Revised March 23, 2017

RECEIVED:	1/2/20	REVIEWER:	TYPE: CTB	APP NO: pDM2000744505

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Geological & Engineering Bureau – 1220 South St. Francis Drive, Santa Fe, NM 87505



1220 300111 31. Hariels Div	re, sama re, NW 67303
	PLICATION CHECKLIST TIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
	SSING AT THE DIVISION LEVEL IN SANTA FE
Applicant: Marathon Oil Permian LLC	OGRID Number: 372098
Well Name: Kyle 34 Federal Com 3H, 5H	API: 30-015-43405; 30-015-43295
Pool: Purple Sage; Wolfcamp (Gas)	Pool Code: 98220
	N REQUIRED TO PROCESS THE TYPE OF APPLICATION TED BELOW
1) TYPE OF APPLICATION: Check those which ap A. Location – Spacing Unit – Simultaneous D NSL NSP (PROJECT AREA)	edication
B. Check one only for [1] or [11] [1] Commingling – Storage – Measureme DHC CTB XPLC P [11] Injection – Disposal – Pressure Increa WFX PMX SWD DIF	C 🗌 OLS 🗍 OLM se – Enhanced Oil Recovery
	FOR OCD ONLY
2) NOTIFICATION REQUIRED TO: Check those whi A. \square Offset operators or lease holders	ch apply. Notice Complete
B. Royalty, overriding royalty owners, rev C. Application requires published notice D. Notification and/or concurrent appro E. Notification and/or concurrent appro	val by SLO Content Complete
 F. ☐ Surface owner G.☒ For all of the above, proof of notificat H.☐ No notice required 	ion or publication is attached, and/or,
3) CERTIFICATION: I hereby certify that the inform administrative approval is accurate and compunderstand that no action will be taken on thi notifications are submitted to the Division.	
Note: Statement must be completed by an inc	lividual with managerial and/or supervisory capacity.
	12/18/2018
Adrian Covarrubias	Date
Print or Type Name	
11/11	713-296-3368 Phone Number
Signature	acovarrubias@marathonoil.com e-mail Address

Submit 1 Copy To Appropriate District Office	State of New Mexico Energy, Minerals and Natural Resources	Form C-103 Revised July 18, 2013
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	energy, witherars and Natural Resources	WELL API NO.
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	Multiple 5. Indicate Type of Lease
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE FEE
<u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		
	CICES AND REPORTS ON WELLS DISALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
	ICATION FOR PERMIT" (FORM C-101) FOR SUCH	Kyle 34 Federal Com
1. Type of Well: Oil Well	Gas Well Other	8. Well Number Multiple
Name of Operator Marathon Oil Permian LLC		9. OGRID Number 372098
3. Address of Operator		10. Pool name or Wildcat
5555 San Felipe St., Houston, TX 7	77056	Multiple
4. Well Location		·
Unit Letter:	feet from the line and _	
Section 34	Township 24S Range 28E 11. Elevation (Show whether DR, RKB, RT, GR, 6	1 (IVII IVI
	11. Dievation (Snow whether Dit, Milb, M1, Oit,	erc.)
4.4		
12. Check	Appropriate Box to Indicate Nature of Notice	ce, Report or Other Data
		JBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK		
TEMPORARILY ABANDON DULL OR ALTER CASING	<u> </u>	
DOWNHOLE COMMINGLE	_	_
CLOSED-LOOP SYSTEM OTHER: Request to	l to commingle ✓ OTHER:	П
13. Describe proposed or comp	pleted operations. (Clearly state all pertinent details,	
of starting any proposed w proposed completion or re	rork). SEE RULE 19.15.7.14 NMAC. For Multiple	Completions: Attach wellbore diagram of
1 1 1	1	coursement and calco. The value of the oil and go
will not be affected with the approv	esting approval to lease commingle of gas and off-lease meal of this commingle request. Please see the attached com	astriement and sales. The value of the oil and gas imingle request. Wells will be accurately measured
with daily measurement at separat	on.	
Wells to be commingled:		
Name Kyle 34 Federal Com 3H	Location API N-34-24S-28E (200' FSL 1670' FWL) 30-015-43405	Pool Purple Sage; Wolfcamp (Gas) (98220)
Kyle 34 Federal Com 5H	P-34-24S-28E (225' FSL 990' FEL) 30-015-43295	Purple Sage; Wolfcamp (Gas) (98220)
Spud Date:	Rig Release Date:	
Lhereby certify that the information	a above is true and complete to the best of my knowle	edge and helief
A A	above is true and complete to the best of my known	eage and benefit.
SIGNATURE	. TITLE Regulatory Professiona	DATE 12/18/2019
Adrian Covarru	bias acovarrubias	@marathonoil.com 713-296-3368
Type or print name For State Use Only	E-mail address:	PHONE:
APPROVED BY: Conditions of Approval (if any):	TITLE	DATE
Conditions of Approval (II any):		

APPLICATION FOR CENTRAL TANK BATTERY, SALES, & STORAGE

Marathon Oil Permian LLC is requesting approval of the Proposal for Lease Commingle of gas and Off-Lease measurement and sales:

Federal Lease NM-102	2911		C	il	G A	\S	
Well Name	Location	API#	Pool; Formation	BOPD	Gravities	MCFPD	BTU
Kyle 34 Federal Com 3H	Sec. 34-T24S-R28E	30-015-43405	Purple Sage: Wolfcamp	194	47.3	459	1293
Kyle 34 Federal Com 5H	Sec. 34-T24S-R28E	30-015-43295	Purple Sage: Wolfcamp	177	46.5	403	1270

Lease map shows the federal lease and well locations in Section 34-T24S-R28E. The facility for each well resides off-lease from the hydrocarbons produced from the wells. Working, royalty, and overriding interest owners are identical. The NMOCD has been sent a copy of the proposal for approval.

The BLM's interest in all wells has identical royalty rates of 12.5% and acreage. Waste is not induced and no correlative rights are impaired. These meters will be calibrated on a regular basis per API, NMOCD and BLM specifications. The BLM and OCD will be notified of any future changes in the facility.

Oil off-lease storage and metering:

The Kyle 34 Federal Com 3H CTB is located on lease NMNM102911, SESW, Sec. 34, T24S, R28E. The CTB has four oil tanks that the well will utilize. The produced water will go to six water tanks on location.

The Kyle 34 Federal Com 5H CTB is located on lease NMNM013074, SESE, Sec. 34, T24S, R28E. The CTB has three oil tanks that the well will utilize. The produced water will go to four water tanks on location.

Each well will have its own 3-phase separator. The oil production will be allocated on a daily basis using the Coriolis meter on the downstream side of the 3-phase separator.

Kyle 34 Federal Com 3H oil allocation meter consists of a Micro Motion Coriolis meter (SN-D0302997). Kyle 34 Federal Com 5H oil allocation meter consists of a Micro Motion Coriolis meter (SN-D030557).

Oil allocation meters will be proven per API & NMOCD specifications as follows:

- Installation
- Monthly for the first three (3) months
- · Quarterly thereafter

Gas metering:

The facility will be co-located with the wells location. The gas will have a common central delivery point (CDP) gas sales meter which is located off lease on the west side of the Kyle 34 Federal 2H, NMNM 013074, in the SWSW, Sec. 34, T24S, R28E.

Gas production will be allocated on a daily basis using the subtraction method from the allocation meters upstream of the sales meter located on the west side of the Kyle 34 Federal 2H, NMNM 013074, in the SWSW, Sec. 34, T24S, R28E.

Kyle 34 Federal Com 3H gas allocation meter consists of an orifice meter SN-T113359998 Kyle 34 Federal Com 5H gas allocation meter consists of an orifice meter SN-T144706777

Gas allocation meters will be calibrated as per API & NMOCD specifications as follows

- Installation
- Every six (6) months thereafter

The BLM and OCD will be notified of any future changes in the equipment.

Process and Flow Descriptions:

The Kyle 34 Federal Com 3H & Kyle 34 Federal Com 5H gas will flow from well through separation equipment located at the well sites where oil is measured, stored, and sold. The gas will then travel by pipeline to the Kyle 34 Federal 2H well pad. The gas from each well will be measured through individual orifice meters prior to commingling at the sales meter. A CDP gas sales meter, is located off lease on the west side of the Kyle 34 Federal 2H, NMNM 013074, in the SWSW, Sec. 34, T24S, R28E.

The flow of gas is shown in detailed aerial layout on the lease map along with a description of each lease. The commingling of gas production is in the interest of conservation and waste and will result in the most effective, economic means of producing the reserves in place from the affected wells and will not result in reduced royalty or improper measurement of production.

A CDP gas sales meter is located off lease on the west side of the Kyle 34 Federal 2H, NMNM 013074, in the SWSW, Sec. 34, T24S, R28E.

Signed: Printed Name: Adrian Covarrubias

Title: Regulatory Professional Date: December 18, 2019

Economic Justification Worksheet Kyle Federal Com

Economic for lease:

Federal lease NMNM102911 Royalty Rate 12.5%

Well Name	MCFPD	Dry BTU	Value / mcf
Kyle 34 Federal Com 3H	459	1293	2.11

Federal lease NMNM25953 Royalty Rate 12.5%

Well Name	MCFPD	Dry BTU	Value / mcf
Kyle 34 Federal Com 5H	403	1269	2.11

Economic Combined Production

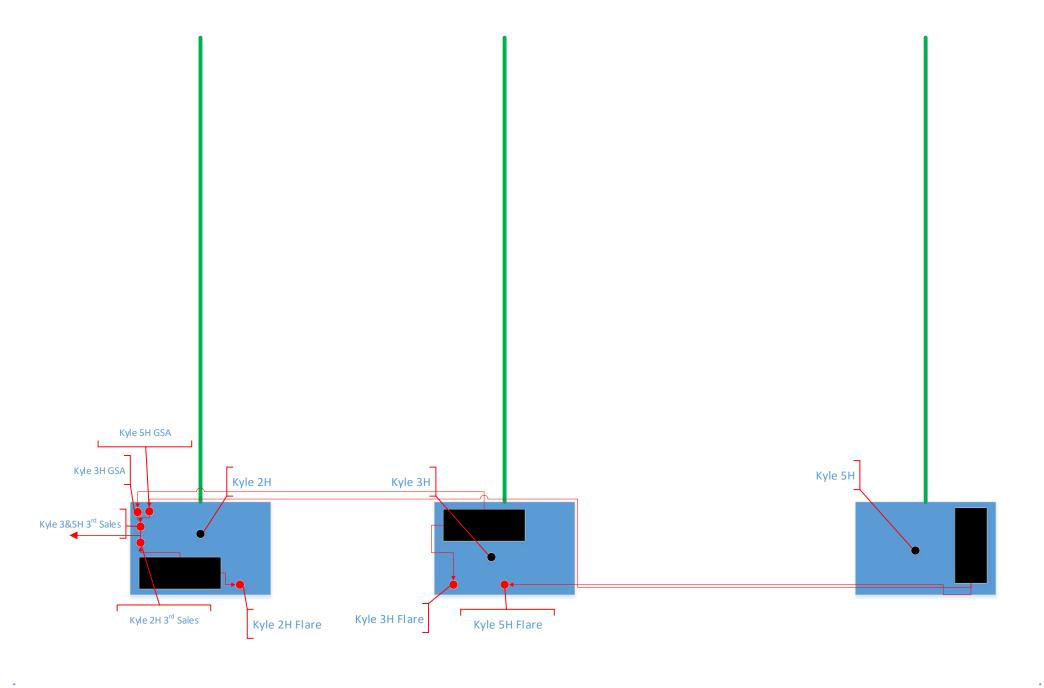
Well Name	MCFPD	Dry BTU	Value / mcf
Kyle 34 Federal Com CDP	862	1282	2.11

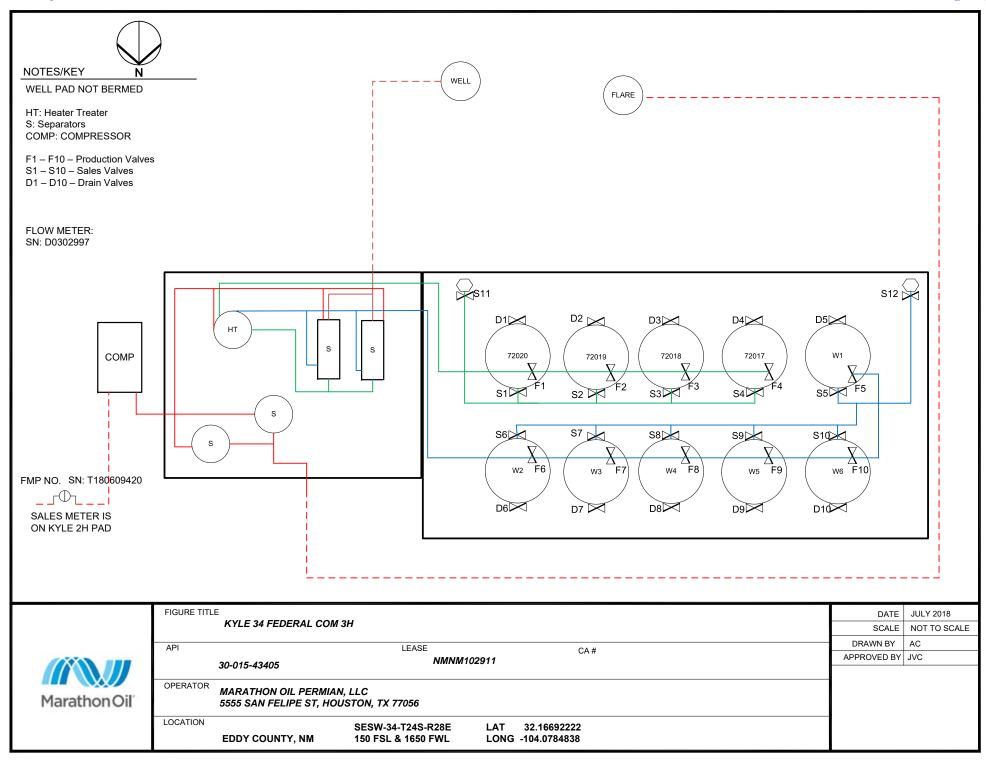
By combining the gas production of these leases, the royalty value will not be affected due to the contract Marathon has with the purchaser; which states that they will purchase all oil and gas at one price regardless of variance in BTU for gas.

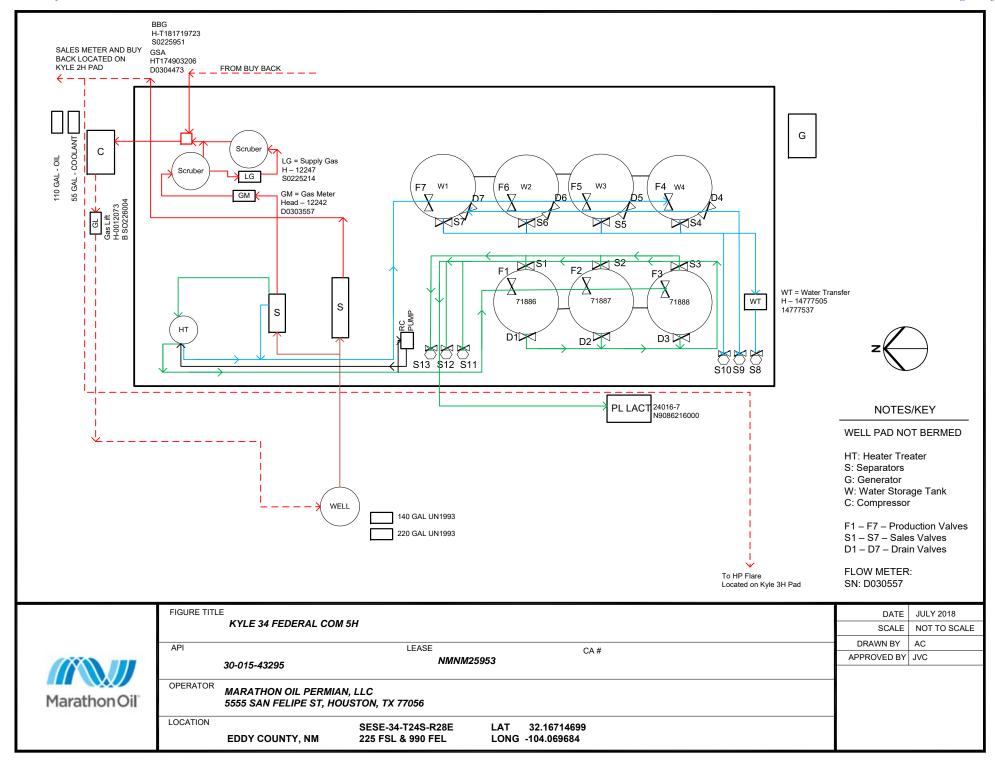
Printed Name: Adrian Covarrubias
Title: Regulatory Professional

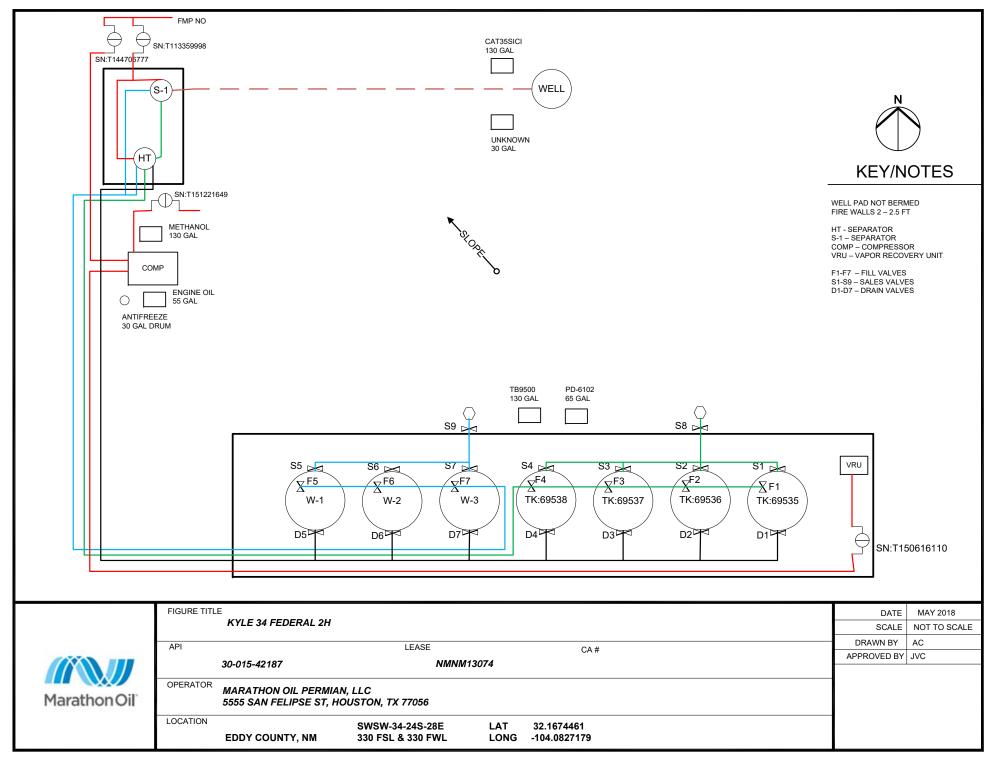
Date: December 18, 2019

FACILITY DIAGRAMS

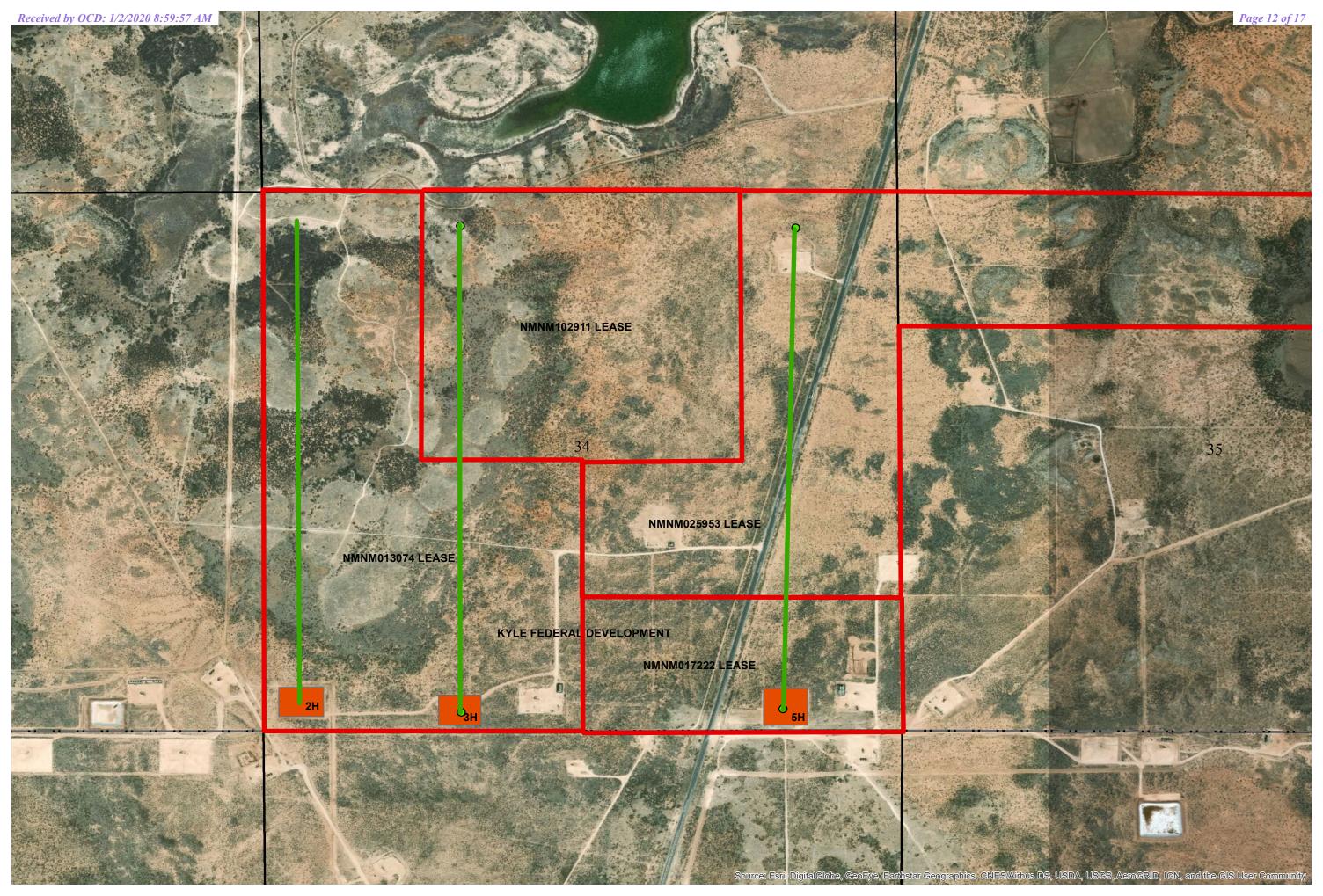








LEASE MAP



AS DRILLED PLATS

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

¹ API Number 30-015-43405		² Pool Code 96415	³ Pool Name PURPLE SAGE;	WOL	_FCAMP			
⁴ Property Code		⁵ Pı	roperty Name	×	⁶ Well Number			
26599		KYLE 34 FEDERAL						
OGRID No.		⁸ Operator Name						
155615		3000						
		10 C-24	fora I postion					

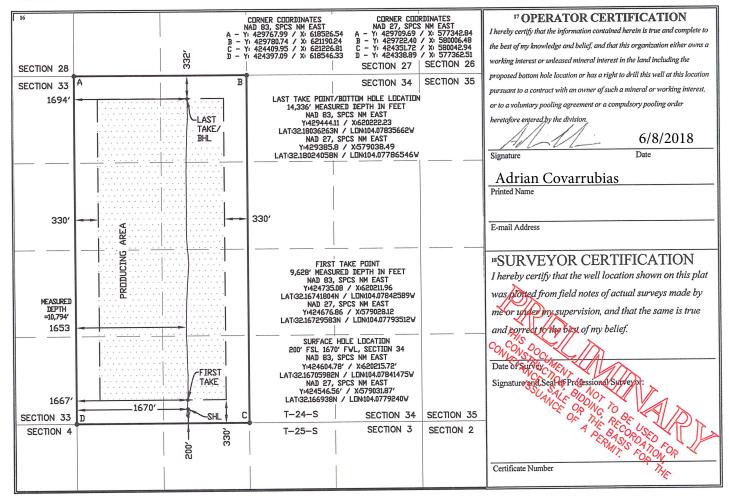
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	34	T24S	R28E		200	SOUTH	1670	WEST	EDDY
							~ ^		

"Bottom Hole 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
c	34	T24S	R28E		332	NORTH	1694	WEST	EDDY
12 Dedicated Acres	13 Joint or	r Infill 14 C	Consolidation	Code 15 Or	der No.				
320									

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

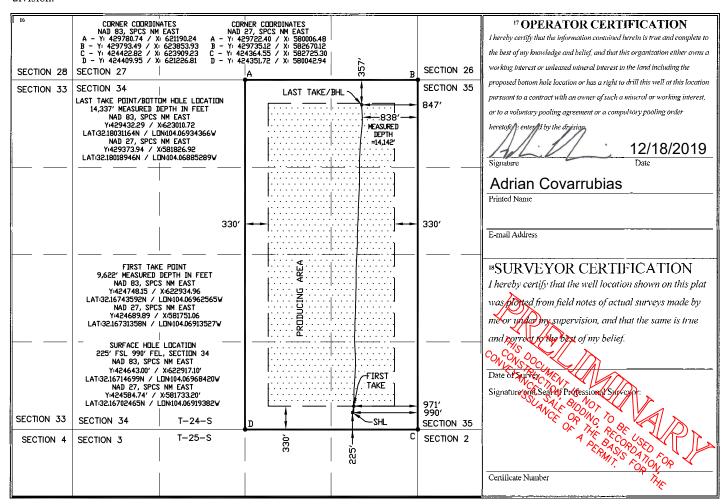
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

	WELL I	OCATION	AND ACRE	AGE DEDICA	ATION PLAT
--	--------	---------	----------	------------	------------

¹ API Number ² Pool (e		³ Pool Nam	2			
⁴ Property 0	Code		L		5 Property N	ame		6 V	Vell Number		
	ļ				KYLE 34 FE	DERAL			5H		
⁷ OGRID	No.				8 Operator N	anie		,	, Elevation		
16082	25			Е	B.C. OPERAT	ING, INC.		ŀ	2994		
	-				¹⁰ Surface L	ocation		·			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Р	34	T24S	R28E		225	SOUTH	990	EAST	EDDY		
			"Во	ttom Ho	le Location If	Different From	Surface	•			
UL or lot no.	Section	Township	Range	I.ot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Α	34	T24S	R28E		357	NORTH	847	EAST	EDDY		
12 Dedicated Acres	13 Joint of	r Infill 14 C	Consolidation	Code 15 O	rder No.						
320.00		-									

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.



INTEREST OWNER LETTER



Clayton Rule, CPL Land Supervisor LAND - Permian

Marathon Oil Company

5555 San Felipe Houston, TX 77056 Telephone 713.296.2186 Fax 713.296.4495 CWRULE@marathonoil.com

DELIVERED VIA: USPS CERTIFIED MAIL

November 5, 2019

New Mexico Oil Conservation Division 1220 South Francis Drive Santa Fe, NM 87505

Re: Marathon Oil Permian LLC – Surface Commingling

Kyle 34 Federal Com (3H & 5H) Section 34, T24S, R28E

Eddy County, New Mexico

Marathon Oil Permian LLC (" Marathon") has filed the attached application with the New Mexico Oil Conservation Division ("Division") for administrative approval to surface lease commingle production according to the provisions of NMAC 19.15.12.10.C from the Kyle 34 Federal Com 3H (30-015-43405) and the Kyle 34 Federal Com 5H (30-015-43295), all located in Section 34, T24S-R28E, Eddy County, New Mexico. The interest in both wells are identical.

Should you have any questions please do not hesitate to contact me at number provided above.

Sincerely,

MARATHON OIL COMPANY

Mile

Clayton Rule, CPL