BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING OCTOBER 31, 2019

CASE NO. 20767

DR. LANA WHITE COM #203H WELL DR. LANA WHITE COM #217H WELL DR. LANA WHITE COM #223H WELL

EDDY COUNTY, NEW MEXICO



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

APPLICATION OF MATADOR PRODUCTION COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20767

AFFIDAVIT OF CHRIS CARLETON

Chris Carleton, of lawful age and being first duly sworn, declares as follows:

1. My name is Chris Carleton. I work for MRC Energy Company, an affiliate of

Matador Production Company ("Matador"), as a landman.

2. I have previously testified before the New Mexico Oil Conservation Division as an

expert witness in petroleum land matters. My credentials as a petroleum landman have been

accepted by the Division and made a matter of record.

3. I am familiar with the application filed by Matador in this case, and I am familiar

with the status of the lands in the subject area.

4. In this case, Matador is seeking an Order pooling a standard horizontal spacing unit

in the Wolfcamp formation (Purple Sage; Wolfcamp (Gas) (Pool Code 98220)) underlying a

standard 320-acre horizontal spacing unit comprised of the S/2 of Section 18, Township 24 South,

Range 29 East, NMPM, Eddy County, New Mexico.

5. The spacing unit will be dedicated to the following proposed initial wells: (1) the

Dr. Lana White Com #203H Well, (2) the Dr. Lana White Com #217H Well, and (3) the Dr.

Lana White Com #223H Well.

- 6. Each of these proposed initial wells will be horizontally drilled from a common surface location in the NE/4 SE/4 (Unit I) of Section 13, Township 24 South, Range 28 East, to bottom hole locations in the NE/4 SE/4 (Unit I) of Section 18, Township 24 South, Range 29 East.
- 7. **Matador Exhibit A-1** contains a Form C-102 for each of the proposed initial wells. Matador understands that these wells are located in the Purple Sage; Wolfcamp (Gas) Pool (Pool Code 98220). Pursuant to the Special Rules for the Purple Sage; Wolfcamp (Gas) (Pool Code 98220), the completed interval for these wells will comply with the 330-foot setback requirement.
- 8. **Matador Exhibit A-2** identifies the tracts of land comprising the proposed horizontal spacing unit. The proposed spacing unit is comprised of federal and fee lease lands. The proposed wellbores are marked in blue inside the proposed horizontal spacing unit which is outlined in red.
- 9. **Matador Exhibit A-3** identifies the unleased mineral interest owners that Matador is seeking to pool along with their respective ownership interest in the proposed horizontal spacing unit. Matador Exhibit A-3 also identifies the overriding royalty interest owners that Matador is seeking to pool.
 - 10. There are no depth severances within the Wolfcamp formation for this acreage.
- 11. Matador has been able to locate what it believes to be the most recent contact information for all parties it seeks to pool and has undertaken good faith efforts to reach an agreement with the uncommitted interest owners.
- 12. **Matador Exhibit A-4** contains sample well proposal letters and AFEs sent to the working interest owners for each well. The costs reflected in the AFE are consistent with what other operators have incurred for drilling similar horizontal wells in the area.

- 13. In my opinion, I have made a good faith effort to reach an agreement with each of the unleased mineral interest owners that Matador seeks to pool. If Matador reaches an agreement with any of the proposed pooled parties before the Division enters an order, I will let the Division know that Matador is no longer seeking to pool those parties.
- 14. Matador has made an estimate of overhead and administrative costs for drilling and producing the proposed wells. It is \$8,000/month while drilling, and \$800/month while producing. These costs are consistent with what other operators are charging in this area for these types of wells. Matador respectfully requests that these administrative and overhead costs be incorporated into the order entered by the Division.
- 15. I provided the law firm of Holland & Hart LLP a list of names and addresses for the parties that Matador is seeking to pool. In compiling these notice lists, Matador conducted a diligent search of all public records in the county where the proposed wells are located and of phone directories, including computer searches.
- 16. **Matador Exhibits A-1 through A-4** were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

CHRIS CARLETON

STATE OF TEXAS

COUNTY OF DALLAS

SUBSCRIBED and SWORN to before me this 28 day of October 2019 by Chris Carleton.

NOTARY PUBLIC

My Commission Expires:

4/10/2021

EXHIBIT A-1

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A1 Submitted by: Matador Production Company

Hearing Date: October 31, 2019 Case No 20767

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

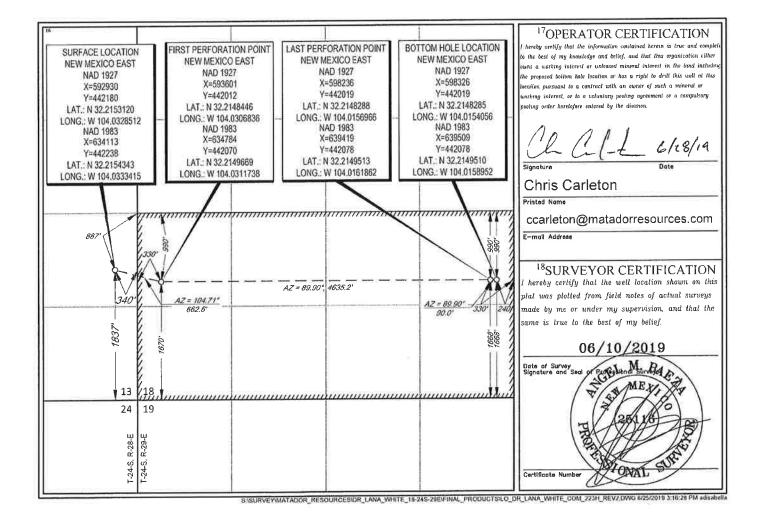
District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa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

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number ² Pool Code 98220					Purple Sage; Wolfcamp (Gas)							
⁴ Property Code				DR	⁵ Property N. LANA WI				ell Number 223H				
⁷ 0GRID 2289			*Operator Name MATADOR PRODUCTION COMPANY *Selevation 2942'										
-					10 Surface Lo	cation							
UL or lot no.	Section 13	Township 24-S	28-E	Lot Idn	Feet from the 1837'	North/South line SOUTH	Feet from the 340'	East/West line EAST	EDDY EDDY				
		•	¹¹ B	ottom Hole	e Location If D	ifferent From Sur	face						
UL or lot no. Section Township			Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	EDDY				

UL or lot no.	Section 18	Township 24-S	29-E	Lot Idn —	Feet from the 1668'	North/South line SOUTH	Feet from the 240'	Enst/West line EAST	EDDY EDDY
¹² Dedicated Acres 319.60	¹³ Joint on 1	ufil) 14Cc	onsolidation Code	15 Orde	r No.				

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



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

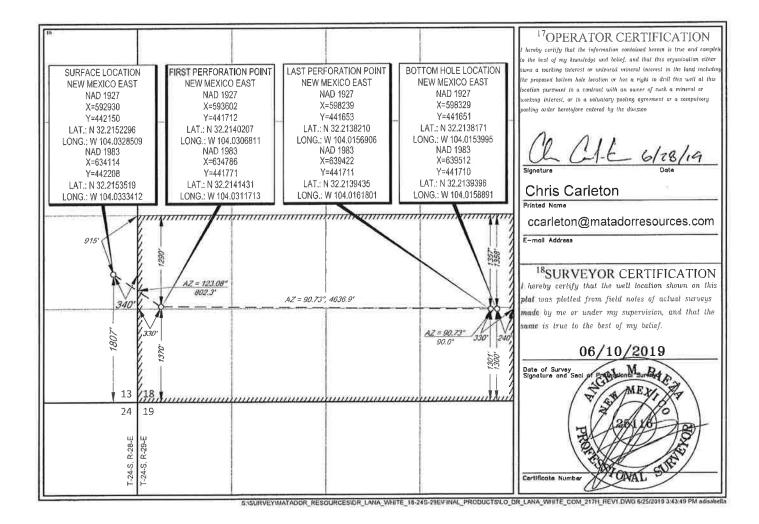
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

00220					ole Sage;Wolfcamp (Gas)							
⁴ Property C	ode				⁵ Property N.	ante	hWe	"Well Number				
				DF	R. LANA WE	HTE COM		8	217H			
OGRID	Ottil 2 / G				8Operator N	ame			Elevation			
22893	7		N	(ATADO)	R PRODUCT	RODUCTION COMPANY 2942'						
					10 Surface Lo	cation						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
I	13	24-S	28-E	1-1	1807'	SOUTH	340'	EAST	EDDY			
		li	¹¹ B	ottom Hol	e Location If D	ifferent From Surf	face	•				
L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
I	18	24-S	29-E	1-1	1300'	SOUTH	240'	EAST	EDDY			
Dedicated Acres	13 Joint or 1	Infill HC	onsolidation Cad	e ¹⁵ Orde	r No.							
319.60												

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 1 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 Numbe) *		³ Pool Code 98220 Purple Sage; Wolfcamp (Gas)								
*Property C	Code				e.W.	⁶ Well Number						
				DF	R. LANA WI	HITE COM		203Н				
				⁸ Operator N	ame			Elevation				
228937 MATADOR PRODUCTION COMPANY						2	2942'					
			11-11-1		¹⁰ Surface Lo	cation						
UL or lot no.	Section	Township	Range Lot ldn Feet fro		Feet from the	North/South line	Feet from the	East/West line	County			
I	13	24-S	28-E	-	1837'	SOUTH	310'	EAST	EDDY			
N.			11 _B	ottom Hol	le Location If D	ifferent From Sur	face					
IL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
I	18	24-S	29-E	-	2150'	.50' SOUTH 240'		EAST	EDDY			
Dedicated Acres	13 Jaint or	Infill 14Co	usolidation Cod	e ¹⁵ Orde	n' No.							
319.60	1											

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

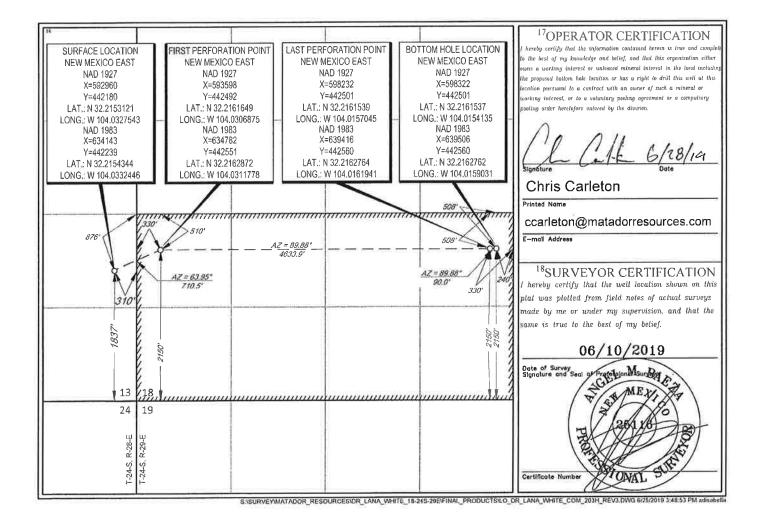
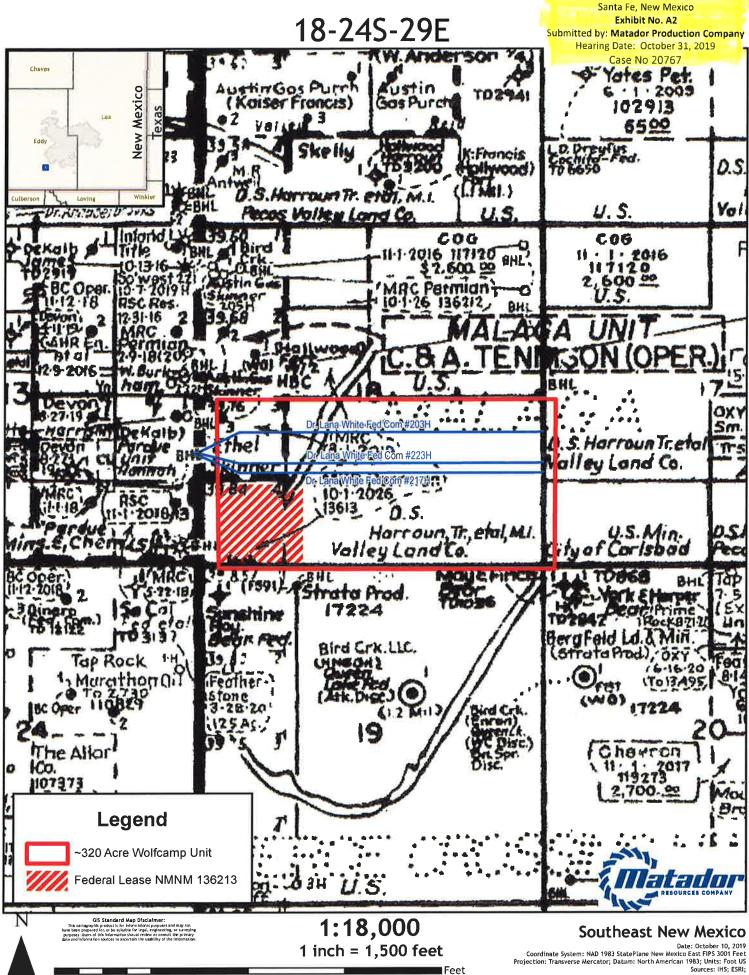


EXHIBIT A-2



750

1,500

3,000

4,500

6,000

BEFORE THE OIL CONSERVATION DIVISION

EXHIBIT A-3

Summary of Interests

MRC Permian Company:		69.805%
Voluntary Joinder:		29.158%
Compulsory Pool:		1.037%
Interest Owner:	Description:	Interest:
Christy B. Motycka, as her separate property	Unleased Mineral Interest Owner	0.1555%
Julie Ellen Barnes, as her separate property	Unleased Mineral Interest Owner	0.1555%
Steven C. Barnes, as his separate property	Unleased Mineral Interest Owner	0.1555%
V. Elaine Barnes, as her separate property	Unleased Mineral Interest Owner	0.1555%
Ricky D. Raindl, as his separate property	Unleased Mineral Interest Owner	0.1296%
Debra K. Primera, as her separate property	Unleased Mineral Interest Owner	0.1296%
Taylor Barr Molitierno	Unleased Mineral Interest Owner	0.0194%
Zachariah J. Reid, as his separate property	Unleased Mineral Interest Owner	0.0194%
Craig W. Barr, as his separate property	Unleased Mineral Interest Owner	0.0194%
Thomas R. Barr, as his separate property	Unleased Mineral Interest Owner	0.0194%
TTCZ Properties, LLC c/o Wells Fargo Bank, N.A.	Unleased Mineral Interest Owner	0.0778%



BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Matador

Overriding Royalty Interest Owners

- Randall S. Cate
- Cogent Energy, Inc., Profit Sharing Plan

EXHIBIT A-4

MRC Permian Company
One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240
Voice 972,371,5430 • Fax 214.866.4930 ccarleton@matadorresources.com

Chris Carleton Senior Landman

April 10, 2019

VIA CERTIFIED RETURN RECEIPT MAIL

Taylor L. Barr, as his separate property P.O. Box 78694 Charlotte, NC 28271

Dr. Lana White Com #203H, #204H, #217H, #223H & #224H the ("Wells") Participation Proposal Section 18, Township 24 South, Range 29 East Eddy County, New Mexico

Dear Sir/Madam:

MRC Permian Company ("MRC") proposes the drilling of the following Matador Production Company's Wells, located in Section 18, Township 24 South, Range 29 East, Eddy County, New Mexico, to the Wolfcamp formation. Accordingly, enclosed are the AFE's dated on February 19, 2019 for the following:

In connection with the above, please note the following:

- Dr. Lana White Com #203H: to be drilled from SHL in the NE/4SE/4 of Section 13-24S-28E to a BHL in the NE/4SE/4 of Section 18-24S-29E, The proposed well will be drilled to an approximate Total Vertical Depth ('TVD') of 9,750' subsurface in the Wolfcamp Formation. The proposed well will have a Measured Depth ('MD') of approximately 14,700'.
- Dr. Lana White Com #204H: to be drilled from SHL in the SE/4SE/4 of Section 13-24S-28E to a BHL in the SE/4SE/4 of Section 18-24S-29E. The proposed well will be drilled to an approximate TVD of 9,750' subsurface in the Wolfcamp Formation. The proposed well will have a MD of approximately 14,700'.
- Dr. Lana White Com #217H: to be drilled from SHL in the NE/4SE/4 of Section 13-24S-28E to a BHL in the NE/4SE/4 of Section 18-24S-29E. The proposed well will be drilled to an approximate TVD of 9,950' subsurface in the Wolfcamp Formation. The proposed well will have a MD of approximately 14,900'.
- Dr. Lana White Com #223H: to be drilled from SHL in the NE/4SE/4 of Section 13-24S-28E to a BHL in the NE/4SE/4 of Section 18-24S-29E. The proposed well will be drilled to an approximate TVD of 10,900' subsurface in the Wolfcamp Formation. The proposed well will have MD of approximately 15,600'.

Hearing Date: October 31, 2019 Case No 20767

• •Dr. Lana White Com #224H: to be drilled from SHL in the SE/4SE/4 of Section 13-24S-28E to a BHL in the SE/4SE/4 of Section 18-24S-29E. The proposed well will be drilled to an approximate TVD of 10,800' subsurface in the Wolfcamp Formation. The proposed well will have a MD of approximately 15,600'.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

Taylor L. Bart, as his separate property will own an approximate 0.00019438 working interest in the Well, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Wells in the space provided below, sign and return one (1) copy of this letter to the undersigned.

As an alternative to participation in the well Matador is interested in leasing your mineral interest, subject to title verification, for \$3,000/acre, 1/5 royalty, and a 3 year term on the lease form enclosed. Should you elect to lease your minerals, please sign the enclosed lease, in the presence of a notary public, and return it to my attention, at the address listed above.

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for its proportionate share of all costs incurred.

Thank you for your consideration of this proposal. Please contact me if you have any questions.

Sincerely,

MRC PERMIAN COMPANY

hris Carleton

Taylor L. Barr, as his se	eparate property nereby elects to:	Here
Not to participate	te in the Dr. Lana White Com #203H	
Participate in the estimated amount	e Dr. Lana White Com #203H for its Proportionate share of costs in the nt of \$1,441.00	
Not to participate	te in the Dr. Lana White Com #204H	
Participate in the estimated amount	e Dr. Lana White Com #204H for its Proportionate share of costs in the at of \$1,441.00	
Not to participate	te in the Dr. Lana White Com #217H	
Participate in the estimated amount	e Dr. Lana White Com #217H for its Proportionate share of costs in the of \$1,442.23	
Not to participate	te in the Dr. Lana White Com #223H	
Participate in the estimated amount	e Dr. Lana White Com #223H for its Proportionate share of costs in the nt of \$1,546.01	
Not to participate	te in the Dr. Lana White Com #224H	
Participate in the estimated amount	e Dr. Lana White Com #224H for its Proportionate share of costs in the at of \$1,546.01	
Taylor L. Barr, as his se	separate property	
Ву:		
Title:		
Date:		

Contact Number: ___

MATADOR PRODUCTION COMPANY

ONE LINCOLN CENTRE - 5400 LBJ FREEWAY - SUITE 1500 - DALLAS, TEXAS 75240
Phone (972) 371-5200 - Fax (972) 371-5201
ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	February 19, 2019			AFE NO.:		
WELL NAME:	Dr Lana White Com	223H		FIELD:	-	Purple Sage
	Section 18-24S-29E			MD/TVD:	-	15600'/10900'
LOCATION:				LATERAL LENGTH:		about 4500'
COUNTY/STATE:	Eddy, NM			LATERAL CLINGTH.		about 1000
MRC WI:						
GEOLOGIC TARGET:	Wolfcamp		111.00			
REMARKS:	Drill and complete a	1 mile horizontal Wolfcan	np with 22 stages			
			COMPLETION	PRODUCTION		TOTAL
		DRILLING COSTS	COMPLETION	COSTS	FACILITY COSTS	COSTS
INTANGIBLE Land / Legal / Regulatory	COSIS	\$ 40,000	\$	\$	5 - 5	40,000
Location, Surveys & Dama	aes	108,000	13,000	4,000	15,000	140,000
Drilling	•	704,000				704,000
Cementing & Float Equip		200,000				200,000 6,500
Logging / Formation Evalu	ation	-	6,500			25,000
Mud Logging		25,000 63,350				63,350
Mud Circulation System Mud & Chemicals		106,000	37,000			143,000
Mud / Wastewater Disposa	ı	147,500	-			147,500
Freight / Transportation		25,000	7,000		2,000	34,000
Rig Supervision / Engineer	ring	117,600	57,800	3,600	10,800	189,800
Drill Bits		88,400				122,100
Fuel & Power		122.100 40,000	357,000			397,000
Water Drig & Completion Overhe	ad	9,500	23,000		· ·	32,500
Plugging & Abandonment			/			
Directional Drilling, Survey		219,000				219,000
Completion Unit, Swab, C1	ru	39).	100,000	10,000		110,000
Perforating, Wireline, Slick			148,500			67,800
High Pressure Pump Truck Stimulation	•		2,013,000			2,013,000
Stimulation Flowback & Di	sp		208,000	100,000		308,000
Insurance	•	26,640				26,640
Labor		154,500	59,300	30,000	5,000	248,800
Rental - Surface Equipmen		74,160	274,590 42,000	40,000	10,000	398,750 113,000
Rental - Downhole Equipm Rental - Living Quarters	ient	71,000	15,160	1,000	5,000	82,560
Contingency		240,315	141,665	8,860		390,840
Maxcom		20,963	7.00			20,963
	TOTAL INTANGIBLES	> 2,664,428	3,571,315	197,460	47,800	5,460,040
		DRILLING	COMPLETION	PRODUCTION		TOTAL
TANGIBLE (COSTS	COSTS	COSTS	COSTS	FACILITY COSTS	COSTS 31,488
Surface Casing		\$ 31,488 92,325	•——	•		92,325
Intermediate Casing Drilling Liner		369,165				369,165
Production Casing		298,429				298,429
Production Liner		180				60,000
Tubing		20,000		60,000 25,000		113,000
Wellhead		88,000	61,800	10,000		71,800
Packers, Liner Hangers Tanks	34	-	0.7,000		45,000	45,000
Production Vessels		, , ,		57,000	36,625	93,625
Flow Lines				50,000	•	50,000
Rod string						20,000
Artificial Lift Equipment				20,000	10,000	10,000
Compressor Instaliation Costs				20,000	48,000	68,000
Surface Pumps				5,000	10,000	15,000
Non-controllable Surface				•	-	
Non-controllable Downhol	e					
Downhole Pumps	-11-4:	-		12,500	27,500	40,000
Measurement & Meter Inst Gas Conditioning / Dehydi				12,000		
Interconnecting Facility Pi					40,000	40,000
Gathering / Bulk Lines	. •					
Valves, Dumps, Controller				4,000	4,000 30,000	30,000
Tank / Facility Containmen	nt				6,250	6,250
Flare Stack Electrical / Grounding					2,500	2,500
Communications / SCADA					6,250	6,250
Instrumentation / Safety				10,000	12,500	22,500
	TOTAL TANGIBLES		61,800	273,500	278,625	1,493,332
	TOTAL COSTS	> 3,543,834	3,633,115	470,960	326,425	7,953,372
CDARED BY MATARCE	DECONICTION COMP	NV.				
REPARED BY MATADOR	PRODUCTION COMPA	447;				
Drilling Engine	er. James Long	Team Lead - WTX	NM WIF			
Completions Engine			WTE			
Production Engine	er: Ben Pelerson					
ATADOR RESOURCES C	OMPANY APPROVAL:					
					VD Dellin	
Executive VP, COO/CF	FO	VP - Res Enginee	ning		VP - Drillin	BG BG
	-	F				23
Executive VP, Leg	galGA	Exec Dir - Explora	NLF			
			HE			
Preside	MVH MVH					
	10.417					
ON OPERATING PARTNE	R APPROVAL:					
						A)
Company Nam	ne:		Working Interest (%):		Tax II	
Atria II	21/2		Date:			
Signed I	лу.		58.6			
Tit			Approval:	Yes	<u></u>	No (mark one)
en en englador, blakerign a en la esta antre		e manuferpoor time outside	the first product of the B.P.C. which has developed the fill of \$1.	of after the soft Tandorff acting thing to come	Short Min or yar same or	states Const. I have feet a reference At the
en en regulatory brokerege and met besid testis tendre and or or or organization to time Contrator by His	the literary the applicable of all conducting spro	can refresh man a speciment said	od sum well, we do be the Autor policensists by as	A new a business of the first countries at the countries of the	erene domini savori anni si za ci sas bre si baro	

MATADOR PRODUCTION COMPANY

ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 75240

Phone (972) 371-5200 • Fax (972) 371-5201

		ESTIMATE OF COSTS ANI	D AUTHORIZATION FO			
DATE:	February 19, 2019 Dr. Lana White Com 21	711		AFE NO.: FIELD:		Purple Sage
WELL NAME: LOCATION:	Section 18-24S-29E	7.11		MD/TVD:	::	14900'/9950'
COUNTY/STATE:	Eddy, NM			LATERAL LENGTH:	S-	about 4500'
MRC WI:) =	
GEOLOGIC TARGET:	Wolfcamp					
REMARKS:	Drill and complete a 1 m	ile horizontal Wolfcamp	with 22 stages			
		DDU LANC	COMPLETION	PROPULCTION	FACILITY	TOTAL
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION	PRODUCTION COSTS	FACILITY COSTS	TOTAL
Land / Legal / Regulatory	\$_	40,300 \$		\$	\$	\$ 40,300
Location, Surveys & Dama Drilling	iges	88,000 577,750	13,000	4,000	15,000	120,000
Cementing & Float Equip	10 0	169,000				169,000
Logging / Formation Evalu Mud Logging	ation	13,500	6,500			6,500 13,500
Mud Circulation System	2	52,300			:- 	52,300
Mud & Chemicals		97,350	37,000			134,350
Mud / Wastewater Disposa Freight / Transportation		150,000	7,000		2,000	150,000
Rig Supervision / Enginee	ring	112,700	57,800	3,600	10.800	184,900
Drill Bits Fuel & Power	-	63,675 96,663			-	63,675 96,663
Water	3.5	40,000	357,000			397,000
Orlg & Completion Overho	ud	9,500	23,000			32,500
Plugging & Abandonment Directional Drilling, Survey	ys -	186,000			A	186,000
Completion Unit, Swab, C		1.	100,000	10,000		110,000
Perforating, Wireline, Slick High Pressure Pump Truck			148,500	- 31		148,500 67,800
Stimulation	W	77	2,013,000			2,013,000
Stimulation Flowback & D	isp	26,640	208,000	100,000		308,000
Insurance Labor	/=	141,000	59,300	30,000	5,000	26,640 235,300
Rental - Surface Equipmen		60,135	274,590	40,000	10,000	384,725
Rental - Downhole Equipm Rental - Living Quarters	nent	61,000 51,890	42,000 15,160	1,000	5,000	103,000
Contingency		82,216	141,665	8,860		232,741
Maxcom	=	18,275				18,275
	TOTAL INTANGIBLES >	2,155,894	3,571,315	197,460	47,800	5,972,469
TANGIBLE (COSTS	COSYS	COSTS	COSTS	COSYS
Surface Casing Intermediate Casing	\$_	31,488 \$ 92,325		5	\$	\$ 31,468 92,325
Drilling Liner	-	340,320				340,320
Production Casing		289,274				289,274
Production Liner Tubing	_			59,700		59,700
Wellhead	1	80,000		25,000		105,000
Packers, Liner Hangers Tanks	=		61,800	10,000	45,000	71,800 45,000
Production Vessels				57,000	36,625	93,625
Flow Lines	1			50.000		50,000
Rod string Artificial Lift Equipment	=	-		20,000		20,000
Compressor	1				10,000	10,000
Installation Costs Surface Pumps	-	197		20,000	48,000 10,000	68,000 15,000
Non-controllable Surface					-	10,000
Non-controllable Downhole Downhole Pumps	_	(+6				
Measurement & Meter Inst.	allation			12,500	27,500	40,000
Gas Conditioning / Dehydr				· ·	40,000	
Interconnecting Facility Pip Gathering / Bulk Lines	ang _				40,000	40,000
Valves, Dumps, Controllers				4,000	4,000	8,000
Tank / Facility Containmen Flare Stack					30,000	30,000 6,250
Electrical / Grounding	-				2,500	2,500
Communications / SCADA Instrumentation / Safety	-			10,000	6,250 12,500	6,250 22,500
	TOTAL TANGIBLES >	833,407	61,800	273,200	278,625	1,447,032
	TOTAL COSTS >	2,989,300	3,633,115	470,660	326,425	7,419,500
PARED BY MATADOR I	PRODUCTION COMPANY:		400,000			2712240000
arring of minipion	HODOGHON GOME PARTS					
Drilling Enginee		Team Lead - WTX/NM	WTE			
Completions Enginee			WTE			
Production Enginee	r; Ben Pelerson					
	1000-100-00-00-1000-1					
TADOR RESOURCES CO	MPANY APPROVAL:					
Executive VP, COO/CF0)	VP - Res Engineering			VP - Drillir	10
	DEL	71.00	BMR		VI 011111	BG
Executive VP, Lega	al	Exec Dir - Exploration				
Draeidar	CA		NLF			
Presider	Othi					
OPERATING PARTNER	R APPROVAL:					
		JAF	orking Interest (%):		Tov II):
Company Name		W	orking interest (%):		Tax II);
N OPERATING PARTNER Company Name Signed by			orking Interest (%):		Tax II);

The costs on this ATE are estimates only and may not be construct as a company specific sem only intervient of the project. Taking installing in epocyago under the ATE may be unlayed upon in a year after the wind than been committed. In executing this ATE, the area of the applicable produced in the

MATADOR PRODUCTION COMPANY

ONE LINCOLN CENTRE - 5400 LBJ FREEWAY - SUITE 1500 - DALLAS, TEXAS 75240 Phone (972) 371-5200 - Fax (972) 371-5201

			AND AUTHORIZATION F	OIT EM EMBITORE		
DATE:	February 19, 2019			AFE NO.:		
WELL NAME:	Dr. Lana White Com 2	203H		FIELD:		Purple Sage
LOCATION:	Section 18-24S-29E			MD/TVD:		14700'/9750'
COUNTY/STATE:	Eddy, NM			LATERAL LENGTH:		about 4500'
MRC WI:	10/-15					
GEOLOGIC TARGET: REMARKS:	Wolfcamp	mile horizontal Wolfca	mn with 22 stance			
REMARKS.	Dilli alid complete a 1	Tille Horizontal World	inp with 22 stages			
1		DRILLING	COMPLETION	PRODUCTION	FACILITY	TOTAL
INTANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory		\$ 40,300	\$	\$	\$	\$ 40,300
Location, Surveys & Damage Drilling	15	88,000 577,750	13,000	4,000	15,000	120,000 577,750
Cementing & Float Equip		169,000				169,000
Logging / Formation Evaluat	ion		6,500			6,500
Mud Logging		13,500				13,500
Mud Circulation System Mud & Chemicals		52,300 97,350	37,000			52,300 134,350
Mud / Wastewater Disposal		150,000	07,000			150,000
Freight / Transportation		18,000	7,000		2,000	27,000
Rig Supervision / Engineerin	9	112,700	57,800	3,600	10,800	184,900
Drill Bits Fuel & Power		63,675 95,663				63,675 96,663
Water		40,000	357,000			397,000
Drig & Completion Overhead		9,500	23,008			32,500
Plugging & Abandonment Directional Drilling, Surveys		186,000				186,000
Completion Unit, Swab, CTU		100,000	100,000	10,000		110,000
Perforating, Wireline, Slicklin	(0)	7.97	148,500			148,500
High Pressure Pump Truck			67,800			67,800
Stimulation Stimulation Flowback & Disp		- 4	2,013,000	100,000		2,013,000
Insurance		28,640	(00,000)	100,000		26,640
Labor		141,000	59,300	30,000	5,000	235,300
Rental - Surface Equipment	51	60,135	274,590	40,000	10,000	384,725
Rental - Downhole Equipmen Rental - Living Quarters	IU)	61,000 51,890	42,000 15,160	1,000	5.000	103,000 73,050
Contingency		82,216	141,665	8,860	3,000	232,741
Maxcom		18,275			-	18,275
					-	-
	TOTAL INTANGIBLES		3,571,315	197,460	47,800	5,972,469
TANGIBLE CO Surface Casing	STS	COSTS 31,488	COSTS	COSTS	COSTS	COSTS \$ 31,488
Intermediate Casing		92,325		*	*	92,325
Drilling Liner		340,320				340,320
Production Casing		289,274				289,274
Production Liner Tubing				58,500		58,500
Wellhead		80,000		25,000		105,000
Packers, Liner Hangers			61,800	10,000		71,800
				10,000		
Tanks					45,000	45,000
Production Vessels		\equiv		57,000	45,000 36,625	93,625
		= :				93,625 50,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment				57,000	36,625	93,625 50,000 20,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor				57,000 50,000 20,000	36,625	93,625 50,000 20,000 10,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment		, , , , ,		57,000 50,000 	10,000 48,000	93,625 50,000 20,000 10,000 68,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs				57,000 50,000 20,000	36,625	93,625 50,000 20,000 10,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole				57,000 50,000 	10,000 48,000 10,000	93,625 50,000 20,000 10,000 68,000 15,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps	ution.			\$7,000 \$0,000 20,000 20,000 5,000	36,625 10,000 40,000 10,000	93,625 50,000 20,000 10,000 68,000 15,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole				57,000 50,000 	10,000 48,000 10,000	93,625 50,000 20,000 10,000 68,000 15,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Debydrati Interconnecting Facility Pipin Interconnecting Facility Pipin	on			\$7,000 \$0,000 20,000 20,000 5,000	36,625 10,000 40,000 10,000	93,625 50,000 20,000 10,000 68,000 15,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines	on			57,000 \$0,000 20,000 20,000 5,000	10,000 40,000 10,000 27,500 40,000	93,625 50,000 20,000 10,000 69,000 15,000 40,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers	on			\$7,000 \$0,000 20,000 20,000 5,000	36,625 10,000 48,000 10,000 27,500 40,000	93,625 50,000 20,000 10,000 69,000 15,000 40,000 8,000
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack	on			57,000 \$0,000 20,000 20,000 5,000	36,625 10,000 40,000 10,000 27,500 40,000 4,000 50,000 6,250	93,625 50,000 20,000 10,000 69,000 15,000 40,000 40,000 8,000 30,000 6,280
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Debydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding	on			57,000 \$0,000 20,000 20,000 5,000	10,000 48,000 10,000 27,500 40,000 4,000 4,000 6,250 2,500	93,625 50,000 20,000 10,000 15,000 40,000 40,000 8,000 30,000 6,250 2,550
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA	on			\$7,000 \$0,000 20,000 20,000 5,000 12,500	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 6,250 6,250	93,625 50,000 20,000 10,000 68,000 15,000 40,000 40,000 30,000 6,250 2,550 6,250
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Debydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding	g g		Et BON	57,000 \$0,000 20,000 20,000 5,000 12,500 4,000	10,000 40,000 10,000 27,500 40,000 40,000 4,000 50,000 6,250 2,500 6,250 12,500	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 6,250
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA	g TOTAL TANGIBLES	833,407	61,800 3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 15,000 15,000 40,000 8,000 30,000 6,280 6,280 6,280 1,445,832
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety	TOTAL TANGIBLES >	833,407 2,989,300	61,800 3,633,115	57,000 \$0,000 20,000 20,000 5,000 12,500 4,000	10,000 40,000 10,000 27,500 40,000 40,000 4,000 50,000 6,250 2,500 6,250 12,500	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 6,250
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Install Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety	TOTAL TANGIBLES >	833,407 2,989,300		\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Debydrasi Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN	833,407 2,989,300 4Y:	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety EPARED BY MATADOR PR	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN	833,407 2,989,300	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Drilling Engineer: Completions Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys	833,407 2,989,300 4Y:	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety EPARED BY MATADOR PR	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN	833,407 2,989,300 4Y:	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Drilling Engineer: Completions Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys	833,407 2,989,300 4Y:	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Production Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Glake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 4Y:	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 6,250 6,250 6,250 1,445,632
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Glake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 NY: Team Lead - WTX/	3,633,115	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,550 6,250 2,550 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Production Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Glake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 4Y:	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 4,000 6,250 2,500 12,500 278,625	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SaCADA Instrumentation / Safety Production Engineer: Completions Engineer: Production Engineer: Production Engineer: Production Engineer: Productive VP, COO/CFO	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Glake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,550 6,250 2,550 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Glake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 NY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety EPARED BY MATADOR PR Drilling Engineer: Completions Engineer: Production Engineer: TADOR RESOURCES COM Executive VP, COO/CFO Executive VP, Legal	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys Ben Peterson IPANY APPROVAL: DEL CA	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SaCADA Instrumentation / Safety Production Engineer: Completions Engineer: Production Engineer: Production Engineer: Production Engineer: Productive VP, COO/CFO	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys Ben Peterson	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrati Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety EPARED BY MATADOR PR Drilling Engineer: Completions Engineer: Production Engineer: TADOR RESOURCES COM Executive VP, COO/CFO Executive VP, Legal	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys Ben Peterson IPANY APPROVAL: DEL CA	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrast Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / Safety EPARED BY MATADOR PR Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: Production Engineer: Productive VP, COO/CFO Executive VP, COO/CFO Executive VP, Legal President	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys Ben Pelerson IPANY APPROVAL: DEL CA	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 20,000 5,000 12,500 4,000	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
Production Vessels Flow Lines Rod string Artificial Lift Equipment Compressor Installation Costs Surface Pumps Non-controllable Surface Non-controllable Surface Non-controllable Downhole Downhole Pumps Measurement & Meter Installa Gas Conditioning / Dehydrast Interconnecting Facility Pipin Gathering / Bulk Lines Valves, Dumps, Controllers Tank / Facility Containment Flare Stack Electrical / Grounding Communications / Safety EPARED BY MATADOR PR Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: Production Engineer: Productive VP, COO/CFO Executive VP, COO/CFO Executive VP, Legal President	TOTAL TANGIBLES > TOTAL COSTS > ODUCTION COMPAN Blake Hermes Cliff Humphreys Ben Pelerson IPANY APPROVAL: DEL CA	833,407 2,989,300 VY: Team Lead - WTX/	3,633,115 NM	\$7,000 \$0,000 20,000 \$,000 \$,000 12,500 4,000 10,000 272,000 459,460	36,625 10,000 48,000 10,000 27,500 40,000 6,250 2,500 6,250 12,500 278,625 326,425	93,625 50,000 20,000 10,000 68,000 15,000 40,000 8,000 30,000 6,250 2,500 6,250 22,500 1,445,832 7,418,300
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STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF MATADOR PRODUCTION COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20767

AFFIDAVIT OF CLARK COLLIER

Clark Collier, of lawful age and being first duly sworn, declares as follows:

1. My name is Clark Collier. I work for MRC Energy Company, an affiliate of

Matador Production Company ("Matador"), as a geologist.

2. I have previously testified before the New Mexico Oil Conservation Division as an

expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted

by the Division and made a matter of record.

3. I am familiar with the application filed by Matador in this case, and I have

conducted a geologic study of the lands in the subject area.

4. The target interval for all three of the proposed wells is the Wolfcamp formation.

5. Matador Exhibit B-1 is a locator map. The horizontal spacing unit for the

proposed wells is identified by the red box with yellow shading.

6. Matador Exhibit B-2 is a subsea structure map that I prepared for the top of the

Wolfcamp formation. The contour interval is 50 feet. The structure map shows the Wolfcamp

formation gently dipping to the east. The structure appears consistent across the proposed wellbore

paths. I do not observe any faulting, pinchouts, or other geologic impediments to horizontal

drilling.

- 7. The wells used to create a structural cross-section are also marked on Matador Exhibit B-2.
- 8. **Matador Exhibit B-3** shows a line of cross section from A to A' on the same structure map reflected in **Exhibit B-2**.
- 9. **Matador Exhibit B4** is a structural cross-section that I prepared displaying openhole logs run over the top of the Wolfcamp formation from the three representative wells denoted from A to A'. For each well in the cross-section, the following logs are included: gamma ray, resistivity, and porosity. The proposed target interval for all three of the proposed wells is labeled on the right side of the exhibit. The logs in the cross-section demonstrate that the target interval, within the Wolfcamp formation, is consistent in thickness, across the entirety of the proposed spacing unit.
- 10. Each of Matador's three proposed wells will comply with the 330-foot setback requirement of the Special Rules for the Purple Sage; Wolfcamp (Gas) Pool.
- 11. Based on my geologic study of the area, I have not identified any geologic impediments to drilling horizontal wells in the area.
- 12. In my opinion, each quarter-quarter section will be productive and contribute moreor-less equally to production from the horizontal spacing unit.
- 13. In my opinion, horizontal drilling will be the most efficient method to develop this acreage, to prevent the drilling of unnecessary wells, and to result in the greatest ultimate recovery. Approving Matador's application will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.
- 14. **Matador Exhibits B-1 through B-4** were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

CLARK COLLIER

STATE OF TEXAS

COUNTY OF Dallas

SUBSCRIBED and SWORN to before me this 28 day of October 2019 by Clark Collier.

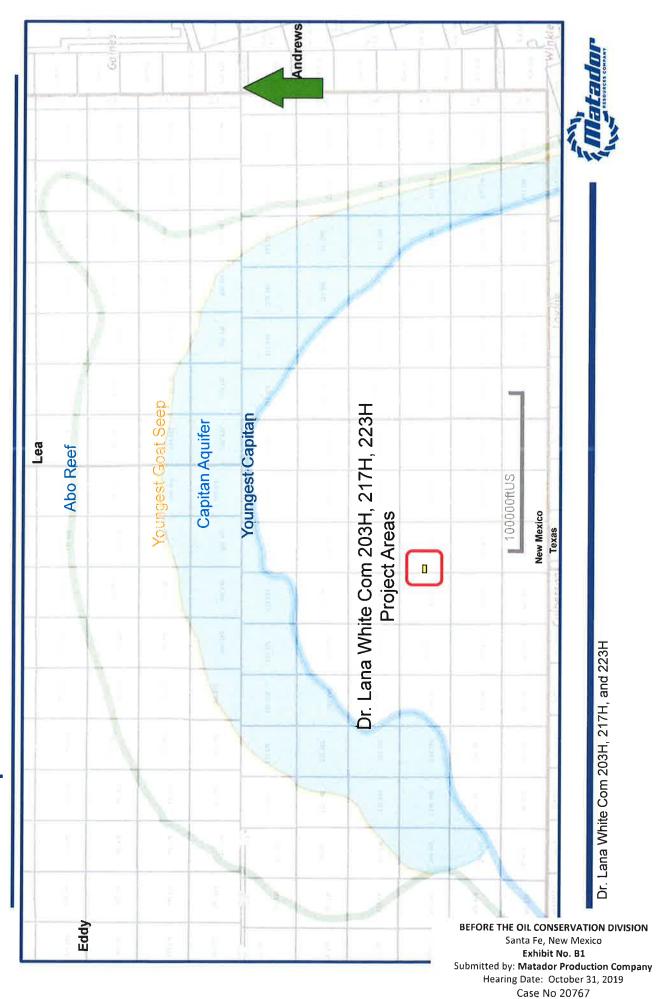
ava Lynn Momoe
NOTARY PUBLIC

My Commission Expires:

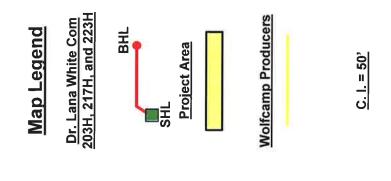
May 22, 2020

AVA LYNN MONROE
Notary Public, State of Texas
Comm. Expires 05-22-2020
Notary 1D 2160810

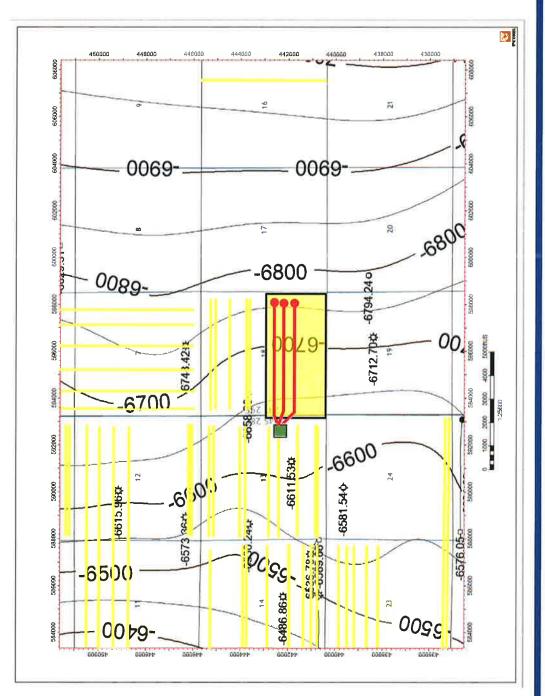
Purple Sage; Wolfcamp (Gas) (Pool Code 98220) Locator Map



Purple Sage; Wolfcamp (Gas) (Pool Code 98220) Structure Map (Top Wolfcamp Subsea)







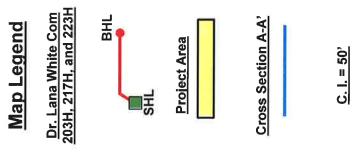
Dr. Lana White Com 203H, 217H, and 223H

BEFORE THE OIL CONSERVATION DIVISION

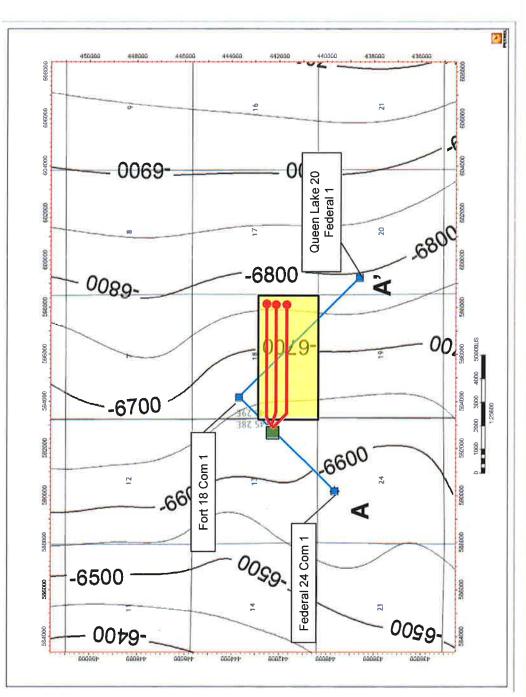
Santa Fe, New Mexico
Exhibit No. B2

Submitted by: Matador Production Company
Hearing Date: October 31, 2019
Case No 20767

Structure Map (Top Wolfcamp Subsea) with Cross Section A-A' Purple Sage; Wolfcamp (Gas) (Pool Code 98220)



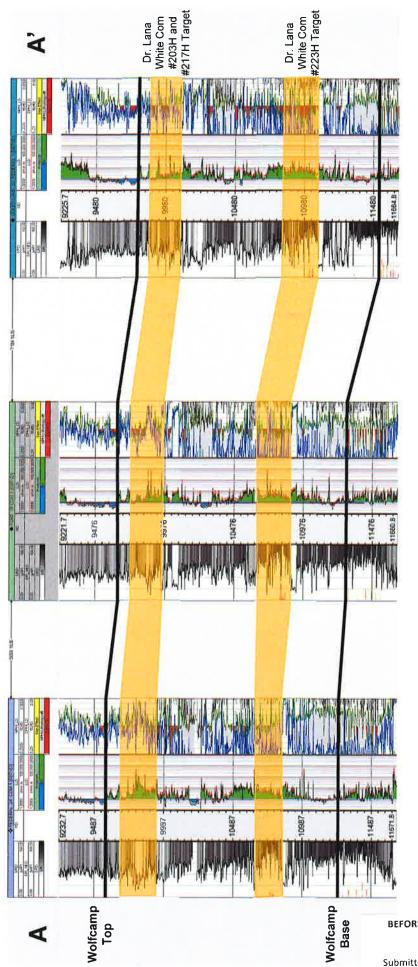




Dr. Lana White Com 203H, 217H, and 223H

Santa Fe, New Mexico
Exhibit No. B3

Purple Sage; Wolfcamp (Gas) (Pool Code 98220) Structural Cross Section A - A'





Dr. Lana White Com 203H, 217H, and 223H

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. B4 Submitted by: Matador Production Company Hearing Date: October 31, 2019

Case No 20767

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

APPLICATION OF MATADOR PRODUCTION COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 20767

AFFIDAVIT

STATE OF NEW MEXICO)	
)	SS
COUNTY OF SANTA FE)	

Kaitlyn A. Luck, attorney in fact and authorized representative of Matador Production Company, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application has been provided under the notice letters and proof of receipts attached hereto.

Kaitlyn A. Luck

SUBSCRIBED AND SWORN to before me this 30th day of October, 2019 by Kaitlyn A. Luck.

My Commission Expires:

Jamay 28, 2023



Notary Public

Case No 20767



Adam G. Rankin Phone (505) 988-4421 Fax (505) 983-6043 agrankin@hollandhart.com

October 10, 2019

<u>VIA CERTIFIED MAIL</u> CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Matador Production Company for compulsory pooling, Eddy

County, New Mexico.

Dr. Lana White Com #203H, #217H, #223H Wells

Ladies & Gentlemen:

This letter is to advise you that Matador Production Company has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on October 31, 2019 and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Chris Carleton at (972) 371-5430 or ccarleton@matadorresources.com.

Sincerely,

Adam G. Rankin

ATTORNEY FOR MATADOR PRODUCTION

COMPANY

Postal Delivery Report MRC - Dr. Lana White Com 203H, 217H, 223H

Case No. 20767

Delivered Signature Received Delivered Signature Received Delivered Signature Received Delivered Signature Received Jelivered Signature Received Delivered Signature Received Delivered Signature Received Delivered Signature Received **Delivered Signature Received** Delivered Signature Received **Delivered Signature Received** In-Transit In-Transit n-Transit In-Transit n-Transit Status TTCZ Properties LLC c/o Wells Fargo Bank N A attn: Doug Buchanan 500 W Texas 9214890194038392444972 (Cogent Energy Inc Profit Sharing Plan PO BOX 8329 Horseshoe Bay TX 78657 9214890194038392444910 (Taylor Barr Molitierno PO BOX 78694 Charlotte NC 28271 9214890194038392444941 (Thomas R Barr 4117 Bridgewood Ln Charlotte NC 28226 9214890194038392444903 (Debra K Primera PO BOX 28504 Austin TX 78755-8504 9214890194038392444965 (Randall S Cate PO BOX 8329 Horseshoe Bay TX 78657 9214890194038392445009 (Robert Mitchell Raindl PO BOX 853 Tahoka TX 79373 9214890194038392444897 (Ricky D Raindl PO BOX 142454 Irving TX 75014-2454 9214890194038392444996 (Thomas R Barr PO BOX 39225 Charlotte NC 28278 9214890194038392444934 (Craig W Barr 1031 NW 43rd Ave Camas WA 98607 9214890194038392444859 (Christy B Motycka PO BOX 505 Midland TX 79702 9214890194038392444866 (Julie Ellen Barnes PO BOX 505 Midland TX 79702 9214890194038392444989 (Zachariah J Reid PO BOX 505 Midland TX 79702 9214890194038392444873 (Steven C Barnes PO BOX 505 Midland TX 79702 9214890194038392444880 (V Elaine Barnes PO BOX 505 Midland TX 79702 9214890194038392444927 (Zachariah J Reid PO BOX 899 Spring TX 77383 9214890194038392444958 (Ave Suite 760 Midland TX 79702 Recipient **Tracking Number**





Shipment Confirmation Acceptance Notice

Mailer Action

Note to Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

MRC - Dr. Lana White Com 203 H, 217H, 223H Case No. 20767

CM# 83379, 0001

Shipment Date: 10/10/2019

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

ZIP+4® _87501 State: NM

Type of Mail	Volume
Priority Mail Express®*	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	16
Total	16

^{*}Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

Note to RSS Clerk:

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Confirm the volume count message by selecting Yes or No Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



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Name and Address of Sender Holland & Hart LLP 110 N Guadalupe St # 1 Santa Fe NM 87501	Check type of mail or service Adult Signature Required Priority Mail Express Adult Signature Restricted Delivery Registered Mail Certified Mail Contlified Mail Restricted Delivery Signature Confirmation Insured Mail Priority Mail Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery	(if i cer add	tificate of ditional co	an interna mailing or pies of thi	for									
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PS Form **3877**, April 2015 PSN 7530-02-000-9098

Total Number of Pieces
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(Page 1 of 2)

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PS Form 3877, April 2015 (Page 2 of 2) PSN 7530-02-000-9098

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Robert Mitchell Raindl PG BOX 853 Tanoka TX 79373

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AFFIDAVIT OF PUBLICATION

Ad No. 0001294229

HOLLAND & HART PO BOX 2208

SANTA FE NM 87504

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:

08/20/19

Legal Clerk

Subscribed and sworn before me this 20th of August 2019.

> WI, County of Brown NOTARY PUBLIC

My Commission Expires

Ad#:0001294229 # of Affidavits:0.00

NANCY HEYRMAN PO: 2. Dr. Lana White Com 203H Notary Public State of Wisconsin

STATE OF NEW MEXICO **ENERGY, MINERALS AND NATURAL** RESÓURCES DEPARTMENT **OIL CONSERVATION DIVISION** SANTA FE, NEW MEXICO

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on September 5, 2019, in the Oil Conservation Division Hearing Room at 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign lan-guage interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by August 26, 2019. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible form is needed.

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To:All overriding royalty interest owners and pooled parties, including: Robert Mitchell Raindl, his heirs and devisees; Christy B. Motycka, her heirs and devisees; Julie Ellen Barnes, her heirs and devisees; Steven C. Barnes, his heirs and devisees; V. Elaine Barnes, her heirs and devisees; Ricky D. Raindl, his heirs and devisees; Debra K. Primera, her heirs and devisees; Taylor L. Bar his/her heirs and devisees; Zachariah J. Reid, his heirs and devisees; Craig W. Barr, his heir and devisees; Thomas R. Barr, his heirs and devisees.

Case No. 20767: Application of Matador Production Company for compulsory pooling, Ed dy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 320-acre horizontal spacing unit comprised of the S/2 of Section 18, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. The abovereferenced unit will be dedicated to the following proposed initial wells: (1) the Dr. Lana White Com #203H Well , (2) the Dr. Lana White Com #217H Well, and (3) the Dr. Lana White Com #223H Well, to be horizontally drilled from a common surface location in the NE/4 SE/4 (Unit I) of Section 13, Township 24 South, Range 28 East, to bottom hole locations in the NE/4 SE/4 (Unit I) of Section 18, Township 24 South, Range 29 East. The completed

intervals for these well will comply with the 330-foot set all k requirement contained in the Special Rules for the Wolfcamp Purple Sage Gas Pool. Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, as well as actual operating costs and charges for supervision, the designation of applicant as operator, and a 200% charge for risk involved in drilling and completing the wells. Said area is located approximately 3 miles east of Malaga, New Mexico.

August 20, 2019 Legal ad#1294229