

Revised March 23, 2017

RECEIVED: <u>11/20/18</u>	REVIEWER: <u>cyM</u>	TYPE: <u>PLC</u>	APP NO: <u>359 PMAM18309 60357</u>
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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



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Marathon Oil Permian LLC	OGRID Number: 372098
Well Name: Sweet Tea State 24 29 31 SB 4H, WD 2H, WA 5H, TB 6H, WXY 3H	API: 30-015-45032, 45031, 44662, 44663, 44661
Pool: Willow Lake West Bone Spring; Purple Sage Wolfcamp	Pool Code: 96415; 98220

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

PLC 536

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location - Spacing Unit - Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
- [I] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. Offset operators or lease holders
 B. Royalty, overriding royalty owners, revenue owners
 C. Application requires published notice
 D. Notification and/or concurrent approval by SLO
 E. Notification and/or concurrent approval by BLM
 F. Surface owner
 G. For all of the above, proof of notification or publication is attached, and/or,
 H. No notice required

FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Jennifer Van Curen
 Print or Type Name

10/25/18
 Date

713-296-2500
 Phone Number

Jennifer Van Curen
 Signature

jvancuren@marathonoil.com
 e-mail Address

Chase Rice, CPL
Staff Land Professional
Permian Basin



Marathon Oil Company
5555 San Felipe
Houston, TX 77056
Telephone 713.296.2164
Fax 713.296.3055
cfrice@marathonoil.com

October 22, 2018

DELIVERED VIA:
Certified Mail

WORKING AND REVENUE INTEREST OWNERS
(see attached list)

Re: Marathon Oil Permian LLC Application For Surface Commingling
SW/4 of Section 31, T24S-R29E, & W/2 of Section 6, T25S R29E, Eddy County, New Mexico

Dear Interest Owner,

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 Purple Sage Wolfcamp Pool code 98220, and the Willow Lake, West Bone Spring, Pool code 96415, from the wells listed below, to a central tank battery located on the Sweet Tea State 24 29 31 multi-well pad located in Unit L of Section 31, T24S-R29E, Eddy County, New Mexico.

- ✓ Sweet Tea State 24 29 31 WXY 3H: API# 30-015-44661, producing from the Purple Sage Wolfcamp pool. *Hearings R 14623*
- ✓ Sweet Tea State 24 29 31 WD 2H: API#30-015-45031, producing from the Purple Sage Wolfcamp pool.
- Sweet Tea State 24 29 31 WA 5H: API#30-015-44662, producing from the Purple Sage Wolfcamp pool. *Hearings Under-14623*
- ✓ Sweet Tea State 24 29 31 TB 6H: API#30-015-44663, producing from the Willow Lake, West Bone Spring pool. *Hearings Under R-14624*
- ✓ Sweet Tea State 24 29 31 SB 4H: API#30-015-45032, producing from the Willow Lake, West Bone Spring pool.

As a working interest and/or revenue interest owner in these wells, Marathon is required to notify you of this application. Any objections must be filed in writing with the Division within 20 days from the date the Division receives Marathon's application.

Should you have any questions please do not hesitate to contact me at **713-296-3055** or by email at cfrice@marathonoil.com.

Sincerely,

Chase Rice, CPL
Permian Basin

Marathon Oil Permian LLC - Application For Surface Commingling
Sweet Tea State WXY 3H, WD 2H, WA 5H, TB 6H, & SB 4H

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. Multiple
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Marathon Oil Permian LLC		6. State Oil & Gas Lease No.
3. Address of Operator 5555 San Felipe St., Houston, TX 77056		7. Lease Name or Unit Agreement Name SWEET TEA STATE 24 29 31
4. Well Location Unit Letter <u>L</u> : _____ feet from the _____ line and _____ feet from the _____ line Section <u>31</u> Township <u>24S</u> Range <u>29E</u> NMPM County <u>EDDY</u>		8. Well Number Multiple
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 372098
10. Pool name or Wildcat Multiple		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: Request to commingle <input checked="" type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Permian LLC is requesting approval to commingle different pools on the lease. The value of the oil and gas will not be affected with the approval of this commingle request. Please see the attached pool commingle request. Wells will be accurately measured with daily measurement at separation. Notices have been mailed to all interest owners.

Wells to be commingled:

Name	Location	API	Pool
Sweet Tea State 24 29 31 SB 4H	L-31-24S-29E (2371 FSL 431 FWL)	30-015-45032	Willow Lake, West; Bone Spring (96415)
Sweet Tea State 24 29 31 TB 6H	L-31-24S-29E (2407 FSL 406 FWL)	30-015-44663	Willow Lake, West; Bone Spring (96415)
Sweet Tea State 24 29 31 WA 5H	L-31-24S-29E (2407 FSL 356 FWL)	30-015-44662	Purple Sage; Wolfcamp (98220)
Sweet Tea State 24 29 31 WD 2H	L-31-24S-29E (2372 FSL 381 FWL)	30-015-45031	Purple Sage; Wolfcamp (98220)
Sweet Tea State 24 29 31 WXY 3H	L-31-24S-29E (2406 FSL 456 FWL)	30-015-44661	Purple Sage; Wolfcamp (98220)

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jennifer Van Curen TITLE Sr. Regulatory Compliance Representative DATE 10/26/2018
 Type or print name Jennifer Van Curen E-mail address: jvancuren@marathonoil.com PHONE: 713-296-2500

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Marathon Oil Permian LLC
OPERATOR ADDRESS: 5555 San Felipe St., Houston, TX 77057
APPLICATION TYPE:

Pool Commingling Lease Commingling Pool and Lease Commingling Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: Fee State Federal

Is this an Amendment to existing Order? Yes No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
 Yes No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production	Calculated Value of Commingled Production	Volumes
Willow Lake, West; Bone Spring (96415)			<i>NO Production</i>	
Purple Sage; Wolfcamp (98220)				

- (2) Are any wells producing at top allowables? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No.
(4) Measurement type: Metering Other (Specify)
(5) Will commingling decrease the value of production? Yes No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

- (1) Pool Name and Code. Attached
(2) Is all production from same source of supply? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No
(4) Measurement type: Metering Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

- (1) Complete Sections A and E. Attached

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

- (1) Is all production from same source of supply? Yes No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location. attached
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

Included on the C-103

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Jennifer Van Curen TITLE: Sr. Regulatory Compliance Rep. DATE: 10/25/18
TYPE OR PRINT NAME Jennifer Van Curen TELEPHONE NO.: 713-296-2500
E-MAIL ADDRESS: jvancuren@marathonoil.com

Process and Flow Descriptions:

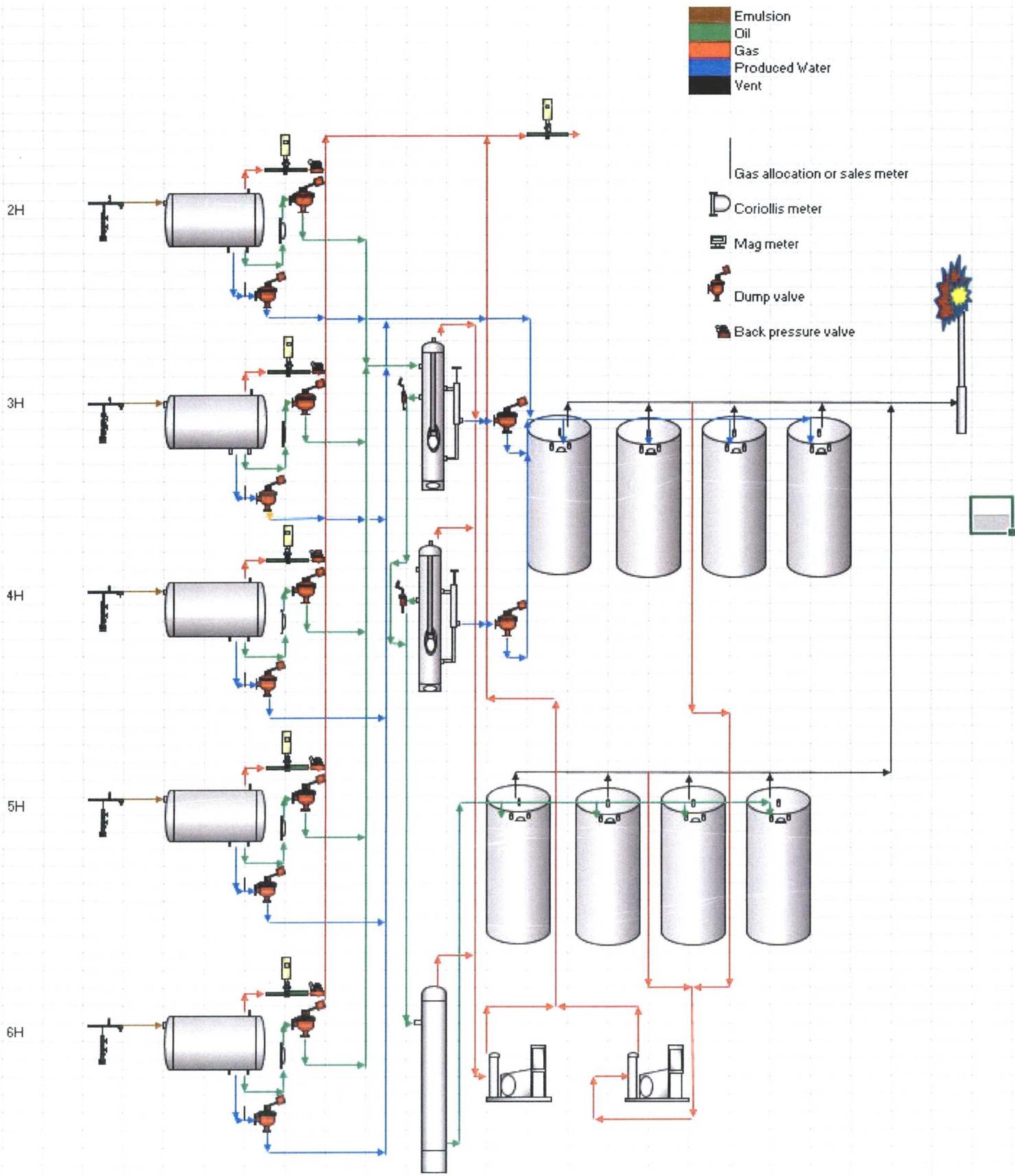
The central tank battery is located on the Sweet Tea State 24 29 31 multi-well pad location in Sec 31, T24S, R29E. The production from each well will flow through its own three phase metering separator with a Micro Motion Coriolis Meter to meter the oil, Mag meter to meter the water, and an orifice meter to meter the gas. VRU gas will be allocated back to each well utilizing a percentage of each wells monthly oil production. After the water is measured with the Mag meter, it is combined with the water for the other wells and with any water knockout from the heater treater and sent to the water tanks. The water tanks have guided wave radar level transmitters which can detect oil/water interfaces. If an interface is seen the operator will use the recycle pump to pump this interface and any oil to the heater treater for further processing.

The Sweet Tea State 24 29 31 CTB will have four oil tanks that these five wells will utilize and they have a common CDP, (Central Delivery Point) (**Number provided upon receipt**) which is located on site. Oil, gas, and water volumes from each well producing to this battery will be determined by using individual metering allocation separator. Oil sold through a common sales line for tanks (information provided upon receipt).

Oil production will be allocated on a daily basis based on the Coriolis Test meter located downstream of the metering test separator and daily tank gauges and truck LACT. The Coriolis meters will be proven, as per API & NMOCD specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter, the factor obtained will be used to allocate the production volumes. Gas production will be allocated on a daily basis utilizing the gas test meters for each well. The gas production from the wells and the gas test meters will commingle and flow to an allocation meter and then to the CDP sales meter, (**number provided upon receipt**) these meters will be calibrated on a regular basis per API & NMOCD specifications. The OCD will be notified of any future changes in the facilities.

Reasoning:

The flow of produced fluids is shown in detail on the enclosed Sweet Tea State 24 29 31 CTB Process Flow Diagrams along with a description of each vessel. The commingling of this production is the most effective, economic means of producing the reserves and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce the surface facility footprint and overall emissions.



- Emulsion
- Oil
- Gas
- Produced Water
- Vent

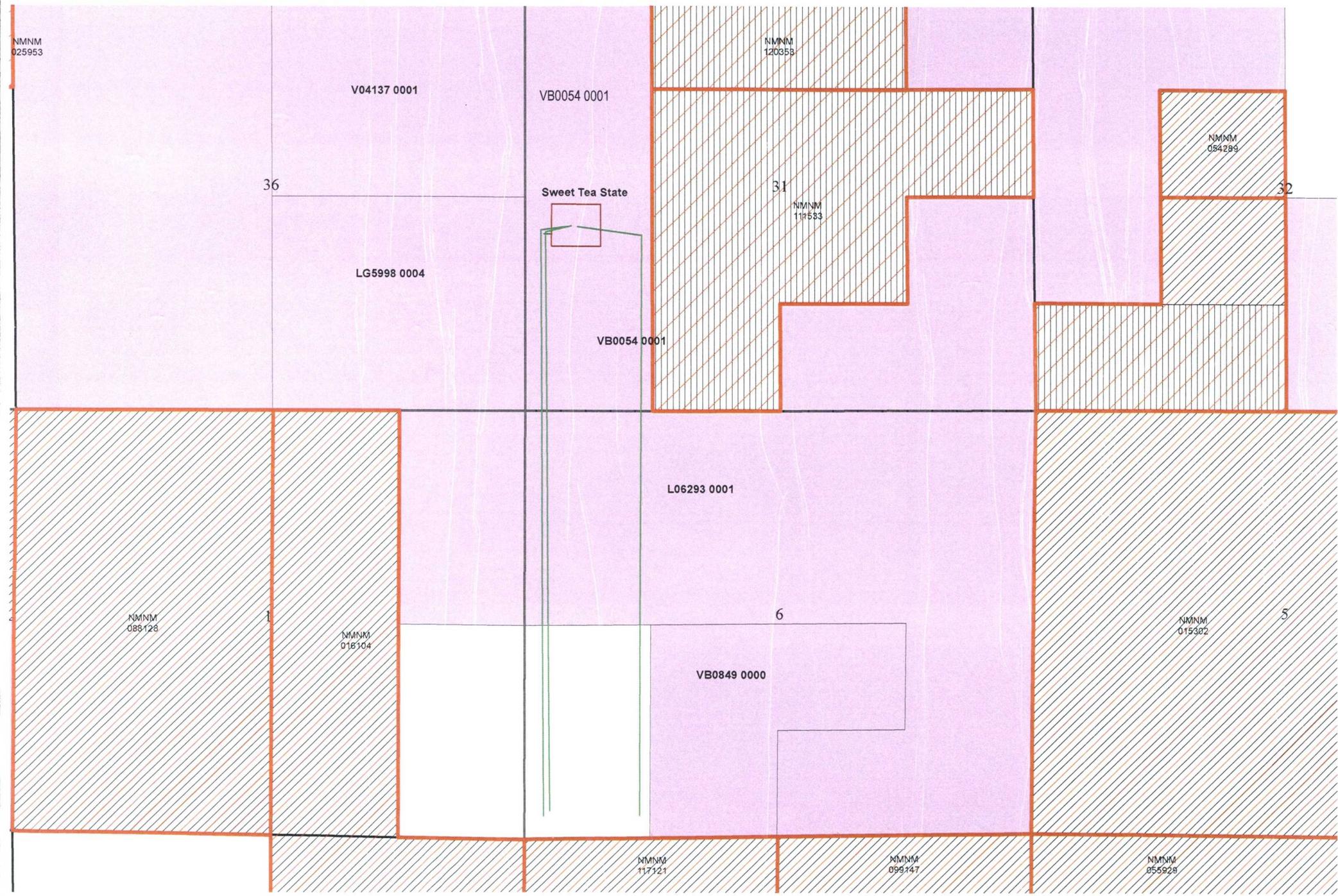
Gas allocation or sales meter

Coriolis meter

Mag meter

Dump valve

Back pressure valve



NMNM
025953

V04137 0001

VB0054 0001

NMNM
120358

36

Sweet Tea State

31

NMNM
117533

NMNM
054289

32

LG5998 0004

VB0054 0001

L06293 0001

NMNM
015302

5

NMNM
088128

1

NMNM
016104

6

VB0849 0000

NMNM
117121

NMNM
099147

NMNM
055928

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

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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	² Pool Code 96415	³ Pool Name WILLOW LAKE, WEST (BONE SPRING)
⁴ Property Code	⁵ Property Name SWEET TEA STATE 24-29-31 SB	⁶ Well Number 4H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 2919'

¹⁰ Surface Location

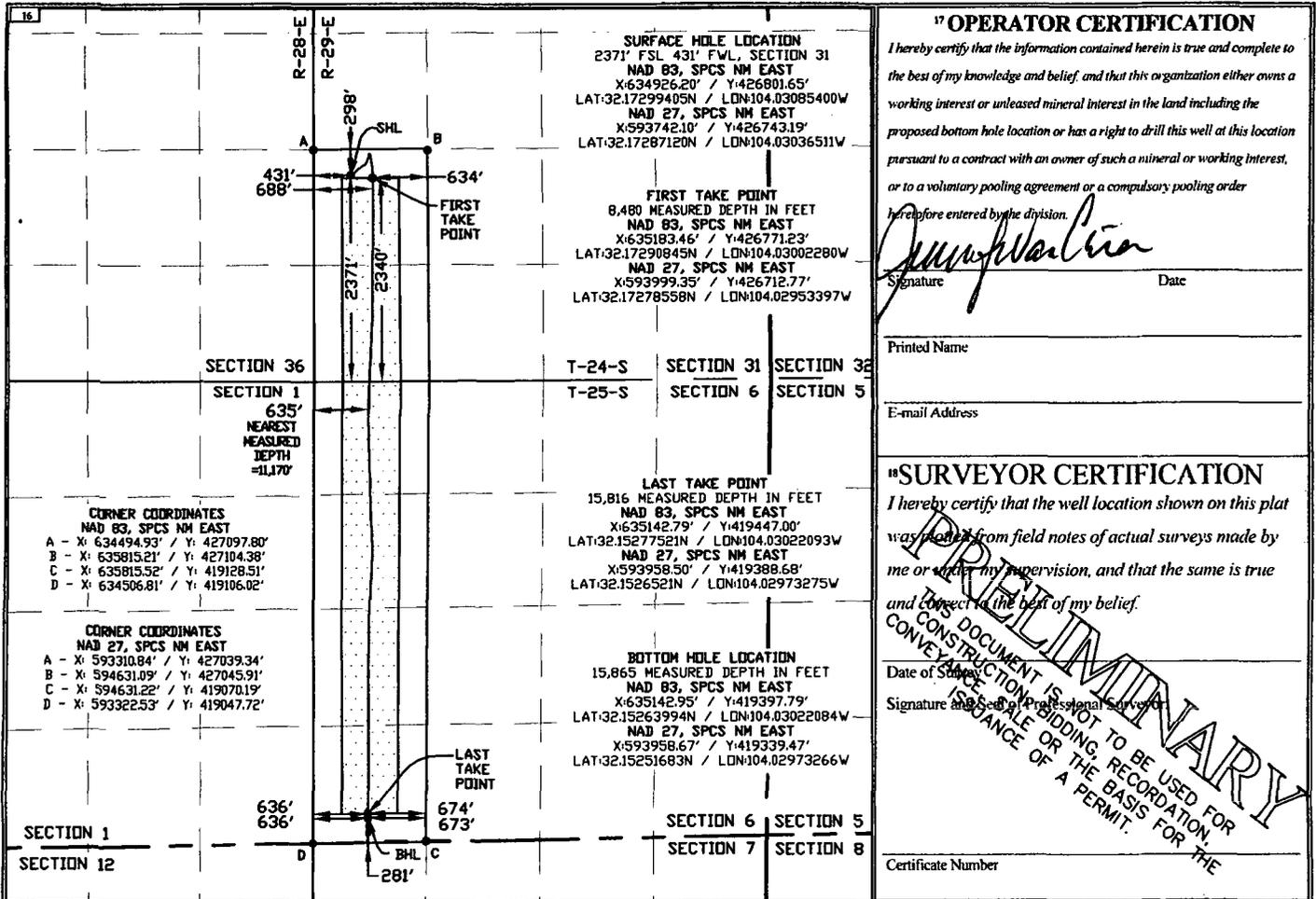
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	24S	29E		2371	SOUTH	431	WEST	EDDY

¹¹ 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
M	6	25S	29E		281	SOUTH	636	WEST	EDDY

¹² Dedicated Acres 235.88	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



NOTE; ALL DIMENSIONS IN U.S. FEET

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Form C-102
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98220	³ Pool Name PURPLE SAGE (WOLFCAMP)
⁴ Property Code	⁵ Property Name SWEET TEA STATE 24-29-31 WD	⁶ Well Number 2H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 2918'

¹⁰ Surface Location

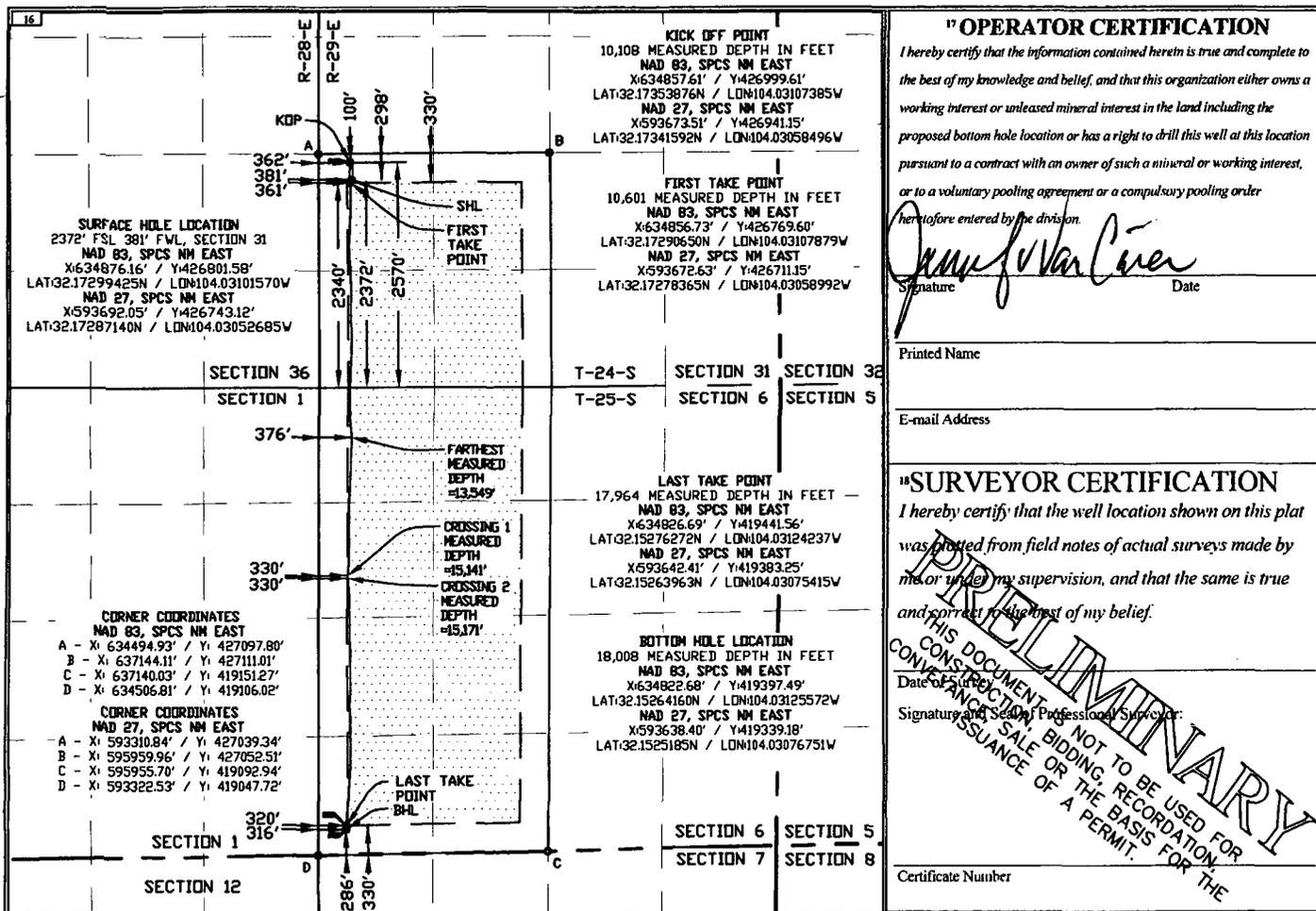
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	24S	29E		2372	SOUTH	381	WEST	EDDY

¹¹ 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
M	6	25S	29E		286	SOUTH	316	WEST	EDDY

¹² Dedicated Acres 475.88	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



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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	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	⁵ Property Name SWEET TEA STATE 24-29-31 WA	⁶ Well Number 5H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 2,921'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L (LOT 3)	31	T24S	R29E		2407	SOUTH	356	WEST	EDDY

¹¹ 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
M (LOT 7)	6	T25S	R29E		286	SOUTH	342	WEST	EDDY

¹² Dedicated Acres 475.65	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order 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.

¹⁶ SECTION 25 SECTION 36 SURFACE HOLE LOCATION 2407' FSL 356' FWL, SECTION 31 NAD 83, SPCS NM EAST Y426836.64 / X634851.12 LAT:32.1730982N / LON:104.0319628W NAD 27, SPCS NM EAST Y426778.18 / X593667.02 LAT:32.17296797N / LON:104.0306704W				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order hereafter entered by the division.			
¹⁶ SECTION 30 SECTION 31 KICK OFF POINT 9,510 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y426961.65 / X634806.88 LAT:32.17343480N / LON:104.03123818W NAD 27, SPCS NM EAST Y426903.19 / X593622.78 LAT:32.17331196N / LON:104.03074927W				 Signature _____ Date _____			
¹⁶ SECTION 29 SECTION 32 FIRST TAKE POINT 9,880 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y426769.36 / X634807.78 LAT:32.17290621N / LON:104.03123701W NAD 27, SPCS NM EAST Y426710.90 / X593623.67 LAT:32.17278336N / LON:104.03074813W				Printed Name _____ E-mail Address _____			
¹⁶ SECTION 36 SECTION 31 LAST TAKE POINT 17,237 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y419441.94 / X634848.46 LAT:32.15276358N / LON:104.03117202W NAD 27, SPCS NM EAST Y419383.63 / X593664.18 LAT:32.15264049N / LON:104.0306838W				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.			
¹⁶ SECTION 1 SECTION 5 BOTTOM HOLE LOCATION 17,281 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y419397.60 / X634848.38 LAT:32.15264170N / LON:104.03117268W NAD 27, SPCS NM EAST Y419339.29 / X593664.10 LAT:32.1525186N / LON:104.03068446W				Date of Survey _____ Signature and State of Professional Surveyor _____ CONSTRUCTION, BIDDING, RECORDATION, SALE OR LEASE OF A PERMIT.			
¹⁶ SECTION 1 SECTION 6 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 427097.80 / X: 634494.93 B - Y: 427111.01 / X: 637144.06 C - Y: 419151.27 / X: 637140.03 D - Y: 419106.02 / X: 634506.81				CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 427039.34 / X: 593310.84 B - Y: 427052.52 / X: 595959.91 C - Y: 419092.94 / X: 595955.70 D - Y: 419047.72 / X: 593322.53			
¹⁶ SECTION 12 SECTION 7 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 427097.80 / X: 634494.93 B - Y: 427111.01 / X: 637144.06 C - Y: 419151.27 / X: 637140.03 D - Y: 419106.02 / X: 634506.81				CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 427039.34 / X: 593310.84 B - Y: 427052.52 / X: 595959.91 C - Y: 419092.94 / X: 595955.70 D - Y: 419047.72 / X: 593322.53			
¹⁶ SECTION 1 SECTION 8 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 427097.80 / X: 634494.93 B - Y: 427111.01 / X: 637144.06 C - Y: 419151.27 / X: 637140.03 D - Y: 419106.02 / X: 634506.81				CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 427039.34 / X: 593310.84 B - Y: 427052.52 / X: 595959.91 C - Y: 419092.94 / X: 595955.70 D - Y: 419047.72 / X: 593322.53			

NOTE: ALL DIMENSIONS IN U.S. FEET

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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	⁵ Property Name SWEET TEA STATE 24-29-31 WXY	
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁶ Well Number 3H ⁹ Elevation 2921'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L (LOT 3)	31	T24S	R29E		2406	SOUTH	456	WEST	EDDY

¹¹ 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
M (LOT 7)	6	T25S	R29E		286	SOUTH	1265	WEST	EDDY

¹² Dedicated Acres 475.65	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

<p>¹⁶ SECTION 25</p> <p>SECTION 36</p> <p>SURFACE HOLE LOCATION 2406' FSL 456' FWL, SECTION 31 NAD 83, SPCS NM EAST Y:426836.66 / X:634951.19 LAT:32.1730911N / LDN:104.03077291W NAD 27, SPCS NM EAST Y:426778.20 / X:593767.08 LAT:32.17296726N / LDN:104.03028405W</p>				<p>SECTION 30</p> <p>SECTION 31</p> <p>KICK OFF POINT 9,404 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y:427004.06 / X:635750.30 LAT:32.17354407N / LDN:104.02818867W NAD 27, SPCS NM EAST Y:426945.59 / X:594566.18 LAT:32.17342118N / LDN:104.02769999W</p> <p>FIRST TAKE POINT 9,861 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y:426774.23 / X:635785.91 LAT:32.17291202N / LDN:104.02807567W NAD 27, SPCS NM EAST Y:426715.76 / X:594601.78 LAT:32.17278912N / LDN:104.02758694W</p>				<p>SECTION 29</p> <p>SECTION 32</p> <p>FIRST TAKE POINT 9,861 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y:426774.23 / X:635785.91 LAT:32.17291202N / LDN:104.02807567W NAD 27, SPCS NM EAST Y:426715.76 / X:594601.78 LAT:32.17278912N / LDN:104.02758694W</p>				<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>James W. Cline</i> Signature Date</p> <p>Printed Name</p> <p>E-mail Address</p>			
<p>SECTION 36</p> <p>SECTION 1</p> <p>LAST TAKE POINT 17,200 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y:419457.78 / X:635770.21 LAT:32.15279998N / LDN:104.02819345W NAD 27, SPCS NM EAST Y:419399.46 / X:594585.91 LAT:32.15267684N / LDN:104.02770537W</p>				<p>SECTION 31</p> <p>SECTION 6</p> <p>CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 427097.80 / X: 634494.93 B - Y: 427111.01 / X: 637144.06 C - Y: 419151.27 / X: 637140.03 D - Y: 419106.02 / X: 634506.81</p>				<p>SECTION 5</p> <p>SECTION 5</p> <p>T-24-S</p> <p>T-25-S</p>				<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.</p> <p>DATE OF SURVEY</p> <p>Signature and Seal of Professional Surveyor</p>			
<p>SECTION 1</p> <p>SECTION 12</p> <p>BOTTOM HOLE LOCATION 17,244 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y:419413.57 / X:635771.22 LAT:32.15267845N / LDN:104.02819061W NAD 27, SPCS NM EAST Y:419355.25 / X:594586.92 LAT:32.15255531N / LDN:104.02770252W</p>				<p>SECTION 6</p> <p>SECTION 7</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 427039.34 / X: 593310.84 B - Y: 427052.52 / X: 595959.91 C - Y: 419092.94 / X: 595953.70 D - Y: 419047.72 / X: 634322.53</p>				<p>SECTION 5</p> <p>SECTION 8</p>				<p>DATE OF SURVEY</p> <p>Signature and Seal of Professional Surveyor</p>			

NOTE; ALL DIMENSIONS IN U.S. FEET