMAC 19.15.4.12.A(1) in support of 6. the above referenced application.
- 7. The purpose of the application is to force pool all uncommitted interests into the horizontal spacing unit described below, and in the well to be drilled in the unit.
- 8. 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.
- 9. In this case, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit



underlying the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico.

- 10. This spacing unit will be dedicated to the **Hefeweizen State Com 501H** well, to be horizontally drilled.
 - 11. Attached as **Exhibit B.2** is the proposed C-102 for the well.
- 12. The C-102 identifies the proposed surface hole location and the bottom hole location.
 The C-102 also identifies the pool and pool code.
 - 13. The well will develop the Lea; Bone Spring, Pool Code 37570.
 - 14. This pool is an oil pool with 40-acre building blocks.
 - 15. This pool is governed by the state-wide horizontal well rules.
 - 16. The producing areas for the well is expected to be orthodox.
 - 17. There are no depth severances within the proposed spacing unit.
- 18. **Exhibit B.3** includes a lease tract map outlining the unit being pooled. Exhibit B.3 also includes the parties being pooled, the nature, and the percent of their interests.
- 19. 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 the working interest owners well proposals, including an Authorization for Expenditure.
- 20. In my opinion, Marathon has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed well.
 - 21. **Exhibit B.4** is a summary of my contacts with the working interest owners.
- 22. **Exhibit B.5** is a sample of the well proposal letter that was sent to all working interest owners. The proposal letter identifies the proposed first and last take points and approximate TVD/MD for the well.

- 23. **Exhibit B.6** 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.
- 24. Marathon requests overhead and administrative rates of \$10,000.00/month for drilling a well and \$1,000.00/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.
- 25. Marathon requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
 - 26. Marathon requests that it be designated operator of the well.
 - 27. The parties Marathon is seeking to pool were notified of this hearing.
- 28. Marathon seeks to pool overriding royalty interest owners, and they were also provided notice of this hearing.
- 29. **Exhibit B.7** 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 Hobbs News Sun newspaper, showing that notice of this hearing was published on August 22, 2023.
- 30. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.
- 31. In my opinion, the granting of this application is in the interests of conservation and the prevention of waste.

[Signature page follows]

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated this 30th day of August, 2023.

Farley Duvall

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

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

CASE NO. 23723

APPLICATION

Marathon Oil Permian LLC ("Marathon"), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit comprising the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea 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 W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico to form a standard 320-acre, more or less, Bone Spring spacing unit.
- 3. Marathon plans to drill the **Hefeweizen State Com 501H** well to a depth sufficient to test the Bone Spring formation. The well will be horizontally drilled, and the producing area for the well is expected to be orthodox.
- 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.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 7, 2023 and after notice and hearing as required by law, the Division enter its order:

- A. Pooling all uncommitted interests in the Bone Spring formation underlying a horizontal spacing unit within the W/2 E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico;
- B. Designating Marathon as operator of this unit and the wells 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.

Respectfully submitted,

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

By: Wella y Bennett

Deana M. Bennett
Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800 Attorneys for Applicant

CASE NO. 23723: Application of Marathon Oil Permian LLC for compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 501H well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

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

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

■ AMENDED REPORT

WELL LOCATION AND ACERAGE DEDICATION PLAT

¹ API Number	³ Pool Code 37570	° Pool Name LEA: BONE SPRING
* Property Code	² Property Name HEFEWEIZEN STAT	E COM 501H
372098	MARATHON OIL PEI	RMIAN, LLC 3786'

¹⁰ Surface Location

UL or lot no. B	30	Township 19S	35E	Lot Idn	Feet from the 246	North/South line NORTH	Feet from the 1333	East/West line EAST	County LEA
11 Rottom Hole Location If Different From Surface									

Bottom Hole Location II Different From Surface

UL or lot no.	Section 31	Township 19S	Range 35E	Lot ldn	Feet from the 100	North/South line SOUTH	Feet from the 1980	East/West line EAST	County LEA
Dedicated Acres 320.00	13 Jo	int or Infill	14 Cons	olidation Code	15 Order No.		Til.		

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.

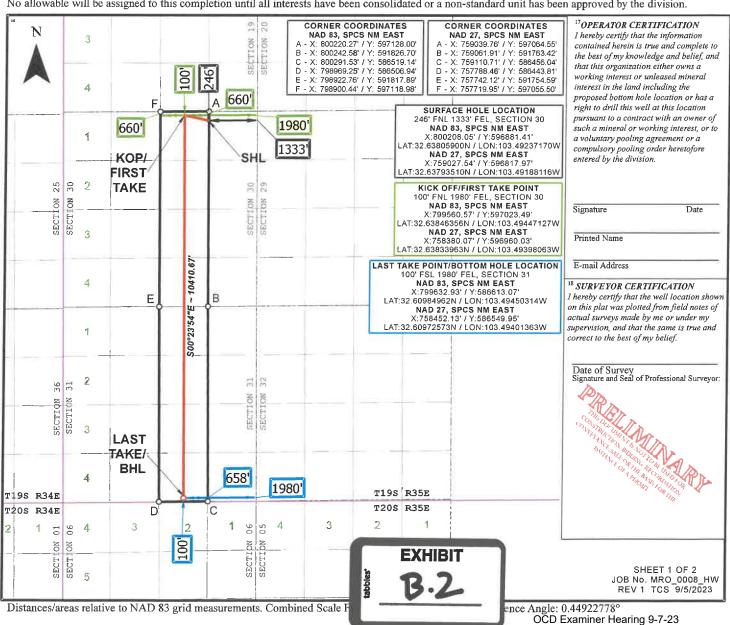


Exhibit "B.3" Lease Tract Map Hefeweizen State Com 501H W/2 E/2 of Sections 30 & Section 31 T19S-R35E: 320.00 acres

W/ E/2 (Sec. 30) and W/2 E/2 (Sec. 31) Sections 30 & 31 Township 19 South Range 320.00 acres, more or less Sec. 31

- Tract 1: State (160.00 acres)
- Tract 2: State (160.00 acres)





Exhibit "B.3" - Summary of Working Interest Owners Hefeweizen State Com 501H W/2 E/2 of Sections 30 & Section 31 T19S-R35E: 320.00 acres

 Committed Working Interest: Marathon Oil Permian LLC XTO Holdings, LLC 	81.25000% 75.000000% 6.2500000%
 Uncommitted Working Interest: MJK Mineral Partners, Ltd Sipes Exploration, Inc. Chisos, Ltd. Southwest Royalties, Inc. Black Shale Minerals, LLC Cross Borders Resources, Inc. West Pecos Trading Company, LLC Diane Patrick Tipton, marital status unknown Yalch Operating, LP DM Royalties, Ltd. 	18.75000% 5.4833335% 4.1125005% 3.1250000% 1.6041665% 1.5625000% 1.5625000% 0.7083335% 0.2333330% 0.2333330% 0.1250000%



Exhibit "B.3" – Summary of ORRI Owners Hefeweizen State Com 501H W/2 E/2 of Sections 30 & Section 31 T19S-R35E: 320.00 acres

ORRI Owners:

- Adele Royalty Ventures, LLC
- · B&R Land and Cattle, LLC
- · Chevron USA, Inc
- · Chisos, Ltd.
- · Cross Borders Resources, Inc.
- · Donaldson Brown Royalty, LP
- GBB Royalties, LLC
- · John & Theresa Hillman Family Properties, LP
- · KHB Energy, LLC
- · Leslie Hendrix Wood and Lee F. Wood, Jr
- · Manix Royalty, Ltd.
- Tolleson Private Bank, Executor of the Estate of Krisen Lee Hayes, Dec.
- · Veirs Family Partnership, L.P.
- XTO Royalty Holdings, L.P.



HEFEWEIZEN PARTIES BEING POOLED

Working Interest Owners

MJK Mineral Partners, Ltd
Sipes Exploration, Inc.
Chisos, Ltd.
Southwest Royalties, Inc.
Black Shale Minerals, LLC
Cross Borders Resources, Inc.
West Pecos Trading Company, LLC
Diane Patrick Tipton, marital status unknown
Yalch Operating, LP
DM Royalties, Ltd.

ORRI

Adele Royalty Ventures, LLC
B&R Land and Cattle, LLC
Chevron USA, Inc
Chisos, Ltd.
Cross Borders Resources, Inc.
Donaldson Brown Royalty, LP
GBB Royalties, LLC
John & Theresa Hillman Family Properties, LP
KHB Energy, LLC
Leslie Hendrix Wood and Lee F. Wood, Jr
Manix Royalty, Ltd.
Tolleson Private Bank, Executor of the Estate of Krisen Lee Hayes, Dec.
Veirs Family Partnership, L.P.
XTO Royalty Holdings, L.P.

Exhibit "B.4" Summary of Contacts
Hefeweizen State Com 501H
W/2 E/2 of Sections 30 & Section 31 T19S-R35E: 320.00 acres

Summary of Contacts

- Marathon conducted extensive title work to determine the working interest owners and other interest owners.
- Marathon searched public records, phone directory, and various types of internet searches.
- Marathon sent well proposal letters to the working interest owners on or around June 29, 2022.
- Marathon proposed general terms of a Joint Operating Agreements (JOA) within the well proposal letters sent to working interest owners.
 - Marathon has discussed the general terms of the JOA with the intent of finalizing the JOA with the working interest owners prior to spud (subject to final approvals)
- Marathon had multiple communications with the uncommitted working interest owners, which I have outlined in the chart below.
- Marathon has acquired several parties' working interest in the spacing through commercial transactions
- Marathon filed applications to force pool parties who had not entered into an agreement.
- Marathon's counsel sent notices of the force pooling applications to the addresses of record for the uncommitted interest owners and also for overriding royalty interest owners.
- Marathon also published notice in a newspaper of general circulation in the county where the wells will be located.





Received by OCD: 9/5/2023 3:54:10 PM

Exhibit "B.4" Continued - Summary of Contacts Hefeweizen State Com 501H W/2 E/2 of Sections 30 & Section 31 T19S-R35E: 320.00 acres

Name	Unit % Interest	Date Proposal Letter Sent	Proposal Letter Received	Follow Up	Follow Up Date
MJK Mineral Partners, Ltd	5.483334%	6/6/2023	7/11/2023	MJK submitted their election to participate.	8/21/2023
Chisos, Ltd.	3.125000%	6/6/2023	6/29/2023	Sent interest confirmation.	8/9/2023
Southwest Royalties, Inc.	1.604167%	6/6/2023	7/3/2023	Email to confirm WI and ops timing.	8/15/2023
Black Shale Minerals, LLC	1.562500%	6/6/2023	6/30/2023	Email to confirm WI and operations timing. Also provided JOA draft.	8/9/2023
West Pecos Trading Company, LLC	0.708334%	6/6/2023	6/29/2023	Email to confirm WI and operations timing. Also provided JOA draft.	8/21/2023
Diane Patrick Tipton	0.233333%	6/6/2023	Undeliverable	Mail undeliverable, mailed to two possible alternate addresses	8/17/2023
Yalch Operating, LP	0.233333%	6/6/2023	7/5/2023	Email to confirm WI and operations timing. Also provided JOA draft.	8/9/2023
DM Royalties, Ltd.	0.125000%	6/6/2023	6/29/2023	Sent interest confirmation and provided DM an estimate of their completed well costs.	8/17/2023



Marathon Oil

Farley Duvall Land Professional - Permian

Marathon Oil Company 990 Town & Country Blvd. Houston, Texas 77024 713.296.2399 (o) fduvall@marathonoil.com

August 1, 2023

Re: Hefeweizen State Com 501H & 502H

Clarification Letter for Previous Proposal E/2 of Sections 30 & 31, T19S-R35E

Lea County, New Mexico

Dear Sir/Madam:

Marathon Oil Permian LLC ("Marathon") previously mailed out well proposals dated June 26, 2023 for the Hefeweizen State Com 501H & 502H wells. Please let this letter serve as clarification on the well locations, as it was discovered there were typos in the description. The terms, AFE costs, etc. all previously received in the June 26, 2023 packet remain unchanged. Please see the well locations in the table below and do not hesitate to contact me if you have any questions.

Hefeweizen	First Tal	ce Point	Last Tal	ce Point	Target TVD	Total MD	
HEEST VEIZEN CTATE COM FORLI	1980' FEL	100' FNL	1980' FEL	100' FSL	10400	20650	
HEFEWEIZEN STATE COM 501H	Section 30	Section 30	Section 31	Section 31	10400	20030	
LICENAL CTATE COMMENCE	660' FEL	100' FNL	660' FEL	100' FSL	10400	20650	
HEFEWEIZEN STATE COM 502H	Section 30	Section 30	Section 31	Section 31	10400	20030	

Best Regards,

Marathon Oil Permian LLC

F 27

Farley Duvall Land Professional

EXHIBIT

8.5

OCD Examiner Hearing 9-7-3

Farley Duvall Land Professional - Permian



Marathon Oil Company 990 Town & Country Blvd. Houston, Texas 77024 713.296.2399 (o) fduvall@marathonoil.com

June 26, 2023

Re: Hefeweizen State Com 501H & 502H (the "Wells")
Participation Proposal

E/2 of Sections 30 & 31, T19S-R35E

Lea County, New Mexico

Dear Sir/Madam:

Marathon Oil Permian LLC ("Marathon") proposes the drilling, completion, and equipping of the Wells to test the Bone Springs formations, at a legal location in Sections 30 & 31, T19S-R35E, Lea County, New Mexico (the "Subject Lands), as follows:

Hefeweizen	First Tak	e Point	Last Tak	e Point	TVD	TMD	Target Interval	Total AFE
	1980' FEL	100' FSL	1980' FEL	100' FNL	10400	20650	Second Bone	\$10,229,022
HEFEWEIZEN STATE COM 501H	Section 30	Section 30	Section 31	Section 31	10400		accoma acme	+ 20,
	660' FEL	100' FSL	660' FEL	100' FNL	10400	20650	Second Bone	\$10,229,022
HEFEWEIZEN STATE COM 502H	Section 30	Section 30	Section 31	Section 31	10400	20000	Second bone	4-0,0,022

Authority for Expenditure (AFEs)

Enclosed with this letter is an Authority for Expenditure ("AFE") for each of the proposed Wells. Please be aware that the enclosed AFEs are only an estimate of costs to be incurred, and by electing to participate, you shall be responsible for your proportionate share of all actual costs incurred.

Voluntary Agreement of Compulsory Pooling

Marathon will provide, upon request, a proposed Joint Operating Agreement ("JOA") for development of the Subject Lands that will include the following basic terms:

- Marathon Oil Permian LLC to be named as Operator
- Contract Area begin the Subject Lands
- As a charge for the risk involved in drilling the well, 300% of the above costs

 \$10,000 per month drilling overhead rates and \$1,000 per month producing overhead rates, adjusted annually pursuant to Section III.1.A.3 of COPAS form titled "Accounting Procedure-Joint Operations."

If you would like to discuss a farmout, an assignment of interest, an acreage trade or other form of agreement for your interests in the Subject Lands, please contact the undersigned. If Marathon is unable to reach a voluntary agreement for the development of the Subject Lands with all the interest owners in the proposed spacing unit, Marathon will file an application with the New Mexico Oil Conservation Division for an order pooling the Subject Lands.

Election Instructions

Released to Imaging: 9/5/2023 4:06:44 PM

Please use the attached ballot to indicate your desire to participate in each of the proposed wells and return a signed AFE for each well in which you elect to participate. If we do not receive a response form you within thirty (30) days, we will proceed with the necessary proceedings to pool your interests in the proposed spacing unit for the initial wells.

Should you elect to participate, your interest will automatically be covered by the Operator's insurance unless and until you provide written notice to Operator to the contrary, together with a valid, current insurance certificate from your insurance carrier in compliance with Operator's minimum insurance requirements.

Should you have any questions regarding the above, please do not hesitate to contact me at the information provided in the top of this letter.

Best Regards,
Marathon Oil Permian LLC

Farley Duvall Land Professional

PARTICIPATION BALLOT

Ridge Runner Resources Operating, LLC hereby elects to:
Not to participate in the HEFEWEIZEN STATE COM 501H Well.
Participate in the HEFEWEIZEN STATE COM 501H Well by paying its proportionate share of all actual costs.
Not to participate in the HEFEWEIZEN STATE COM 502H Well.
Participate in the HEFEWEIZEN STATE COM 502H Well by paying its proportionate share of all actual costs.
By:
Print Name:
Title:
Date:

MARATHON OIL PERMIAN LLC AUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS DATE 6/26/2023

DRILLING & LOCATION PREPARED BY COURT NELSON

COMPLETION PREPARED BY KRISTEN DRAIN

FACILITIES PREPARED BY HARSHA DISSANAYAKE

ARTIFICIAL LIFT PREPARED BY CRAIG PLANTE

Asset Team Field		ORMATION: SB		LDCAT	EXPLORATION
Lease/Facility	Hefeweizen State			VELOPMENT	RECOMPLETION
Location	E/2 30 & 31-195-3: Red Hills	SE	XEX	PLOITATION	_WORKOVER
Prospect					_
Est Total Depth	21,200	Est Drilling Days	20.25	Est Completion Days	7
LOCATION COST - INTANGIBLE					
		DECC	COUNTION		ESTIMATED COST
GL CODE	1 - 2244-		RIPTION		165,00
7001270		and Access			110,00
7001250	Land Bro	oker Fees and Services			110,00
	TOTAL LOCATION	COST - INTANGIBLE			\$275,0
DRUING COCT. TANCIDLE					
DRILLING COST - TANGIBLE					
7001270	Conduct				36,60
7012050	Surface				80,53
7012050		diate Casing 1			163,99
7012050 7012050		diate Casing 2 on Casing	_		464,17
7012050		r Hanger, Tieback Eq & C	a Accessories		36,60
7012550		Wellhead Equipment			35,14
7012040		Tubing Access			80,53
7290003		neous MRO Materials			7,32
	TOTAL DRILLING - 1	ANGIBLE			\$904,9
DRILLING COST - INTANGIBLE					
		V			
7290002		lig Mob/Demob			95,17
7290002		tig - day work/footage			666,23
7019040		al Drilling Services	free		226,37 36,60
7019020 7019020		and Cementing Service Sur and Cementing Service Inte			58,57
7019020		and Cementing Service Inte			30,37
7019020		and Cementing Service Pro			183,03
7019140		ds & Services	duction		95,54
7012310		ntrol equipment			59,96
7012020	Bits				219,63
7019010		rew and Services			58,57
7016350	Fuel (Rig				103,26
7019140	Fuel (Mu	d)			43,92
7001460	Water (n	on potable)			36,60
7012350	Water (p	otable)			7,32
7019000		ging Services			
7019150		ging+geosteering			19,16
7019250		s, Hole Openers, Underre	amers (DH rentals)		51,24
7019110		spection/cleaning			21,96
7019110		/collar inspection services			14,64
7016180	Freight -		W	//	36,60
7001460		uling and disposal (includ Services - Disposal/Non-H			87,85 117,14
7001160 7001440	Vacuum		azai uous vvaste		14,64
7000030		Labor - general			43,92
7000010		Labor - Operations			4,39
7001200		Services - Facilities			14,64
7019300		ices - Well Control Service	25		30,01
7019350	Well Serv	ices - Well/Wellhead Serv	rices		14,64
7290003	Rental To	ols and Equipment (surfa	ce rentals)		16,65
7260001	Rig Equip	ment and Misc.			133,24
7001110		nunications Services			7,32:
7001120		g Services			139,910
7001400		d Environmental			46,637
7330002		ildings (trailers)			16,656
7019310		dewalls & analysis)			200 - 24
7011010	8% Contin	igency & Taxes			290,165
	TOTAL DRILLING - IN	ITANGIBLE		14	\$3,012,31
	TOTAL DRILLIN	G COST			\$3,917,230
	TOTAL DIVILLIN			DATE	
MARATHON OIL PERMIAN LLC LUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS LSSET Team Teld	PERMIAN FÖRMATION: Bone !	Saving		DATE	6/25/20
ease/Facility	Hefeweizen State Co				
COMPLETION - TANGIBLE					
		DESCO	IPTION		ESTIMATED COST
GL CODE	Tubing	DESCR	IPTION		ESTIMATED COST
	Tubing Tubing Ac				ESTIMATED COST
GL CODE 7012580		cessories (nipple, wireline			
GL CODE 7012580 7012040	Tubing Ac Wellhead	cessories (nipple, wireline			
7012580 7012040 7012550	Tubing Ac Wellhead Packers - (cessories (nipple, wireline Equip Completion Equipment			15,000
GL CODE 7012580 7012040 7012550	Tubing Ac Wellhead	cessories (nipple, wireline Equip Completion Equipment			

EXHIBIT

8 6

OCD Examiner Hearing 9-7-23

No. 23723

7001270 7290002	Location and Access (dress location after rig move, set anchors)		8,071
2010110	Drilling Rig During Completion		
7019140	Mud Fluids & Services		
7019030	Coiled Tubing Services (3 runs)	-	126,83
7019240	Snubbing Services	-	
7019270 7016350	Pulling/Swab Units Fuel (from drlg)	_	
7019350	Casing Crew and Services		
7019020	Cement and Cementing Services	_	
7019080	Well Testing Services (flow hand & equip)		318,185
7390002	Fracturing Services		3,318,261
7019330	Perforating		150,731
7019360	Wireline Services		
7001460	Water Hauling & Disposal (frac fluids)	_	238,181
7016180	Freight - Truck (haul pipe; drig & compl)	_	
7290003	BOP Rental & Testing	_	
7290003 7290003	Rental Tools and Equipment (Incl drig; lightplant,hydra-walk) CT Downhole Rental Equipment (ie. Bit, BHA)	-	37,473
7290003	Contract Labor - general		47,475
7000030	Telecommunications Services		28,825
7001110	Safety and Environmental		
7001400	Consulting Services		75,811
7001120	Zipper Manifold		113,438
7019300	Frack Stack Rentals		98,006
7016180	Freight (Transportation Services)		5,534
7260001	Equipment Rental (w/o operator, frac tanks, lightplants)	-	146,620
7330002	Rental Buildings (trailers)	-	28,825
7000030 7011010	Contract Labor - Pumping (pump-down pumps) 8% Contingency & Taxes	-	28,823
7011010			
	TOTAL COMPLETION - INTANGIBLE		\$4,694,792
	TOTAL COMPLETION COST		\$4,709,792
URFACE EQUIPMENT - TANGIBLE			
7012350	Misc. Piping, Fittings & Valves		85,061
7006640	Company Labor & Burden		
7000030	Contract Labor - General		92,381
7001110	Telecommunication equip (Telemetry)		24,626
7012410	Line Pipe & Accessories	-	25,651
7012270 7008060	Miscellaneous Materials (containment system) SCADA	-	8,115
7016180	Freight - truck		8,483
7001190	Contract Engineering		5,255
7012290	Metering and Instrumentation	-	143,947
7012290	I&E Materials		84,435
7012200	Gas Treating		-
7012200	Dehydration		
7012010	Compressor	-	9,769
7012350	Power		
7012610	Vapor Recovery Unit		136,486
7012440	Separator & other pressure vessels		24,024
7012500	Tanks Heater Treater		71,006
7012100	Flare & Accessories		10,314
7012640 7000010	Electrical Labor		46,655
	Mechanical Labor		100,891
7000010	Rod Pumping unit & Pad	_	100,001
7000010			
7012480		-	
	Pumping Unit Engine Electrical Power (electrical cooperative construction costs)		18,900
7012480 7012180			18,900 \$896,000
7012480 7012180	Electrical Power (electrical cooperative construction costs)	\$	
7012480 7012180 7012350	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE	\$	\$896,000
7012480 7012180 7012350	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE	\$	\$896,000 896,000 5,071
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120	TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant	\$	\$896,000 896,000 5,071 4,056
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead	\$	\$896,000 896,000 5,071 4,056 5,071
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7011180	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment	\$	\$896,000 896,000 5,071 4,056 5,071 265,699
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies	\$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Life Equipment Materials & Supplies Production Tree	\$	\$895,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012350 7012550 7012560	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing	\$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482
7012480 7012180 7012350 FIFICIAL LIFT 7000030 7001120 7008230 7012180 7012550 7012560 7012580	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight	\$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7018150	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Life Equipment Materials & Supplies Production Tree Tubing Freight Rentals	\$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 701250 701250 7016190 7018150 7018150	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid	\$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028
7012480 7012180 7012350 IFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals KIII Fluid Well Services & Rig	\$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339
7012480 7012180 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid	\$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,074 6,085 2,028
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Bentals Kill Fluid Well Services & Rig	\$	\$895,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000
7012480 7012180 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7016150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals KIII Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT COST	\$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000 431,000
7012480 7012180 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7016150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT COTAL ARTIFICIAL LIFT COTAL ARTIFICIAL LIFT COST SUMMARY OF ESTIMATED DRILLING WELL COSTS TOTAL LOCATION COST	\$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000 OTAL COST 275,000
7012480 7012180 7012180 7012350 IFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016190 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals KIII Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT COST	\$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000 DTAL COST
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016150 7016150 7019120	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT COTAL ARTIFICIAL LIFT COTAL ARTIFICIAL LIFT COST SUMMARY OF ESTIMATED DRILLING WELL COSTS TOTAL LOCATION COST	\$ TC \$ \$ \$ \$ \$ \$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000 OTAL COST 275,000
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016150 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT COST SUMMARY OF ESTIMATED DRILLING WELL COSTS TOTAL LOCATION COST TOTAL DRILLING COST	\$ TC \$ \$ \$ \$ \$ \$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 2,028 2,4,339 431,000 DTAL COST 275,000 3,917,230
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016150 7018150 7019130 7019220	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Huld Well Services & Rig TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT COST SUMMARY OF ESTIMATED DRILLING WELL COSTS TOTAL LOCATION COST TOTAL COMPLETIONS COST TOTAL COMPLETIONS COST TOTAL SURFACE EQUIPMENT COST	\$ TC \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$896,000 896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,492 5,071 6,085 2,028 24,339 431,000 431,000 DTAL COST 275,000 3,917,230 4,709,792 896,000
7012480 7012180 7012350 TIFICIAL LIFT 7000030 7001120 7008230 7012180 7012350 7012550 7012580 7016150 7016150 7019120	Electrical Power (electrical cooperative construction costs) TOTAL SURFACE EQUIPMENT - TANGIBLE TOTAL SURFACE EQUIPMENT COST Contract Labor Consultant Time Writing/Overhead Artificial Lift Equipment Materials & Supplies Production Tree Tubing Freight Rentals Kill Fluid Well Services & Rig TOTAL ARTIFICIAL LIFT TOTAL ARTIFICIAL LIFT SUMMARY OF ESTIMATED DRILLING WELL COSTS TOTAL LOCATION COST TOTAL DRILLING COST TOTAL COMPLETIONS COST	\$ TC \$ \$ \$ \$ \$ \$	\$896,000 5,071 4,056 5,071 265,699 2,028 5,071 106,482 5,071 6,085 2,028 24,339 431,000 DTAL COST 275,000 3,917,230 4,709,792

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

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

CASE NO. 23723

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

CASE NO. 23724

SELF-AFFIRMED DECLARATION OF DEANA M. BENNETT

Deana M. Bennett, attorney in fact and authorized representative of Marathon Oil Permian, LLC, the Applicant herein, declares as follows:

- 1) The above-referenced Application was provided under notice letter, dated August 15, 2023, and attached hereto, as Exhibit A.
- Exhibit B is the mailing list, which show the notice letters were delivered to the 2) USPS for mailing on August 15, 2023.
- Exhibit C is the certified mailing tracking information, which is automatically 3) complied by CertifiedPro, the software Modrall uses to track the mailings. This spreadsheet shows the names and addresses of the parties to whom notice was sent and the status of the mailing.
- Exhibit D is the certified mail sheet and tracking information for a second letter 4) sent to MJK Mineral Partners at an updated address.
- Exhibit E is the Affidavit of Publication from the Hobbs News-Sun, confirming 5) that notice of the September 7, 2023 hearing was published on August 22, 2023.
- 6) I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.



Dated: September 5, 2023

Deana M. Bennett



August 15, 2023

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, LEA COUNTY, NEW MEXICO.

CASE NO. 23723

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

CASE NO. 23724

TO: AFFECTED PARTIES

This letter is to advise you that Marathon Oil Permian, LLC ("Marathon") has filed the enclosed applications.

In Case No. 23723, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the **Hefeweizen State Com 501H** well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

In Case No. 23724, Marathon seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the E/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 502H well, to be horizontally drilled. will be drilled at orthodox locations. Also to be

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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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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

The hearing will be conducted remotely on September 7, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: https://www.emnrd.nm.gov/ocd/hearing-info/.

As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in these cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in these cases at a later date.

You are further notified that if you desire to appear in these cases, 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 Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,

Deana M. Bennett

Attorney for Applicant

Received by OCD: 8/1/2023 2:55:57 PM

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

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

CASE NO. 23723

APPLICATION

Marathon Oil Permian LLC ("Marathon"), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit comprising the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea 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 W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico to form a standard 320-acre, more or less, Bone Spring spacing unit.
- 3. Marathon plans to drill the **Hefeweizen State Com 501H** well to a depth sufficient to test the Bone Spring formation. The well will be horizontally drilled, and the producing area for the well is expected to be orthodox.
- 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.

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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.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 7, 2023 and after notice and hearing as required by law, the Division enter its order:

- A. Pooling all uncommitted interests in the Bone Spring formation underlying a horizontal spacing unit within the W/2 E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico;
- B. Designating Marathon as operator of this unit and the wells 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.

Respectfully submitted,

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

Deana M. Bennett

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

M Bennett

Telephone: 505.848.1800 Attorneys for Applicant Received by OCD: 8/1/2023 2:55:57 PM

CASE NO. 23723: Application of Marathon Oil Permian LLC for compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 501H well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

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

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

CASE NO. 23724

APPLICATION

Marathon Oil Permian LLC ("Marathon"), OGRID Number 372098, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit comprising the E/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea 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/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico to form a standard 320-acre, more or less, Bone Spring spacing unit.
- 3. Marathon plans to drill the **Hefeweizen State Com 502H** well to a depth sufficient to test the Bone Spring formation. The well will be horizontally drilled, and the producing area for the well is expected to be orthodox.
- 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.

WHEREFORE, Marathon requests this application be set for hearing before an Examiner of the Oil Conservation Division on September 7, 2023 and after notice and hearing as required by law, the Division enter its order:

- A. Pooling all uncommitted interests in the Bone Spring formation underlying a horizontal spacing unit within the E/2 E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico;
- B. Designating Marathon as operator of this unit and the wells 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.

Respectfully submitted,

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

Deana M. Bennett

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

M. Bennett

Telephone: 505.848.1800 Attorneys for Applicant Received by OCD: 8/1/2023 3:04:01 PM Page 3 of 3

CASE NO. 23724: Application of Marathon Oil Permian LLC for compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the E/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 502H well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

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PS Form 3877

Type of Mailing: CERTIFIED MAIL 08/15/2023

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 08/15/2023			Firm Mailing Book ID: 250809 Reference Contents \$0.00 81363.0232. Notice \$0.00 81363.0232. Notice		
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1	9314 8699 0430 0111 0491 07	Apache Corporation 2000 Post Oak Boulevard, Suite 10 Houston TX 77056	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
2	9314 8699 0430 0111 0491 14	Black Shale Minerals, LLC P.O. Box 2243 Longview TX 75606	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
3	9314 8699 0430 0111 0491 21	Chisos, Ltd. 1331 Lamar Street, Suite 1075 Houston TX 77010	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
4	9314 8699 0430 0111 0491 38	Cross Borders Resources, Inc. 6334 Maple Avenue, Suite 500 Dallas TX 75235	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
5	9314 8699 0430 0111 0491 45	Diane Patrick Tipton 10 Double Arrow Road Santa Fe NM 87505	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
6	9314 8699 0430 0111 0491 52	DM Royalties 4971 E i20 Service Rd N, Ste 302 Willow Park TX 76087	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
7	9314 8699 0430 0111 0491 69	MJK Mineral Partners, Ltd P.O. Box 570 Marble Falls TX 78654	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
8	9314 8699 0430 0111 0491 76		\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
9	9314 8699 0430 0111 0491 83	Southwest Royalties, Inc. P.O. Box 53570 Midland TX 79710	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
10	9314 8699 0430 0111 0491 90		.C \$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
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17	9314 8699 0430 0111 0492 68	Cross Borders Resources, Inc. 6334 Maple Avenue, Suite 500 Dallas TX 75235	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
18	9314 8699 0430 0111 0492 75	Donaldson Brown Royalty, LP c/o Paul J. Haviland P.O. Box 1183 Abiingdon MD 21009	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
19	9314 8699 0430 0111 0492 82	GBB Royalties, LLC, c/o Esther A. Streete, Esq. McNamee Hosea 888 Bestgate Road, Suite 402 Annapolis MD 21401	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
20	9314 8699 0430 0111 0492 99	John & Theresa Hillman Family Properties, LP P.O. Box 50187 Midland TX 79710	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
21	9314 8699 0430 0111 0493 05	KHB Energy, LLC Attn: Justin Thompson 5500 Preston Road, Suite 250 Dallas TX 75205	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
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23	9314 8699 0430 0111 0493 29	Manix Royalty, Ltd. 3300 N. A. Street, Bldg 8, Ste 106 BUQUERQUE MIdland TX 79701	\$1.59	\$4.35	\$2.20	\$0.00	81363.0232. Notice
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August 25, 2023

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Location: MARBLE FALLS, TX 78654

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: MJK Mineral Partners

Shipment Details

Weight: 3.0oz

Destination Delivery Address

Street Address: PO BOX 750

City, State ZIP Code: MARBLE FALLS, TX 78654-0750

Recipient Signature

Signature of Recipient:

Kuthingen Epley

PO BOX 750

Address of Recipient: MARBLE FALLS, TX 78864-0760

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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 August 22, 2023 and ending with the issue dated August 22, 2023.

Sworn and subscribed to before me this 22nd day of August 2023.

Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO NOTARY PUBLIC GUSSIE RUTH BLACK COMMISSION # 1087526 COMMISSION EXPIRES 01/29/2027

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 publication has been made.

LEGAL NOTICE August 22, 2023

CASE NO. 23723; Notice to all affected parties, as well as heirs and devisees of: Apache Corporation; Black Shale Minerals, LLC; Chisos, Ltd.; Cross Borders Resources, Inc.; Diane Patrick Tipton; DM Royalties, Ltd.; MJK Mineral Partners, Ltd; Sipes Exploration, Inc.; Southwest Royalties, Inc.; West Pecos Trading Company, LLC; Yalch Operating, LP; State of New Mexico; Adele Royalty Ventures, LLC, c/o PNC Bank National Association; B&R Land and Cattle, LLC; Chevron USA, Inc.; Denaidson Brown Royalty, LP, c/o Paul J. Haviland; GGB Royalties, LLC; John & Theresa Hillman Family Properties, LP; KHB Energy, LLC, attn.: Justin Thompson; Lesile Hendrix Wood and Lee F. Wood, Jr.; Manix Royalty, Ltd; Tolleson Private Bank, Executor of the Estate of Krisen Lee Hayes, Dec.; Veirs Family Partnership, L.P.; XTO Royalty Holdings, L.P. of Application of Marathon Oil Permian LLC for compulsory pooling, Lee 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 September 7, 2023 to consider this application, information about accessing the electronic hearing is posted at OCD NOTICES at https://www.emnrd.nm.gov/ocd/hearing-info/. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-acre, more or less, Bone Spring horizontal spacing unit underlying the W/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 501H well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

CASE NO. 23724; Notice to all affected parties, as well as heirs and devisees of: Apache Corporation; Black Shale Minerals, LLC; Chisos, Ltd.; Cross Borders Resources, Inc.; Diane Patrick Tipton; DM Royalites, Ltd.; MJK Mineral Partners, Ltd; Sipes Exploration, Inc.; Southwest Royalites, Inc.; West Pecos Trading Company, LLC; Yaich Operating, LP; State of New Mexico; Adele Royalty Ventures, LLC, c/o PNC Bank National Association; B&R Land and Cattle, LLC; Chevron USA, Inc.; Donaldson Brown Royalty, LP, c/o Paul J. Haviland; GGB Royalties, LLC; John & Theresa Hillman Family Properties, LP; KHB Energy, LLC, attn.: Justin Thompson; Leslie Hendrix Wood and Lee F. Wood, Jr.; Manix Royalty, Ltd; Tolleson Private Bank, Executor of the Estate of Krisen Lee Hayes, Dec.; Veirs Family Partnership, L.P.; XTO Royalty Holdings, L.P. of Application of Marathon Oil Permian LLC for compulsory pooling, Lee 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 September 7, 2023 to consider this application. Information about accessing the electronic. hearing is posted at "OCD NOTICES" at https://www.emprd.nm.gov/ocd/hearing-info/. Applicant seeks an order from the Division pooling all uncommitted mineral interests within a standard 320-agrs, more or less, Bone Spring horizontal spacing unit underlying the E/2E/2 of Sections 30 and 31, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico. This spacing unit will be dedicated to the Hefeweizen State Com 502H well, to be horizontally drilled. The well will be drilled at orthodox locations. 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. Said area is located approximately 19.4 miles from Hobbs, New Mexico.

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DOLORES SERNA MODRALL, SPERLING, ROEHL, HARRIS & P. O. BOX 2168 ALBUQUERQUE, NM 87103-2168

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

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

CASE NO. 23723

SELF AFFIRMED DECLARATION OF ELIZABETH SCULLY

Elizabeth Scully hereby states and declares as follows:

- 1. I am over the age of 18, I am a geologist for Marathon Oil Permian, LLC ("Marathon"), and have personal knowledge of the matters stated herein. I have previously testified before the Oil Conservation Division ("Division") and my credentials as an expert petroleum geologist were accepted by the Division as a matter of record.
- My area of responsibility at Marathon includes the area of Lea County in New Mexico.
 - 3. I am familiar with the application filed by Marathon in this case.
- 4. I conducted a geological study of the area embracing Marathon's Hefeweizen Development Area.
- 5. **Exhibit C.1** is a locator map showing the approximate location of the proposed unit in relation to the Capitan Reef.
- 6. Exhibit C.2 is a wellbore schematic showing Marathon's Hefeweizen development plan.
- 7. Exhibit C.3 is a structure map of the Second Bone Spring formation. The proposed spacing unit is identified by a black box. The Hefeweizen State Com 501H well proposed in this



case is identified by the red line. The contour interval used in this exhibit is 25 feet. This exhibit shows that the structure dips gently to the South.

- 8. **Exhibit C.4** is a cross-section reference map that identifies two wells in the vicinity of the proposed Hefeweizen State Com 501H well, shown by a line of cross-section running from A to A'.
- 9. **Exhibit C.5** is a stratigraphic cross-section, and the well shown on the cross-section give a representative sample of the Second Bone Spring formation in the area. The target zone is identified by green shading.
- 10. **Exhibit C.6** is an Isopach map of the Second Bone Spring formation. Exhibit C.6 identifies the unit by a black box and the proposed well is identified by a red line. The gross interval thickness increases to the West.
 - 11. I conclude from the geology studies referenced above that:
 - a. The horizontal spacing 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 proposed unit will contribute more or less equally to production.
- Exhibit C.7 provides an overview of the stress orientation in the area based on the
 Snee-Zoback paper.
- 13. The preferred well orientation in this area is either north/south or south/north, nearly orthogonal to S_{Hmax}, optimal for inducted fracture propagation. This is because the S_{Hmax} is at approximately 70 degrees in this area of Lea County.

- 14. In my opinion, the granting of Marathon's application is in the interests of conservation and the prevention of waste.
- 15. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.

[Signature page follows]

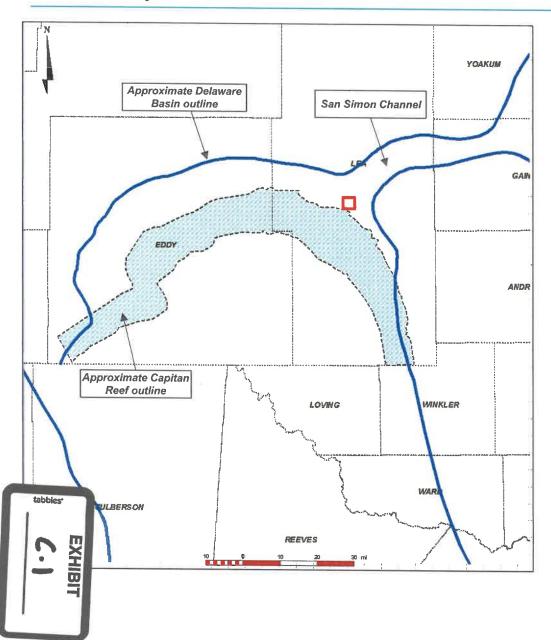
I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated: August 31, 2023

Elizabeth Scull

Locator Map

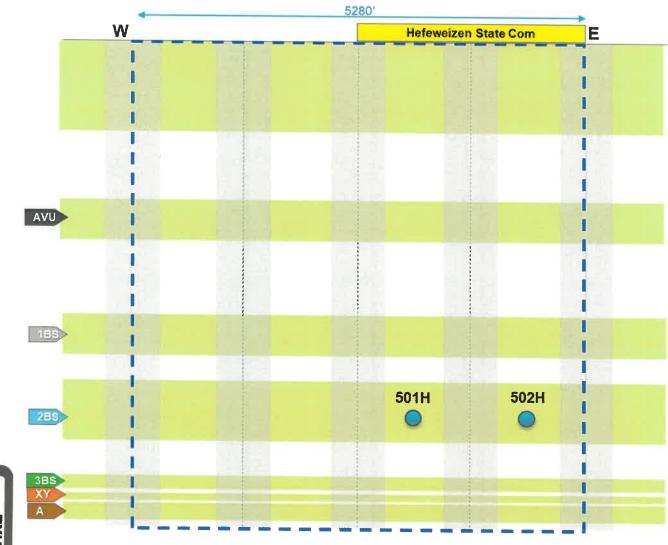
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- Approximate location of proposed Hefeweizen State Com well locations shown with red box
- Located at edge of the Capitan Reef
- Lea County



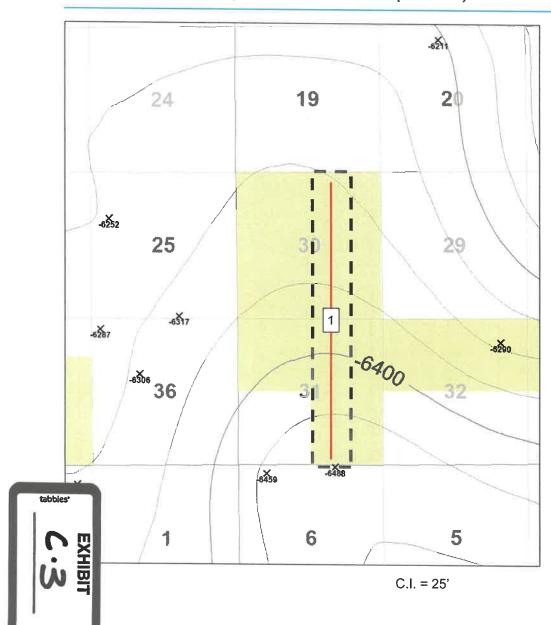
Wellbore Schematic

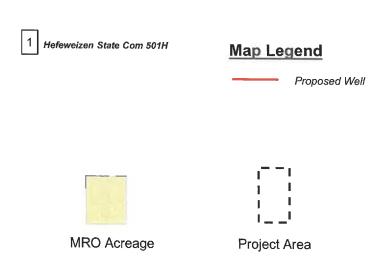




Structure Map - Top of Second Bone (TVDSS)

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The top of the Second Bone dips to the South over project area.



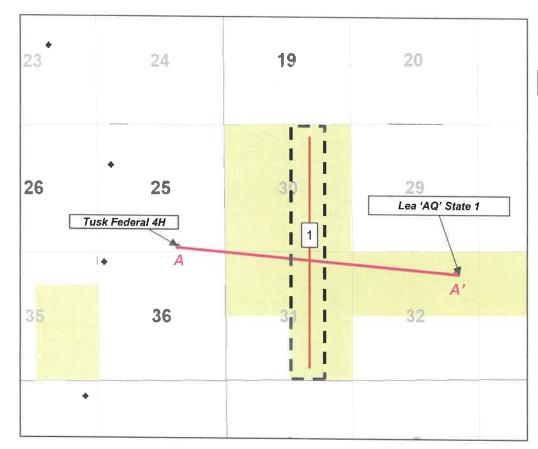
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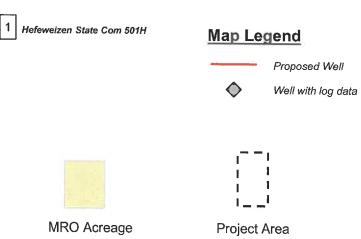
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Reference Map for Cross Section

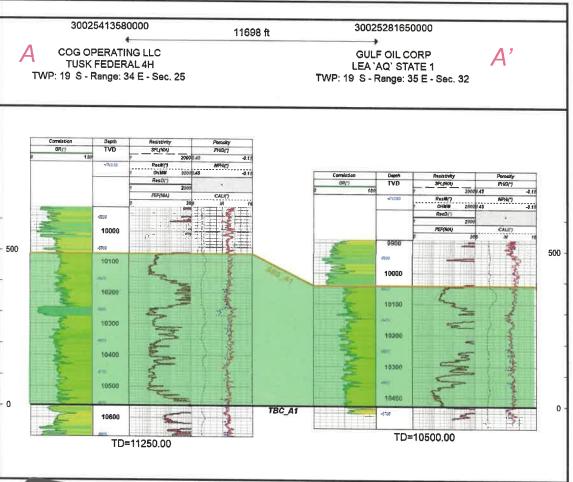


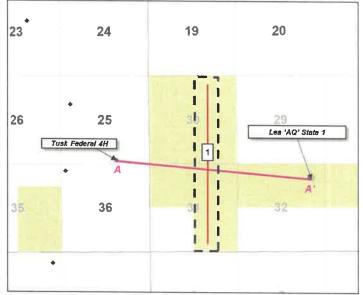






Stratigraphic Cross Section (Base of Second Bone Datum)





The Second Bone Sand is roughly 400' over the project area.

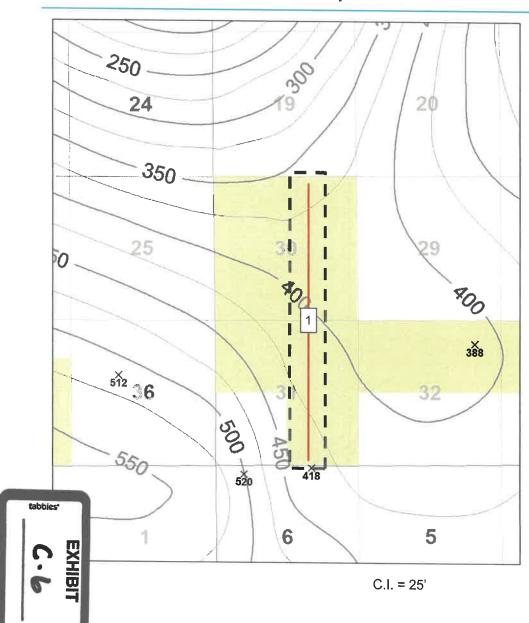


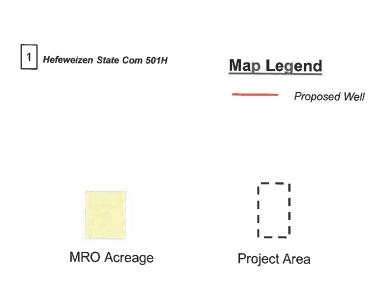


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Structure Map – Second Bone Isopach

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The Second Bone Sand is roughly 400' over the project area.



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Preferred Well Orientation - SHmax

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nd Snee and Zoback (2020)

