Before the Oil Conservation Division Examiner Hearing September 20, 2018

Case No. 16414

Duda Bides Federal 22-28-19 WXY 5H, Duda Bides Federal 22-28-19 WA 6H, and Duda Bides Federal 22-28-19 WXY 10H



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

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

CASE NO. 16414

AF	FID	AV	IT	OF	CHASE	RICE

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

Chase Rice, being duly sworn, deposes and states:

- 1. I am a landman for Marathon Oil Permian LLC ("Marathon"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.
- 2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the above referenced compulsory pooling application:
 - (a) The purpose of this application is to force pool working interest owners into the Wolfcamp horizontal spacing unit described below, and in wells to be drilled in the unit.
 - (b) 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.
 - (c) A plat outlining the unit being pooled is attached hereto as Exhibit A along with the working interests and percent of such interests being pooled. This exhibit also includes



the ownership of each separate tract in the proposed unit and the proposed well's location within the unit. Marathon seeks an order approving a 320-acre, more or less, spacing and proration unit in the Wolfcamp formation comprised of the N/2 of Section 19, Township 22 South, Range 28 East, NMPM, Eddy County, New Mexico. Applicant further seeking pooling of all mineral interests in the Wolfcamp formation underlying the spacing and proration unit. The unit will be dedicated to the Duda Bides Federal 22-28-19 WXY 5H, Duda Bides Federal 22-28-19 WA 6H, and Duda Bides Federal 22-28-19 WXY 10H wells. These wells are horizontal wells. Plats which show the surface location and first and last take points for each well are attached hereto as Exhibit B.

- (d) There are no depth severances within the Wolfcamp formation underlying the proposed unit.
- (e) The proposed TVD for the wells is approximately 9,347 feet (Duda Bides Federal 22-28-19 WXY 5H), approximately 9,488 feet (Duda Bides Federal 22-28-19 WA 6H), and approximately 9,327 feet (Duda Bides Federal 22-28-19 WXY 10H). The wells will develop the Purple Sage Wolfcamp Gas Pool (Pool Code 98220), which is designated as a gas pool. The completed laterals will comply with the setback requirements for this pool.
- (f) The parties being pooled, their last known address, and the nature of their interests are set forth in Exhibit C.
- (g) I have conducted a diligent search of the public records in the county where the well is located, searched phone directors and conducted computer searched to locate contact information for parties entitled to notification.
- (h) There are no un-locatable interest owners or returned mailings.

- (i) Exhibit D contains a summary of contact or attempted contacts with the interest owners, together with copies of the proposal letters sent to interest owners.
- (j) Marathon has made a good faith effort to obtain voluntary joinder of the work interest owners in the proposed well.
- (k) There are overriding royalty interests in the acreage at issue and they have been notified of this application. Marathon seeks to pool these interests in the unit.
- (l) Exhibit E is the well proposal letters and 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.
- (m) Marathon requests overhead and administrative rates of \$7000/month for a drilling well and \$700/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico. Marathon requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (n) Marathon requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (o) Marathon requests that it be designated operator of the well.
- The attachments to this affidavit were prepared by me, or compiled from company business records.
- 4. I attest that the information provided herein is correct and complete to the best of my knowledge and belief.

5. The granting of this application is in the interests of conservation and the prevention of waste.

Chase Rice

SUBSCRIBED AND SWORN to before me this 20th day of September, 2018 by Chase Rice.

Notary Public

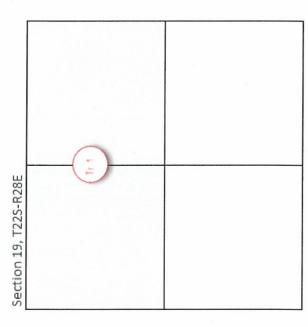
My commission expires: 02 - 12 - 2019

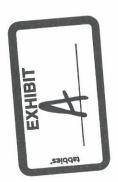
DEBORAH A SVATEK LOGUE Notary Public, State of Texas Commission Expires 02-12-2019 Notary ID 12600004-9

Lease Tract Map Duda Bides Federal 22-28-19 WXY 5H, Duda Bides Federal 22-28-19 WA 6H, and Duda Bides Federal 22-28-19 WXY 10H N/2 of Section 19, T22S-R28E– 320 acres

Tract 1: BLM Lease 415461

N/2 of Section 19, T22S-R28E









Summary of Interests
Duda Bides Federal 22-28-19 WXY 5H, Duda Bides Federal 22-28-19 WA 6H, and
Duda Bides Federal 22-28-19 WXY 10H
N/2 of Section 19, T22S-R28E- 320 acres

 N/2 of Section 19, T22S-R28E – 320 acres

 Committed Working Interest:
 33.333300%

 Marathon Oil Permian LLC
 50.00000000

 Uncommitted Working Interest:
 66.666700%

 Occidental Permian Ltd.
 49.623200%

 Thru Line LP
 17.043500%

 Unleased Mineral Interest:
 0.000000%

100.00%

Total:

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

District II

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

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

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

State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, NM 87505

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

☐ AMENDED REPORT

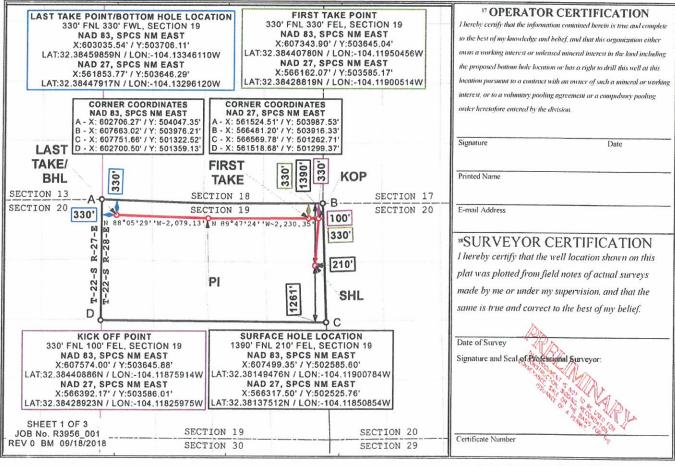
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOL	CAMP (GAS)	
⁴ Property Code	•	rty Name 22 28 19 WXY F	6 Well Number	
⁷ OGRID No. 372098	· ·	⁸ Operator Name MARATHON OIL PERMIAN LLC		
	10 Surfac	e Location		

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	19	22S	28E		1390	NORTH	210	EAST	EDDY
			" Bo	ttom Hol	e Location If	Different Fron	n Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	19	22S	28E		330	NORTH	330	WEST	EDDY
12 Dedicated Acres	¹³ Joint or	r Infill 14 (Consolidation (Code 15 Or	der No.	······································	4		
302.7									

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.





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

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

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

12 Dedicated Acres

302.7

API Number

22S

3 Joint or Infill

28E

14 Consolidation Code

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

EDDY

WELL LOCATION AND ACREAGE DEDICATION PLAT

² Pool Code

				98220		PURPLE	LFCAMP (G	P (GAS)		
⁴ Property	Property Code Suppose Property Name DUDA BIDES 22 28 19 WA F						6,	Well Number 6H		
⁷ ogrid 37209				MARA'	* Operator N THON OIL I	Name PERMIAN LLO	C		"Elevation 3080'	
					10 Surface L	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Н	19	22S	28E		1360	NORTH	210	EAST	EDDY	
			" Bott	om Hol	e Location If	Different From	Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	

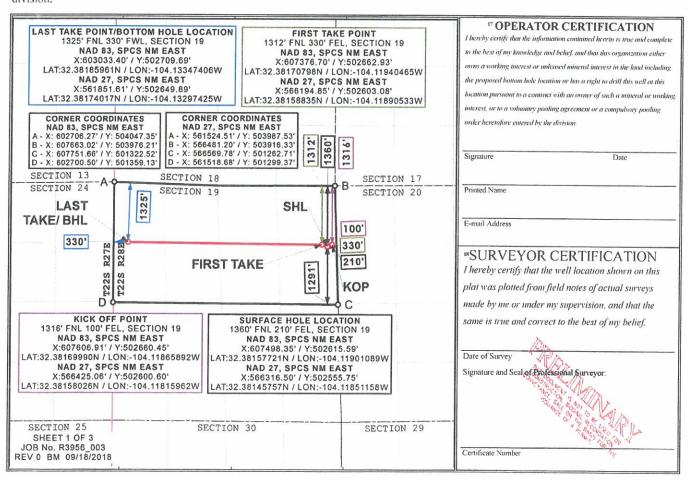
NORTH

330

WEST

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.

1325



<u>District.1</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District II</u>

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WELL LOCATION AND ACREAGE DEDICATION PLAT

				CHILO	VAIND ACK	LAGE DEDIC	ATIONILA	1			
API Number				² Pool Code ³ Pool Name			ne				
	98220 PURPLE SAGE; WOLFCAM						LFCAMP (G.	MP (GAS)			
1 Property	Code				5 Property !	Name		6	⁶ Well Number		
				DUD	A BIDES 22	28 19 WXY F			10H		
⁷ OGRID	No.				8 Operator !	Name	We shall be a second of the se		⁹ Elevation		
37209	98			MARATHON OIL PERMIAN LLC				LLC 3080'			
					¹⁰ Surface I	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Н	19	22S	28E		1330	NORTH	210	EAST	EDDY		
			" Bot	ttom Hol	e Location If	Different From	Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Е	19	22S	28E		2348	NORTH	330	WEST	EDDY		
12 Dedicated Acres	s 13 Joint or	Infill 14 C	onsolidation (Code 15 Or	der No.						
302.7											

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.

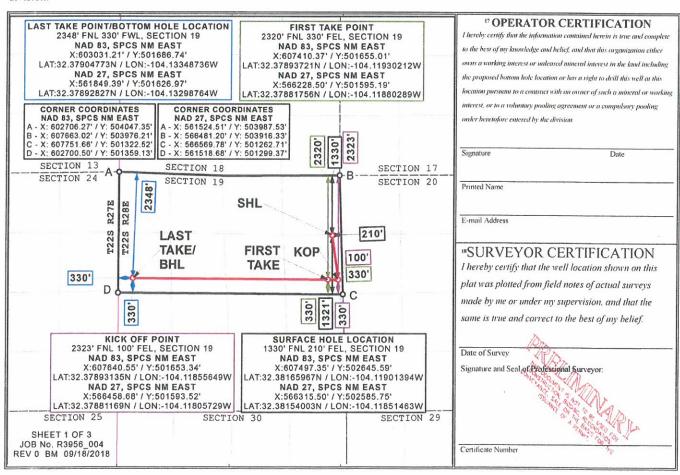


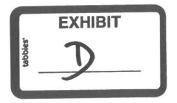
Exhibit C - Pooled Parties and Addresses

OWNER(S)	ТҮРЕ
Occidental Permian Ltd.	
5 East Greenway Plaza #10	
Houston, TX 77046	WI
Thru Line LP	
201 Main Street, Suite 2700	of .
Fort Worth, TX 76102	WI
Hilltop National Bank, as Successor	
Trustee of the Dorothy R. Brown Trust	
Casper, WY 82602	ORRI
Hilltop National Bank, as Successor	
Trustee of the William H. Brown	
Mineral Trust	
Casper, WY 82602	ORRI
Key Production Company, Inc	-
1700 Lincoln Street, Suite 2050	
Denver, CO 80203	ORRI
Occidental Permian Ltd.	
5 East Greenway Plaza #10	
Houston, TX 77046	ORRI



Summary of Attempted Contacts

- Marathon sent well proposal letters on June 26, 2018.
- Marathon then contacted parties to see if they would participate in the well and/or execute a joint operating agreement.
- Marathon conducted updated record searches and internet searches for contact information for parties it seeks to pool.
- Marathon continued to attempt to contact the parties who had not executed an agreement.
- Marathon filed an application to force pool parties who had not entered in to an agreement.
- Marathon sent notices of the force pooling application to the addresses of record.
- Marathon then also published notice in a newspaper of general circulation in the county where the wells will be located.



Steven Martinez
Land Agent for Marathon Oil Permian LLC



T-O Land & Minerals, Inc., Agent 25465 Scenic Loop Rd. San Antonio, Texas 78255 Telephone: (210) 826-3000 Email: smartinez@t-oland.com

June 26, 2018

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED 7018 0040 0000 3767 8476

Thru Line O&G NM L.L.C. C/O XTO Energy, Inc. 810 Houston St. Fort Worth, Texas 76102

Re:

Duda Bides Federal 5H, 6H, 7H & 10H Well Proposals N/2 and E/2 E/2 of Section 19, Township 22 South, Range 28 East Eddy County, New Mexico

Dear Thru Line O&G NM L.L.C.:

Marathon Oil Permian LLC ("Marathon") proposes the drilling of the following wells located in the N/2 and E/2 E/2 of Section 19, 22S-28E, Eddy County, New Mexico, all to be drilled from one surface pad location.

Well Name	SHL	BHL	Proration Unit	Target TVD	Est. MD
Duda Bides Federal 22-28-19 WXY 5H	~210' FEL & ~1390' FNL	330' FWL & 330' FNL	N/2 of Sec. 19	9,347'	14,262'
Duda Bides Federal 22-28-19 TBC 7H	~210' FEL & ~1300' FNL	330' FEL & 330' FSL	E/2 E/2 of Sec. 19	8,483'	13,410'
Duda Bides Federal 22-28-19 WA 6H	~210' FEL & ~1360' FNL	330' FWL & 1330' FNL	N/2 of Sec. 19	9,488'	14,359'
Duda Bides Federal 22-28-19 WXY 10H	~210' FEL & ~1330' FNL	330' FWL & 2310' FNL	N/2 of Sec. 19	9.327'	14.252'

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

Marathon proposes drilling the wells under the terms of the 1989 AAPL JOA, and if you are interested in participating, a form of this JOA will be sent to you following this proposal. The JOA will have the following general provisions:

- 100%/300%/300% non-consent penalty
- \$7,000/\$700 drilling and producing rates
- Contract area of Section 19, 22S-28E, covering all depths

Our title records indicate that you own 0.170435 WI in the proposed unit.

If your election is to participate in the drilling and completion of the wells, 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:

Should you have any questions regarding this or other matters, please do not hesitate to contact me via the phone number or email address listed above. Sincerely, Steven Martinez Land Agent for Marathon Oil Permian, LLC Thru Line O&G NM L.L.C. elects to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WXY 5H. Thru Line O&G NM L.L.C. elects NOT to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WXY 5H. Thru Line O&G NM L.L.C. elects to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WA 6H. Thru Line O&G NM L.L.C. elects NOT to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WA 6H. Thru Line O&G NM L.L.C. elects to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 TBC 7H. Thru Line O&G NM L.L.C. elects NOT to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 TBC 7H. Thru Line O&G NM L.L.C. elects to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WXY 10H. Thru Line O&G NM L.L.C. elects NOT to participate in the drilling, completing, and equipping of the Duda Bides Federal 22-28-19 WXY 10H. Thru Line O&G NM L.L.C. By: ____

This term assignment offer terminates on July 26, 2018 and is subject to due diligence and title verification

satisfactory to Marathon.

Print Name: _____

Title: _____

Summary of Attempted Contacts

- Marathon sent well proposal letters on June 26, 2018.
- Marathon then contacted parties to see if they would participate in the well and/or execute a joint operating agreement.
- Marathon conducted updated record searches and internet searches for contact information for parties it seeks to pool.
- Marathon continued to attempt to contact the parties who had not executed an agreement.
- Marathon filed an application to force pool parties who had not entered in to an agreement.
- Marathon sent notices of the force pooling application to the addresses of record.
- Marathon then also published notice in a newspaper of general circulation in the county where the wells will be located.

MARATHON OIL PERMIAN LLC
AUTHORITY FOR EXPENDITURE
DETAIL OF ESTIMATED WELL COSTS

DATE 6/12/2018

DRILLING & LOCATION PREPARED BY MATTHEW RUGARD

COMPLETION PREPARED BY JOSH SHANNON

FACILITIES PREPARED BY MATT HENSCHEN

ARTIFICIAL LIFT PREPARED BY BILLY MOORE

				ARTIFICIAL LIFT PREPA	ARED BY BILLY MOORE
Acces Toom	DEDAGLAN				
Asset Team	PERMIAN PURPLE SAGE; WOLI FORMATION:	MOLECANAD		HUDGAT	EVOLODATION.
Field Lease/Facility	PURPLE SAGE; WOLI FORMATION: DUDA BIDES FEDERAL 22-28-19 WXY 5H	WOLFCAMIP	_	WILDCAT DEVELOPMENT	EXPLORATION RECOMPLETION
Location	EDDY COUNTY			EXPLOITATION	WORKOVER
Prospect	MALAGA		_^	EXPLOITATION	WORKOVER
riospect	MALAGA				
Est Total Depth	14,262	rilling Days _	18	Est Completi	ion Days 5.5
LOCATION COST	- INTANGIBLE				
GL CODE	DES	CRIPTION			ESTIMATED COST
7001270	Location and Access	citii iioii			37,500
7001250	Land Broker Fees and Services				31,250
7002	Early Divine Fees and Services		***************************************		31,230
	TOTAL LOCATION COST - INTANGIBLE				68,750
DRILLING COST -	TANGIBLE	0.000	000		
7012050	Conductor Pipe				28,000
7012050	Surface Casing				15,000
7012050	Intermediate Casing 1				61,000
7012050	Intermediate Casing 2				
					207,000
7012050	Production Casing	-			71,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories				55,000
7012550	Drilling Wellhead Equipment				50,000
7012040	Casing & Tubing Access				24,000
7012270	Miscellaneous MRO Materials				5,000
	TOTAL DRILLING - TANGIBLE				516,000
DRILLING COST -	INTANGIBLE			POTANO A CARACTERISTA	
7019200	Drilling Rig Mob/Demob				33,750
7019220	Drilling Rig - day work/footage				450,000
7019040	Directional Drilling Services				148,000
7019020	Cement and Cementing Service		urface		15,000
7019020	Cement and Cementing Service		termediate 1		25,000
7019020	Cement and Cementing Service	In	termediate 2	t	40,000
7019020	Cement and Cementing Service	Pr	roduction		45,000
7019140	Mud Fluids & Services				62,000
7012310	Solids Control equipment				32,000
7012020	Bits				70,000
7019010	Casing Crew and Services				30,000
7016350	Fuel (Rig)				55,000
7019140	Fuel (Mud)				18,000
7001460	Water (non potable)				25,000
7019000	Well Logging Services				23,000
7019150			1 200		- 11000
7019150	Mud Logging+geosteering Stabilizers, Hole Openers, Underreamers (DH renta	ale)			14,000
		iisj			15,000
7019110	Casing inspection/cleaning				15,000
7019110	Drill pipe/collar inspection services				10,000
7016180	Freight - truck				25,000
7001460	Water hauling and disposal (includes soil farming)				60,000
7001440	Vacuum Trucks				10,000
7000030	Contract Labor - general				30,000
7018150	Rental Tools and Equipment (surface rentals)				72,000
7018150	Rig Equipment and Misc.				9,000
7001110	Telecommunications Services				5,000
7001120	Consulting Services				84,600
7001400	Safety and Environmental				28,800
7018120	Rental Buildings (trailers)				14,400
7019310	Coring (sidewalls & analysis)				
7011010	8% Contingency & Taxes				125,073
	TOTAL DRILLING - INTANGIBLE				\$1,566,623
	TOTAL DRILLING COST				\$2,082,623
COMPLETION - TA	NGIBLE				
7012580	Tubing				50,000
7012040	Tubing Accessories (nipple, wireline entry)				5,000
7012550	Wellhead Equip				5,000
7012560	Packers - Completion Equipment				40,000
	TOTAL COMPLETION - TANGIBLE				
	TO THE COMPLETION - TANGIBLE				\$100,000



DETAIL OF ESTIMATED WELL COSTS

Asset Team

PERMIAN

Field PURPLE SAGE;WOL FORMATION: WOLFCAMP Lease/Facility DUDA BIDES FEDERAL 22-28-19 WXY 5H COMPLETION - INTANGIBLE GL CODE **ESTIMATED COST** 7001270 Location and Access (dress location after rig move, set anchors) 5,000 7019220 **Drilling Rig During Completion** 60,000 7019140 Mud Fluids & Services 7019030 Colled Tubing Services (3 runs) 120,000 7019240 **Snubbing Services** 7019270 Pulling/Swab Units 7016350 Fuel (from drlg) 7019010 **Casing Crew and Services** Cement and Cementing Services 7019080 Well Testing Services (flow hand & equip) 105,000 7019320 **Fracturing Services** 2,030,000 7019330 Perforating 175,000 7019360 Wireline Services 10,000 7001460 Water Hauling & Disposal (frac fluids) 250,000 7016180 Freight - Truck (haul pipe; drlg & compl) 10,000 7018150 **BOP Rental & Testing** Rental Tools and Equipment (incl drlg; lightplant,hydra-walk) 7018150 CT Downhole Rental Equipment (ie. Bit, BHA) 7000030 Contract Labor - general 25,000 7001110 **Telecommunications Services** 90,000 Safety and Environmental 7001120 **Consulting Services** 40,000 7018150 Zipper Manifold 110,000 7019300 Frack Stack Rentals 40,000 Freight (Transportation Services) 7016190 7018150 Equipment Rental (w/o operator, frac tanks, lightplants) 65,000 7018120 Rental Buildings (trailers) 15,000 7000030 Contract Labor - Pumping (pump-down pumps) 60,000 7011010 8% Contingency & Taxes 232,400 TOTAL COMPLETION - INTANGIBLE \$3,442,400 TOTAL COMPLETION COST \$3,542,400 SURFACE EQUIPMENT - TANGIBLE 7012350 Misc. Piping, Fittings & Valves 85,794 7006640 Company Labor & Burden 7000030 Contract Labor - General 67,540 7001110 Telecommunication equip (Telemetry) 7012410 Line Pipe & Accessories 26,786 7012270 Miscellaneous Materials (containment system) 43,227 7008060 SCADA 7016180 Freight - truck 7001190 Contract Engineering 29,116 7012290 Metering and Instrumentation 235,914 7012290 **I&E Materials** 7012200 **Gas Treating** 7012200 Dehydration 7012010 Compressor 7012350 7012610 Vapor Recovery Unit 7012440 Separator & other pressure vessels 85,919 144,894 7012100 Heater Treater 17,330 7012640 Flare & Accessories 11.646 7000010 **Electrical Labor** 29,116 7000010 Mechanical Labor 7012480 Rod Pumping unit & Pad 7012180 **Pumping Unit Engine** 7012350 Electrical Power (electrical cooperative construction costs) 23,293 TOTAL SURFACE EQUIPMENT - TANGIBLE \$800,575 TOTAL SURFACE EQUIPMENT COST \$ 800,575 ARTIFICIAL LIFT 7006640 2,500 7012180 **Gas Lift Equipment** 38,000 7012480 Rod Pumping, Sucker Rods & Rod Pump 7012140 Elect Sub Pumps (ESP) 7019350 Well Services-Well/Wellhead Services 20,000 7012270 Materials & Supplies-Tangible 13.000 Surface Wellhead Equipment 5,500 7012390 Pig Launchers/Receivers & Rel Equip 7011010 TOTAL ARTIFICIAL LIFT 79,000 TOTAL ARTIFICIAL LIFT COST 79,000 \$

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL COST

TOTAL LOCATION COST TOTAL DRILLING COST TOTAL COMPLETIONS COST

68,750 2,082,623 3,542,400 TOTAL SURFACE EQUIPMENT COST TOTAL ARTIFICIAL LIFT COST

GRAND TOTAL COST

\$ 800,575 \$ 79,000 \$6,573,348 MARATHON OIL PERMIAN LLC AUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS DATE 6/12/2018

DRILLING & LOCATION PREPARED BY MATTHEW RUGARD

COMPLETION PREPARED BY JOSH SHANNON

FACILITIES PREPARED BY MATT HENSCHEN

ARTIFICIAL LIFT PREPARED BY BILLY MOORE

Asset Team	PERMIAN	
Field	PURPLE SAGE; WOLI FORMATION: WOLFCAMP WILDCAT	EXPLORATION
Lease/Facility	DUDA BIDES FEDERAL 22-28-19 WA 6H DEVELOPMENT	RECOMPLETION
Location	EDDY COUNTY X EXPLOITATION	WORKOVER
Prospect	MALAGA	- WORROVER
riospect	WADAGA	
Est Total Depth	14,359 Est Drilling Days 18 Est Completion D	ays 5.5
LOCATION COST	INTANGIBLE	
GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	37,500
7001250	Land Broker Fees and Services	31,250
	TOTAL LOCATION COST - INTANGIBLE	68,750
DRILLING COST -	FANGIBLE	
7012050	Conductor Pipe	28,000
7012050	Surface Casing Surfac	15,000
7012050	Intermediate Casing 1	55,000
7012050	Intermediate Casing 2	207,000
7012050	Production Casing	71,000
7012050	Drig Liner Hanger, Tieback Eq & Csg Accessories	55,000
7012550	Drilling Wellhead Equipment	50,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	
7012270	Wiscenaneous Wino Waterials	5,000
	TOTAL DRILLING - TANGIBLE	510,000
DRILLING COST - I	ALTANCIDI F	
DRILLING COST - I	WIANGIBLE	
7019200	Drilling Rig Mob/Demob	33,750
7019220	Drilling Rig - day work/footage	450,000
7019040	Directional Drilling Services	148,000
7019020	Cement and Cementing Service Surface	
		15,000
7019020	Cement and Cementing Service Intermediate 1	25,000
7019020	Cement and Cementing Service Intermediate 2	40,000
7019020	Cement and Cementing Service Production	45,000
7019140	Mud Fluids & Services	62,000
7012310	Solids Control equipment	
		32,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	55,000
7019140	Fuel (Mud)	18,000
7001460	Water (non potable)	25,000
7019000	Well Logging Services	23,000
7019150	Mud Logging+geosteering	14,000
7019250	Stabilizers, Hole Openers, Underreamers (DH rentals)	15,000
7019110	Casing Inspection/cleaning	15,000
7019110	Drill pipe/collar inspection services	10,000
7016180	Freight - truck	25,000
7001460		
	Water hauling and disposal (includes soil farming)	60,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7018150	Rental Tools and Equipment (surface rentals)	72,000
7018150	Rig Equipment and Misc.	9,000
7001110	Telecommunications Services	5,000
7001120	Consulting Services	84,600
7001400	Safety and Environmental	28,800
7018120	Rental Buildings (trailers)	14,400
7019310	Coring (sidewalls & analysis)	
7011010	8% Contingency & Taxes	124,713
7022020	en commence of concessions	
	TOTAL DRILLING - INTANGIBLE	\$1,566,263
	TOTAL DRILLING COST	\$2,076,263
OMPLETION - TA	NGIBLE	
7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560		
7012300	Packers - Completion Equipment	40,000
	TOTAL COMPLETION - TANGIBLE	\$100,000

TE 6/12/2018

DETAIL OF ESTIMATED WELL COSTS Asset Team PERMIAN Field PURPLE SAGE:WOL FORMATION: WOLFCAMP Lease/Facility DUDA BIDES FEDERAL 22-28-19 WA 6H COMPLETION - INTANGIBLE GL CODE DESCRIPTION **ESTIMATED COST** 7001270 Location and Access (dress location after rig move, set anchors) 5,000 7019220 **Drilling Rig During Completion** 60,000 Mud Fluids & Services 7019140 7019030 Coiled Tubing Services (3 runs) 120,000 7019240 **Snubbing Services** 7019270 Pulling/Swab Units 7016350 Fuel (from drlg) Casing Crew and Services 7019010 7019020 **Cement and Cementing Services** 7019080 Well Testing Services (flow hand & equip) 105,000 7019320 Fracturing Services 2,030,000 7019330 Perforating 175,000 7019360 Wireline Services 10,000 7001460 Water Hauling & Disposal (frac fluids) 250,000 7016180 Freight - Truck (haul pipe; drlg & compl) 10,000 7018150 BOP Rental & Testing 7018150 Rental Tools and Equipment (incl drig; lightplant, hydra-walk) 7018150 CT Downhole Rental Equipment (ie. Bit, BHA) Contract Labor - general 25,000 7001110 Telecommunications Services 90,000 7001400 Safety and Environmental 7001120 **Consulting Services** 40.000 Zipper Manifold 7018150 110,000 7019300 Frack Stack Rentals 40,000 7016190 Freight (Transportation Services) 7018150 Equipment Rental (w/o operator, frac tanks, lightplants) 65,000 7018120 Rental Buildings (trailers) 15,000 7000030 Contract Labor - Pumping (pump-down pumps) 60,000 7011010 8% Contingency & Taxes 232,400 TOTAL COMPLETION - INTANGIBLE \$3,442,400 TOTAL COMPLETION COST \$3,542,400 SURFACE EQUIPMENT - TANGIBLE 7012350 Misc. Piping, Fittings & Valves 85,794 7006640 Company Labor & Burden 7000030 Contract Labor - General 67,540 Telecommunication equip (Telemetry) 7012410 Line Pipe & Accessories 26,786 7012270 Miscellaneous Materials (containment system) 43,227 SCADA 7008060 7016180 Freight - truck 7001190 Contract Engineering 29,116 7012290 Metering and Instrumentation 235,914 7012290 I&E Materials 7012200 Gas Treating 7012200 Dehydration 7012010 Compressor 7012350 Power 7012610 Vapor Recovery Unit 7012440 Separator & other pressure vessels 85,919 7012500 Tanks 144.894 7012100 Heater Treater 17,330 Flare & Accessorie: 11,646 7000010 Electrical Labor 29,116 7000010 Mechanical Labor 7012480 Rod Pumping unit & Pad 7012180 **Pumping Unit Engine** 7012350 Electrical Power (electrical cooperative construction costs) 23,293 TOTAL SURFACE EQUIPMENT - TANGIBLE \$800,575 **TOTAL SURFACE EQUIPMENT COST** \$ 800,575 ARTIFICIAL LIFT **Company Labor** 2,500 7012180 Gas Lift Equipment 38,000 7012480 Rod Pumping, Sucker Rods & Rod Pump 7012140 Elect Sub Pumps (ESP) 7019350 Well Services-Well/Wellhead Services 20,000 7012270 Materials & Supplies-Tangible 13,000 7012550 Surface Wellhead Equipment 5,500 7012390 Pig Launchers/Receivers & Rel Equip 7011010 8% Contingency & Taxes TOTAL ARTIFICIAL LIFT 79,000 TOTAL ARTIFICIAL LIFT COST \$ 79,000

SUMMARY OF ESTIMATED DRILLING WELL COSTS

TOTAL LOCATION COST TOTAL DRILLING COST TOTAL COMPLETIONS COST TOTAL COST

68,750 2,076,263 3,542,400 TOTAL SURFACE EQUIPMENT COST TOTAL ARTIFICIAL LIFT COST

GRAND TOTAL COST

\$ 800,575 \$ 79,000

\$6,566,988

MARATHON OIL PERMIAN LLC AUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS DATE 6/12/2018

DRILLING & LOCATION PREPARED BY MATTHEW RUGARD

COMPLETION PREPARED BY JOSH SHANNON
FACILITIES PREPARED BY MATT HENSCHEN

ARTIFICIAL LIFT PREPARED BY BILLY MOORE

Asset Team	PERMIAN	
Field	PURPLE SAGE; WOLI FORMATION: WOLFCAMP WILDCAT	EXPLORATION
Lease/Facility	DUDA BIDES FEDERAL 22-28-19 WXY 10H DEVELOPMENT	RECOMPLETION
Location	EDDY COUNTY X EXPLOITATION	WORKOVER
Prospect	MALAGA	
Est Total Depth		5.5
LOCATION COST -	INTANGIBLE	
GL CODE	DESCRIPTION	ESTIMATED COST
7001270	Location and Access	37,500
7001250	Land Broker Fees and Services	31,250
	TOTAL LOCATION COST - INTANGIBLE	68,750
DRILLING COST - 1	ANGIBLE	
7012050	Conductor Pipe	28,000
7012050	Surface Casing	16,000
7012050	Intermediate Casing 1	61,000
7012050	Intermediate Casing 2	
7012050	Production Casing	207,000
	Drig Liner Hanger, Tieback Eq & Csg Accessories	71,000
7012050		55,000
7012550	Drilling Wellhead Equipment	50,000
7012040	Casing & Tubing Access	24,000
7012270	Miscellaneous MRO Materials	5,000
	TOTAL DRILLING - TANGIBLE	517,000
DRILLING COST - I	YTANGIBLE	
7019200	Drilling Rig Mob/Demob	33,750
7019220	Drilling Rig - day work/footage	450,000
7019040	Directional Drilling Services	148,000
7019020	Cement and Cementing Service Surface	15,000
7019020	Cement and Cementing Service Intermediate 1	25,000
7019020	Cement and Cementing Service Intermediate 2	40,000
7019020	Cement and Cementing Service Production	45,000
7019140	Mud Fluids & Services	
7012310		62,000
	Solids Control equipment	32,000
7012020	Bits	70,000
7019010	Casing Crew and Services	30,000
7016350	Fuel (Rig)	55,000
7019140	Fuel (Mud)	18,000
7001460	Water (non potable)	25,000
7019000	Well Logging Services	
7019150	Mud Logging+geosteering	14,000
7019250	Stabilizers, Hole Openers, Underreamers (DH rentals)	15,000
7019110	Casing Inspection/cleaning	15,000
7019110	Drill pipe/collar inspection services	10,000
7016180	Freight - truck	25,000
7001460	Water hauling and disposal (includes soil farming)	60,000
7001440	Vacuum Trucks	10,000
7000030	Contract Labor - general	30,000
7018150	Rental Tools and Equipment (surface rentals)	72,000
7018150	Rig Equipment and Misc.	9,000
7001110	Telecommunications Services	5,000
7001120	Consulting Services	84,600
7001400	Safety and Environmental	28,800
7018120	Rental Buildings (trailers)	
7019310	Coring (sidewalls & analysis)	14,400
7011010	8% Contingency & Taxes	125,133
7011010		
	TOTAL DRILLING - INTANGIBLE	\$1,566,683
	TOTAL DRILLING COST	\$2,083,683
OMPLETION - TAI	VGIBLE	
7012580	Tubing	50,000
7012040	Tubing Accessories (nipple, wireline entry)	5,000
7012550	Wellhead Equip	5,000
7012560	Packers - Completion Equipment	40,000
	TOTAL COMPLETION - TANGIBLE	\$100,000
		\$100,000

MARATHON OIL PERMIAN LLC AUTHORITY FOR EXPENDITURE DETAIL OF ESTIMATED WELL COSTS

Asset Team PERMIAN

PURPLE SAGE;WOL FORMATION: WOLFCAMP

Assect.
Field
-/Facilit

Lease/Facility	DUDA BIDES FEDERAL 22-28-19 WXY 10H		
COMPLETION -	INTANGIBI F		A CONTRACTOR OF THE CONTRACTOR
GL CODE			
7001270	DESCRIPTION	ES	TIMATED COST
7019220	Location and Access (dress location after rig move, set anchors) Drilling Rig During Completion		5,000
7019140	Mud Fluids & Services	-	60,000
7019030	Coiled Tubing Services (3 runs)	_	120,000
7019240	Snubbing Services	3 3	120,000
7019270	Pulling/Swab Units		
7016350	Fuel (from drig)		
7019010	Casing Crew and Services		
7019020	Cement and Cementing Services		
7019080	Well Testing Services (flow hand & equip)	-	105,000
7019320	Fracturing Services		2,030,000
7019330	Perforating		175,000
7019360	Wireline Services		10,000
7001460	Water Hauling & Disposal (frac fluids)	-	250,000
7016180	Freight - Truck (haul pipe; drig & compl)		10,000
7018150	BOP Rental & Testing	-	
7018150	Rental Tools and Equipment (incl drig; lightplant,hydra-walk)	-	-
7018150	CT Downhole Rental Equipment (ie. Bit, BHA)		
7000030	Contract Labor - general		25,000
7001110	Telecommunications Services	-	90,000
7001400	Safety and Environmental		
7001120	Consulting Services		40,000
7018150	Zipper Manifold		110,000
7019300	Frack Stack Rentals		40,000
7016190	Freight (Transportation Services)		,
7018150	Equipment Rental (w/o operator, frac tanks, lightplants)		65,000
7018120	Rental Buildings (trailers)		15,000
7000030	Contract Labor - Pumping (pump-down pumps)		60,000
7011010	8% Contingency & Taxes	-	232,400
	TOTAL COMPLETION - INTANGIBLE		\$3,442,400
	TOTAL COMPLETION COST	_	\$3,542,400
SURFACE EQUIP	MENT - TANGIBLE		
7012350	Misc. Piping, Fittings & Valves		85,794
7006640	Company Labor & Burden		
7000030	Contract Labor - General		67,540
7001110	Telecommunication equip (Telemetry)		-
7012410	Line Pipe & Accessories	337	26,786
7012270	Miscellaneous Materials (containment system)		43,227
7008060	SCADA		
7016180	Freight - truck		
7001190	Contract Engineering		29,116
7012290	Metering and Instrumentation		235,914
7012290	1&E Materials		
7012200	Gas Treating		
7012200	Dehydration		
7012010	Compressor		-
7012350	Power		
7012610	Vapor Recovery Unit		
7012440	Separator & other pressure vessels		85,919
7012500	Tanks		144,894
7012100	Heater Treater		17,330
7012640	Flare & Accessories	-	11,646
7000010	Electrical Labor		29,116
7000010	Mechanical Labor		
7012480	Rod Pumping unit & Pad		-
7012180	Pumping Unit Engine		
7012350	Electrical Power (electrical cooperative construction costs)		23,293
	TOTAL SURFACE EQUIPMENT - TANGIBLE		\$800,575
	TOTAL SURFACE EQUIPMENT COST	\$	800,575
ARTIFICIAL LIFT			
ANTIFICIAL LIFT			
7006640	Company Labor		2,500
7012180	Gas Lift Equipment		38,000
7012480	Rod Pumping, Sucker Rods & Rod Pump		
7012140	Elect Sub Pumps (ESP)		
7019350	Well Services-Well/Wellhead Services		20,000
7012270	Materials & Supplies-Tangible	10.0	13,000
7012550	Surface Wellhead Equipment		5,500
7012390	Pig Launchers/Receivers & Rel Equip	100	
7011010	8% Contingency & Taxes		740
	TOTAL ARTIFICIAL LIFT	_	79,000
	TOTAL ARTIFICIAL LIFT COST	\$	79,000
	SUMMARY OF ESTIMATED DRILLING WELL COSTS	TC	TAL COST
	TOTAL LOCATION COST	\$	68,750

TOTAL LOCATION COST TOTAL DRILLING COST TOTAL COMPLETIONS COST

68,750 2,083,683 3,542,400 TOTAL SURFACE EQUIPMENT COST TOTAL ARTIFICIAL LIFT COST

79,000 **GRAND TOTAL COST**

\$6,574,408

800,575

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

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

CASE NO. 16414

AFFIDAVIT OF TUCKER KEREN

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

Tucker Keren, being duly sworn, deposes and states:

- I am over the age of 18, and have person knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum geologist.
- I am a geologist for Marathon Oil Permian LLC ("Marathon") and I have conducted a geologic study in connection with the above-captioned application.
- 3. I am familiar with the geological matters involved in this case.
- 4. The following geological exhibits are attached hereto:
 - a. Exhibit A is a structure map on the top of the Wolfcamp formation. It shows that the structure dips gently to the east. It also shows producing Wolfcamp wells in the vicinity of the proposed Duda Bides Federal 22-28-19 WXY 5H, Duda Bides Federal 22-28-19 WA 6H, and Duda Bides Federal 22-28-19 WXY 10H wells, and a line of cross-section.



- Exhibit A shows that the Wolfcamp formation is uniform across the proposed well unit.
- c. Exhibit B is a stratigraphic cross section showing the targeted zones in the Wolfcamp formation. The well logs on the cross-section give a representative sample of the Wolfcamp formation in the area. The target zone for the wells is the Wolfcamp Y sand and the Wolfcamp A, and these zones are continuous across the well unit, given that the logs in the middle and right wells on this exhibit are deemed most representative of the spacing unit.
- d. Exhibit C is Gross Interval Isochore map which shows the Wolfcamp to Wolfcamp B zone and uses a 20' contour interval. This map shows the zone encompassing both the Wolfcamp Y Sand and Wolfcamp A targets is approximately 330' in the spacing unit and is consistent over the length of 1-mile laterals. Overall, thickness variation in this area is only on the order of a few feet and does not significantly change in the primary producing zones.

5. I conclude from the maps that:

- The horizontal spacing and proration unit is justified from a geologic standpoint.
- There are no structural impediments or faulting that will interfere with horizontal development.
- Each quarter quarter section in the unit will contribute more or less equally to production.
- 6. The preferred well orientation in this area is east-west. This is because: a) narrow north-south channels likely do not play a significant role in Wolfcamp deposition; b) regional present-day stress maps suggest SHmax is approaching north-south in this area; and c)

other Wolfcamp lateral wells in the area have been drilled east-west (e.g. Section 36-22S-27E)

- The producing interval for the well will be orthodox and will comply with the Division's set back requirements.
- 8. Marathon has requested that it be allowed 365 days after the first well is drilled to complete the wells in this application. This is needed because Marathon currently has one completions crew dedicated to operations in New Mexico.

Tucker Keren

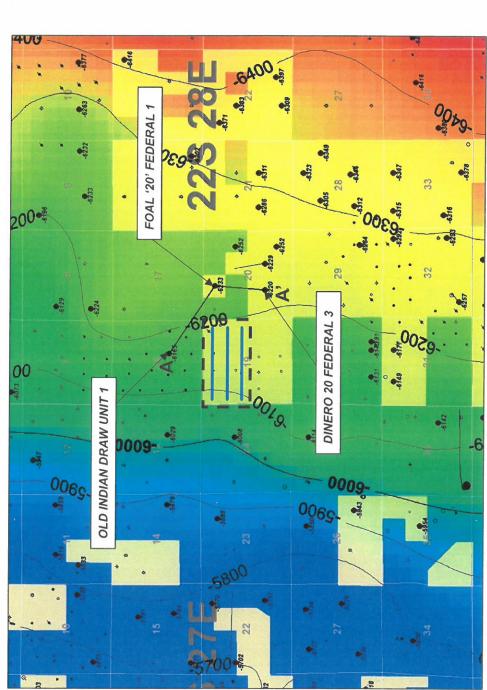
SUBSCRIBED AND SWORN to before me this 18th day of September, 2018 by Tucker Keren.

KAYLA WARRINGTON PUCKETT
Notary Public, State of Texas
Commission Expires 02-20-2019
Notary ID 291043-4

Notary Public

Duda Bides Federal 22-28-19

Structure Map - Top of Wolfcamp Subsea



Map Legend

MRO – Proposed HZ Wellbore

Wolfcamp HZ Producing Well



MRO Acreage



HZ Spacing Unit

C.I. = 100'

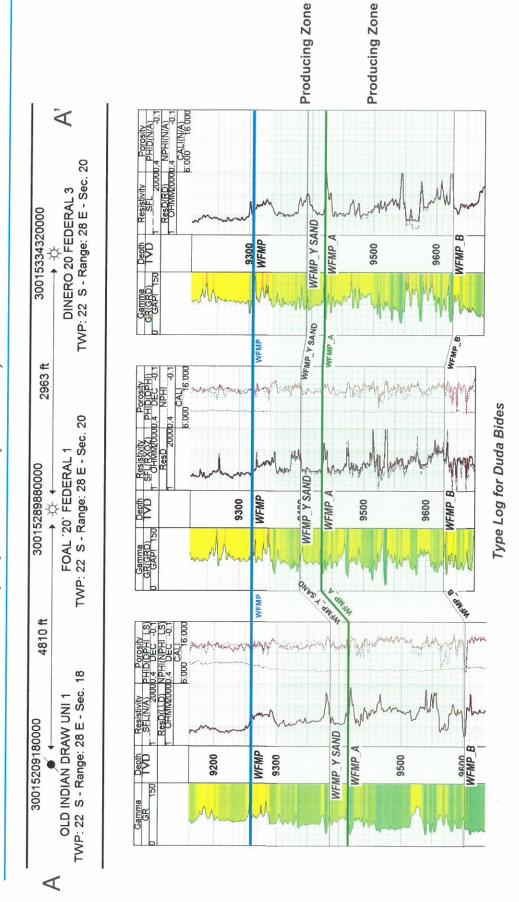






Duda Bides Federal 22-28-19

Stratigraphic Cross Section (Top Wolfcamp Datum)



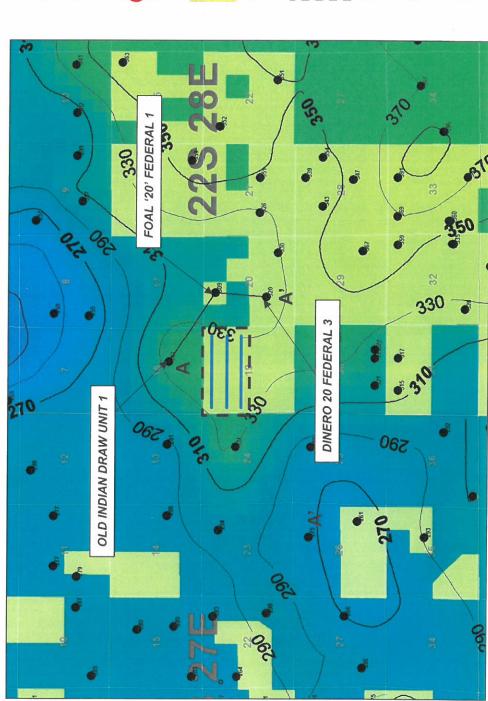




EXHIBIT

Duda Bides Federal 22-28-19

Gross Interval Isochore - Wolfcamp to Wolfcamp B (20' Contours)



Map Legend

MRO - Proposed HZ Wellbore

Wolfcamp HZ Producing Well

MRO Acreage

I -

- - I

HZ Spacing Unit

C.I. = 20

1 mile



EXHIBIT

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

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

CASE NO. 16414

AFFIDAVIT

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

Jennifer L. Bradfute, attorney in fact and authorized representative of Marathon Oil Permian LLC ("Marathon"), the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application was provided under the notice letter and that proof of receipt is attached hereto. Marathon has conducted a good faith, diligent effort to find the names and correct addresses for the interest owners entitled to receive notice of the application filed herein.

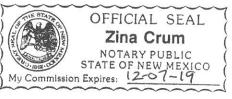
SUBSCRIBED AND SWORN to before me this 19th day of September, 2018 by

Jennifer L. Bradfute.

Notary Public

My commission expires: 12-07-209





Zina Crum Modrall Sperling 500 4th Street NW Suite 1000 Albuquerque NM 87102





Rest.Del.Fee	Contents	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	\$0.00 Notice	80.00
,	Reference	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	81363-0168	
6 6	K.K.Fee	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$19.50
٤	Fee	\$3.45	\$3.45	\$3,45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$44.85
CO 87101	Lostage	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	Totals: \$15.73
Name, Street & P.O. Address		Chevron 6301 Deauville Blvd Midland TX 79706	Chisholm Trail Ventures, LP 201 Main Street, Suite 2700 Ft. Worth TX 76102	Devon 333 West Sheridan Ave., Oklahoma City OK 73102	Hilltop National Bank, as Successor Trustee of the Dorothy R. Brown Trust 300 Country Club Road Casper WY 82609	Hillop National Bank, as Successor Trustee of the William H. Brown Mineral Trust 300 Country Club Road Casper WY 82609	Key Production Company, Inc 1700 Lincoln Street, Suite 2050 Denver CO 80203	Keystone Group 201 Main Street, Suite 2700 Ft. Worth TX 76102	LMBI, LP 201 Main Street, Suite 2700 Ft. Worth TX 76102	Mewbourne Oil Company 500 West Texas Ave. Suite 1020 Midland TX 79701	Occidental Permian Ltd. 5 East Greenway Plaza #10 Houston TX 77046	SRBI, LP 201 Main Street, Suite 2700 Ft. Worth TX 76102	Sundown Energy, LP. Knoll Trail Plaza 16400 Dallas Parkway, Suite 100 Dallas TX 75248	Thru Line LP 201 Main Street, Suite 2700 Ft. Worth TX 76102	
Article Number	0214 9200 0430 0020 222	7214 8077 0430 0030 2383 23	9314 8699 0430 0050 2585 30	9314 8699 0430 0050 2585 47	9314 8699 0430 0050 2585 54	9314 8699 0430 0050 2585 61	9314 8699 0430 0050 2585 78	9314 8699 0430 0050 2585 85	9314 8699 0430 0050 2585 92	9314 8699 0430 0050 2586 08	9314 8699 0430 0050 2586 15	9314 8699 0430 0050 2586 22	9314 8699 0430 0050 2586 39	9314 8699 0430 0050 2586 46	
Line	-	-	2	m	4	N	9	7	∞	6	01	=	12	13	

Dated:

Postmaster: Name of receiving employee Total Number of Pieces Received at Post Office

Page 1 2018 Walz CertifiedPro.net

\$80.08

Grand Total:

List Number of Pieces Listed by Sender

Transaction Report Details - CertifiedPro.net Firm Mail Book ID= 150129 Generated: 9/19/2018 11:07:07 AM

Certified Mail Article Number	r Date Created	Name 1	Name 2	Address	City	State	Zip	Postage	Certified Mailing Status	Service Options	Mail Delivery Date
9314869904300050258646	2018-08-31 10:24 AM Thru Li	ne LP	80 E	201 Main Street, Suite 2700	Ft. Worth	TX	76102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258639	2018-08-31 10:24 AM Sundo	wn Energy, LP.	Knoll Trail Plaza	16400 Dallas Parkway, Suite 100	Dallas	TX	75248	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258622	2018-08-31 10:24 AM SRBI, L	P		201 Main Street, Suite 2700	Ft. Worth	TX	76102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258615	2018-08-31 10:24 AM Occide	ntal Permian Ltd.		5 East Greenway Plaza #10	Houston	TX	77046	1.21	Delivered	Return Receipt - Electronic	09-05-2018
9314869904300050258608	2018-08-31 10:24 AM Mewb	ourne Oil Company		500 West Texas Ave, Suite 1020	Midland	TX	79701	1.21	Delivered	Return Receipt - Electronic	09-05-2018
9314869904300050258592	2018-08-31 10:24 AM LMBI,	LP .		201 Main Street, Suite 2700	Ft. Worth	TX	76102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258585	2018-08-31 10:24 AM Keysto	ne Group		201 Main Street, Suite 2700	Ft. Worth	TX	76102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258578	2018-08-31 10:24 AM Key Pro	oduction Company, Inc		1700 Lincoln Street, Suite 2050	Denver	CO	80203	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258561	2018-08-31 10:24 AM Hilltop	National Bank, as Successor Trustee	of the William H. Brown Mineral Trust	300 Country Club Road	Casper	WY	82609	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258554	2018-08-31 10:24 AM Hilltop	National Bank, as Successor Trustee	of the Dorothy R. Brown Trust	300 Country Club Road	Casper	WY	82609	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258547	2018-08-31 10:24 AM Devon			333 West Sheridan Ave.,	Oklahoma City	OK	73102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258530	2018-08-31 10:24 AM Chisho	lm Trail Ventures, LP		201 Main Street, Suite 2700	Ft. Worth	TX	76102	1.21	Delivered	Return Receipt - Electronic	09-04-2018
9314869904300050258523	2018-08-31 10:24 AM Chevro	n		6301 Deauville Blvd.,	Midland	TX	79706	1.21	Delivered	Return Receipt - Electronic	09-05-2018

CURRENT-ARGUS

CASE No. 16414 Notice to all affected parties, as w devisees of Occidental Permian Ltd.; Chisholm Tr. LP; Thru Line LP; Keystone Group; LMBI, LP; Hillt Successor Trustee of the Dorothy R. Brown Trust;

Bank, as Successor Trustee of the William H. Brov Production Company, Inc of Marathon Oil Permiar for a non-standard spacing and proration unit and Eddy County, New Mexico. The State of New Mexico Conservation Division, hereby gives notice that the Di

a public hearing at 8:15 a.m. on September 20, 2018, 1

plication. Applicant seeks an order from the Division: order from the Division: approving a non-standard spa

unit and pooling all uncommitted mineral interests wi horizontal spacing unit underlying the N/2 of Section South, Range 28 East, NMPM, Eddy County, New Mex unit will be dedicated to the Duda Bides Federal 22-2

Bides Federal 22-28-19 WA 6H, and Duda Bides Federal

10H wells, to be horizontally drilled. The producing are will be orthodox. Also to be considered will be the cos

completing said wells, the allocation of these costs as

operating costs and charges for supervision, designat

operator of the wells, and a 200% charge for risk invo

wells, and allowing a one year period between when t

and when the first well is completed. Said area is loca

six (6) miles East South East of Carlsbad, New Mexico

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AFFIDAVIT OF PUBLICATION

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MODRALL SPERLING PO BOX 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:

09/06/18

Legal Clerk

Subscribed and sworn before me this 6th of September 2018.

State of WI, County of Brown

NOTARY PUBLIC

My Commission Expires

TARA MONDLOCH Notary Public State of Wisconsin