

Revised March 23, 2017

RECEIVED: 11/05/2018	REVIEWER: LJM	TYPE: PLC	APP NO: PMAM18309 60357
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359

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

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

☐

Notice Complete

☐

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

Date

10/25/18

713-296-2500

Phone Number

jvancuren@marathonoil.com

e-mail Address

Jennifer Van Curen
Signature

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,

A handwritten signature in cursive script that reads 'Chase Rice'.

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

WELL API NO. Multiple
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SWEET TEA STATE 24 29 31
8. Well Number Multiple
9. OGRID Number 372098
10. Pool name or Wildcat Multiple

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.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator Marathon Oil Permian LLC	
3. Address of Operator 5555 San Felipe St., Houston, TX 77056	
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>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Request to commingle <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 attach 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:

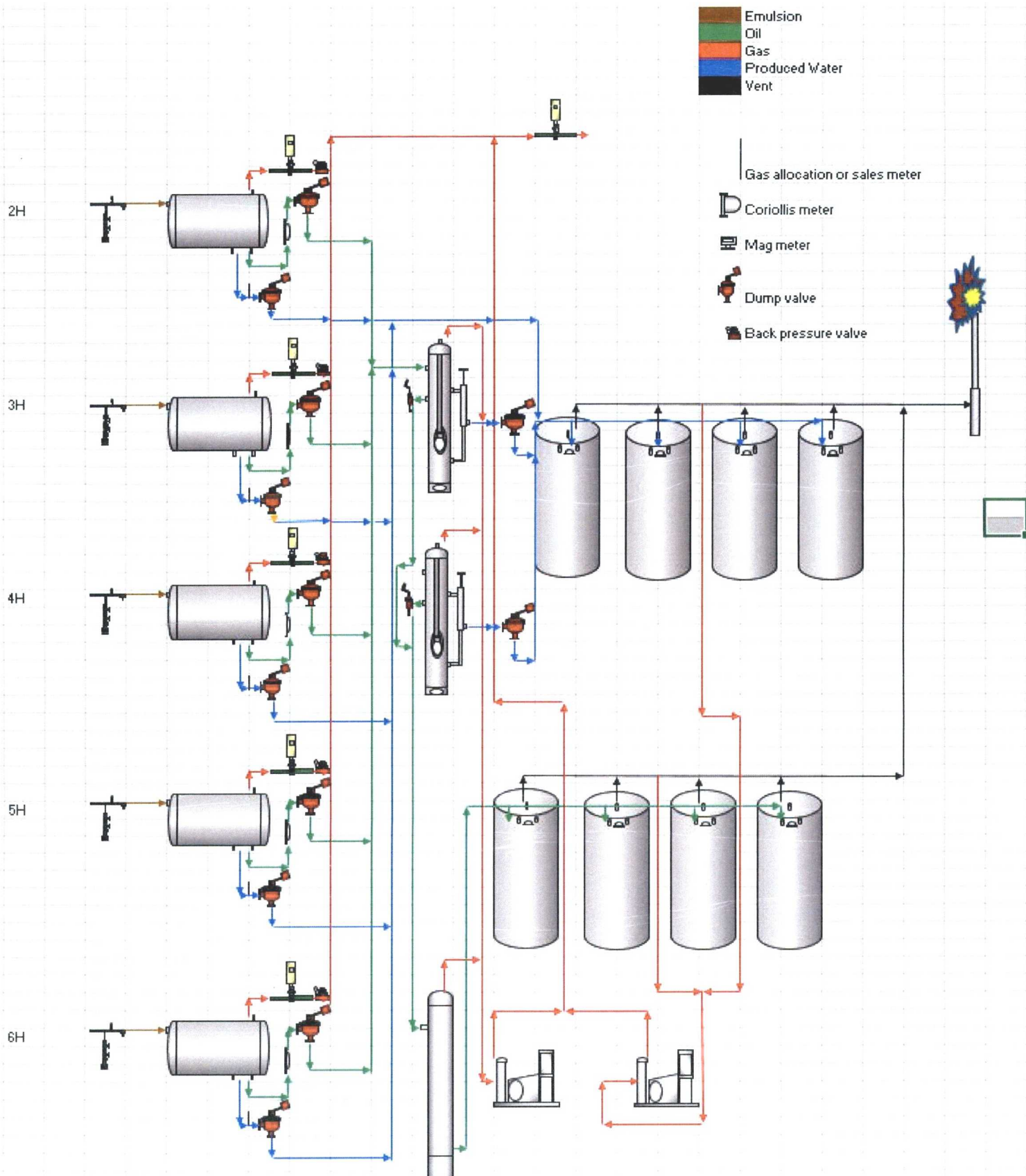
The central tank battery is located on the Sweet Tea State 24 29 31 multi-well pad location in Sec 31, T24S, R29E. The production from each well will flow through its own three phase metering separator with a Micro Motion Coriolis Meter to meter the oil, Mag meter to meter the water, and an orifice meter 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.



NMNM
025953

V04137 0001

VB0054 0001

NMNM
120358

36

Sweet Tea State

31

NMNM
111533

NMNM
054289

32

LG5998 0004

VB0054 0001

L06293 0001

NMNM
088128

1

NMNM
016104

6

VB0849 0000

NMNM
015302

5

NMNM
117121

NMNM
099147

NMNM
055928

District I
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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 TB	⁶ Well Number 6H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 2922'

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	406	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		284	SOUTH	388	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.

¹⁶ SECTION 25 SECTION 36 SURFACE HOLE LOCATION 2407' FSL 406' FWL, SECTION 31 NAD 83, SPCS NM EAST Y426836.69 / X634901.17 LAT32:17309058N / LON104.03093455W NAD 27, SPCS NM EAST Y426778.23 / X593717.06 LAT32:17296773N / LON104.03044568W FIRST TAKE POINT 414' FARTHEST MEASURED DEPTH =9,829' NEAREST MEASURED DEPTH =13,315' 377' 387' 388' 390' 392' 394' 396' 398' 400' 402' 404' 406' 408' 410' 412' 414' 416' 418' 420' 422' 424' 426' 428' 430' 432' 434' 436' 438' 440' 442' 444' 446' 448' 450' 452' 454' 456' 458' 460' 462' 464' 466' 468' 470' 472' 474' 476' 478' 480' 482' 484' 486' 488' 490' 492' 494' 496' 498' 500' 502' 504' 506' 508' 510' 512' 514' 516' 518' 520' 522' 524' 526' 528' 530' 532' 534' 536' 538' 540' 542' 544' 546' 548' 550' 552' 554' 556' 558' 560' 562' 564' 566' 568' 570' 572' 574' 576' 578' 580' 582' 584' 586' 588' 590' 592' 594' 596' 598' 600' 602' 604' 606' 608' 610' 612' 614' 616' 618' 620' 622' 624' 626' 628' 630' 632' 634' 636' 638' 640' 642' 644' 646' 648' 650' 652' 654' 656' 658' 660' 662' 664' 666' 668' 670' 672' 674' 676' 678' 680' 682' 684' 686' 688' 690' 692' 694' 696' 698' 700' 702' 704' 706' 708' 710' 712' 714' 716' 718' 720' 722' 724' 726' 728' 730' 732' 734' 736' 738' 740' 742' 744' 746' 748' 750' 752' 754' 756' 758' 760' 762' 764' 766' 768' 770' 772' 774' 776' 778' 780' 782' 784' 786' 788' 790' 792' 794' 796' 798' 800' 802' 804' 806' 808' 810' 812' 814' 816' 818' 820' 822' 824' 826' 828' 830' 832' 834' 836' 838' 840' 842' 844' 846' 848' 850' 852' 854' 856' 858' 860' 862' 864' 866' 868' 870' 872' 874' 876' 878' 880' 882' 884' 886' 888' 890' 892' 894' 896' 898' 900' 902' 904' 906' 908' 910' 912' 914' 916' 918' 920' 922' 924' 926' 928' 930' 932' 934' 936' 938' 940' 942' 944' 946' 948' 950' 952' 954' 956' 958' 960' 962' 964' 966' 968' 970' 972' 974' 976' 978' 980' 982' 984' 986' 988' 990' 992' 994' 996' 998' 1000' 1002' 1004' 1006' 1008' 1010' 1012' 1014' 1016' 1018' 1020' 1022' 1024' 1026' 1028' 1030' 1032' 1034' 1036' 1038' 1040' 1042' 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1708' 1710' 1712' 1714' 1716' 1718' 1720' 1722' 1724' 1726' 1728' 1730' 1732' 1734' 1736' 1738' 1740' 1742' 1744' 1746' 1748' 1750' 1752' 1754' 1756' 1758' 1760' 1762' 1764' 1766' 1768' 1770' 1772' 1774' 1776' 1778' 1780' 1782' 1784' 1786' 1788' 1790' 1792' 1794' 1796' 1798' 1800' 1802' 1804' 1806' 1808' 1810' 1812' 1814' 1816' 1818' 1820' 1822' 1824' 1826' 1828' 1830' 1832' 1834' 1836' 1838' 1840' 1842' 1844' 1846' 1848' 1850' 1852' 1854' 1856' 1858' 1860' 1862' 1864' 1866' 1868' 1870' 1872' 1874' 1876' 1878' 1880' 1882' 1884' 1886' 1888' 1890' 1892' 1894' 1896' 1898' 1900' 1902' 1904' 1906' 1908' 1910' 1912' 1914' 1916' 1918' 1920' 1922' 1924' 1926' 1928' 1930' 1932' 1934' 1936' 1938' 1940' 1942' 1944' 1946' 1948' 1950' 1952' 1954' 1956' 1958' 1960' 1962' 1964' 1966' 1968' 1970' 1972' 1974' 1976' 1978' 1980' 1982' 1984' 1986' 1988' 1990' 1992' 1994' 1996' 1998' 2000' 2002' 2004' 2006' 2008' 2010' 2012' 2014' 2016' 2018' 2020' 2022' 2024' 2026' 2028' 2030' 2032' 2034' 2036' 2038' 2040' 2042' 2044' 2046' 2048' 2050' 2052' 2054' 2056' 2058' 2060' 2062' 2064' 2066' 2068' 2070' 2072' 2074' 2076' 2078' 2080' 2082' 2084' 2086' 2088' 2090' 2092' 2094' 2096' 2098' 2100' 2102' 2104' 2106' 2108' 2110' 2112' 2114' 2116' 2118' 2120' 2122' 2124' 2126' 2128' 2130' 2132' 2134' 2136' 2138' 2140' 2142' 2144' 2146' 2148' 2150' 2152' 2154' 2156' 2158' 2160' 2162' 2164' 2166' 2168' 2170' 2172' 2174' 2176' 2178' 2180' 2182' 2184' 2186' 2188' 2190' 2192' 2194' 2196' 2198' 2200' 2202' 2204' 2206' 2208' 2210' 2212' 2214' 2216' 2218' 2220' 2222' 2224' 2226' 2228' 2230' 2232' 2234' 2236' 2238' 2240' 2242' 2244' 2246' 2248' 2250' 2252' 2254' 2256' 2258' 2260' 2262' 2264' 2266' 2268' 2270' 2272' 2274' 2276' 2278' 2280' 2282' 2284' 2286' 2288' 2290' 2292' 2294' 2296' 2298' 2300' 2302' 2304' 2306' 2308' 2310' 2312' 2314' 2316' 2318' 2320' 2322' 2324' 2326' 2328' 2330' 2332' 2334' 2336' 2338' 2340' 2342' 2344' 2346' 2348' 2350' 2352' 2354' 2356' 2358' 2360' 2362' 2364' 2366' 2368' 2370' 2372' 2374' 2376' 2378' 2380' 2382' 2384' 2386' 2388' 2390' 2392' 2394' 2396' 2398' 2400' 2402' 2404' 2406' 2408' 2410' 2412' 2414' 2416' 2418' 2420' 2422' 2424' 2426' 2428' 2430' 2432' 2434' 2436' 2438' 2440' 2442' 2444' 2446' 2448' 2450' 2452' 2454' 2456' 2458' 2460' 2462' 2464' 2466' 2468' 2470' 2472' 2474' 2476' 2478' 2480' 2482' 2484' 2486' 2488' 2490' 2492' 2494' 2496' 2498' 2500' 2502' 2504' 2506' 2508' 2510' 2512' 2514' 2516' 2518' 2520' 2522' 2524' 2526' 2528' 2530' 2532' 2534' 2536' 2538' 2540' 2542' 2544' 2546' 2548' 2550' 2552' 2554' 2556' 2558' 2560' 2562' 2564' 2566' 2568' 2570' 2572' 2574' 2576' 2578' 2580' 2582' 2584' 2586' 2588' 2590' 2592' 2594' 2596' 2598' 2600' 2602' 2604' 2606' 2608' 2610' 2612' 2614' 2616' 2618' 2620' 2622' 2624' 2626' 2628' 2630' 2632' 2634' 2636' 2638' 2640' 2642' 2644' 2646' 2648' 2650' 2652' 2654' 2656' 2658' 2660' 2662' 2664' 2666' 2668' 2670' 2672' 2674' 2676' 2678' 2680' 2682' 2684' 2686' 2688' 2690' 2692' 2694' 2696' 2698' 2700' 2702' 2704' 2706' 2708' 2710' 2712' 2714' 2716' 2718' 2720' 2722' 2724' 2726' 2728' 2730' 2732' 2734' 2736' 2738' 2740' 2742' 2744' 2746' 2748' 2750' 2752' 2754' 2756' 2758' 2760' 2762' 2764' 2766' 2768' 2770' 2772' 2774' 2776' 2778' 2780' 2782' 2784' 2786' 2788' 2790' 2792' 2794' 2796' 2798' 2800' 2802' 2804' 2806' 2808' 2810' 2812' 2814' 2816' 2818' 2820' 2822' 2824' 2826' 2828' 2830' 2832' 2834' 2836' 2838' 2840' 2842' 2844' 2846' 2848' 2850' 2852' 2854' 2856' 2858' 2860' 2862' 2864' 2866' 2868' 2870' 2872' 2874' 2876' 2878' 2880' 2882' 2884' 2886' 2888' 2890' 2892' 2894' 2896' 2898' 2900' 2902' 2904' 2906' 2908' 2910' 2912' 2914' 2916' 2918' 2920' 2922' 2924' 2926' 2928' 2930' 2932' 2934' 2936' 2938' 2940' 2942' 2944' 2946' 2948' 2950' 2952' 2954' 2956' 2958' 2960' 2962' 2964' 2966' 2968' 2970' 2972' 2974' 2976' 2978' 2980' 2982' 2984' 2986' 2988' 2990' 2992' 2994' 2996' 2998' 3000' 3002' 3004' 3006' 3008' 3010' 3012' 3014' 3016' 3018' 3020' 3022' 3024' 3026' 3028' 3030' 3032' 3034' 3036' 3038' 3040' 3042' 3044' 3046' 3048' 3050' 3052' 3054' 3056' 3058' 3060' 3062' 3064' 3066' 3068' 3070' 3072' 3074' 3076' 3078' 3080' 3082' 3084' 3086' 3088' 3090' 3092' 3094' 3096' 3098' 3100' 3102' 3104' 3106' 3108' 3110' 3112' 3114' 3116' 3118' 3120' 3122' 3124' 3126' 3128' 3130' 3132' 3134' 3136' 3138' 3140' 3142' 3144' 3146' 3148' 3150' 3152' 3154' 3156' 3158' 3160' 3162' 3164' 3166' 3168' 3170' 3172' 3174' 3176' 3178' 3180' 3182' 3184' 3186' 3188' 3190' 3192' 3194' 3196' 3198' 3200' 3202' 3204' 3206' 3208' 3210' 3212' 3214' 3216' 3218' 3220' 3222' 3224' 3226' 3228' 3230' 3232' 3234' 3236' 3238' 3240' 3242' 3244' 3246' 3248' 3250' 3252' 3254' 3256' 3258' 3260' 3262' 3264' 3266' 3268' 3270' 3272' 3274' 3276' 3278' 3280' 3282' 3284' 3286' 3288' 3290' 3292' 3294' 3296' 3298' 3300' 3302' 3304' 3306' 3308' 3310' 3312' 3314' 3316' 3318' 3320' 3322' 3324' 3326' 3328' 3330' 3332' 3334' 3336' 3338' 3340' 3342' 3344' 3346' 3348' 3350' 3352' 3354' 3356' 3358' 3360' 3362' 3364' 3366' 3368' 3370' 3372' 3374' 3376' 3378' 3380' 3382' 3384' 3386' 3388' 3390' 3392' 3394' 3396' 3398' 3400' 3402' 3404' 3406' 3408' 3410' 3412' 3414' 3416' 3418' 3420' 3422' 3424' 3426' 3428' 3430' 3432' 3434' 3436' 3438' 3440' 3442' 3444' 3446' 3448' 3450' 3452' 3454' 3456' 3458' 3460' 3462' 3464' 3466' 3468' 3470' 3472' 3474' 3476' 3478' 3480' 3482' 3484' 3486' 3488' 3490' 3492' 3494' 3496' 3498' 3500' 3502' 3504' 3506' 3508' 3510' 3512' 3514' 3516' 3518' 3520' 3522' 3524' 3526' 3528' 3530' 3532' 353			
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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 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.

<p>CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 634494.93' / Y: 427097.80' B - X: 635815.21' / Y: 427104.38' C - X: 635815.52' / Y: 419128.51' D - X: 634506.81' / Y: 419106.02'</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 593310.84' / Y: 427039.34' B - X: 594631.09' / Y: 427045.91' C - X: 594631.22' / Y: 419070.19' D - X: 593322.53' / Y: 419047.72'</p>	<p>SURFACE HOLE LOCATION 2371' FSL 431' FWL, SECTION 31 NAD 83, SPCS NM EAST X: 634926.20' / Y: 426801.65' LAT: 32.17299405N / LON: 104.03085400W NAD 27, SPCS NM EAST X: 593742.10' / Y: 426743.19' LAT: 32.17287120N / LON: 104.03036511W</p> <p>FIRST TAKE POINT 8,480 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635183.46' / Y: 426771.23' LAT: 32.17290845N / LON: 104.03002280W NAD 27, SPCS NM EAST X: 593999.35' / Y: 426712.77' LAT: 32.17278558N / LON: 104.02953397W</p> <p>LAST TAKE POINT 15,816 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635142.79' / Y: 419447.00' LAT: 32.15277521N / LON: 104.03022093W NAD 27, SPCS NM EAST X: 593958.50' / Y: 419388.68' LAT: 32.1526521N / LON: 104.02973275W</p> <p>BOTTOM HOLE LOCATION 15,865 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635142.95' / Y: 419397.79' LAT: 32.15263994N / LON: 104.03022084W NAD 27, SPCS NM EAST X: 593958.67' / Y: 419339.47' LAT: 32.15251683N / LON: 104.02973266W</p>	<p>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 hereby entered by the division.</p> <p>Signature: <i>[Signature]</i> Date: _____</p> <p>Printed Name: _____</p> <p>E-mail Address: _____</p> <p>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 and correct to the best of my belief.</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>PRELIMINARY THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION BIDDING, RECORDATION, CONVEYANCE, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT.</p> <p>Certificate Number: _____</p>
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NOTE: ALL DIMENSIONS IN U.S. FEET

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Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
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☐ 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 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.

<p>SURFACE HOLE LOCATION 2372' FSL 381' FVL, SECTION 31 NAD 83, SPCS NM EAST X:634876.16' / Y:426801.58' LAT:32.17299425N / LON:104.03101570W NAD 27, SPCS NM EAST X:593692.05' / Y:426743.12' LAT:32.17287140N / LON:104.03052685W</p> <p>CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 634494.93' / Y: 427097.80' B - X: 637144.11' / Y: 427111.01' C - X: 637140.03' / Y: 419151.27' D - X: 634506.81' / Y: 419106.02'</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 593310.84' / Y: 427039.34' B - X: 595959.96' / Y: 427052.51' C - X: 595955.70' / Y: 419092.94' D - X: 593322.53' / Y: 419047.72'</p>		<p>KICK OFF POINT 10,108 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:634857.61' / Y:426999.61' LAT:32.17353876N / LON:104.03107385W NAD 27, SPCS NM EAST X:593673.51' / Y:426941.15' LAT:32.17341592N / LON:104.03058496W</p> <p>FIRST TAKE POINT 10,601 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:634856.73' / Y:426769.60' LAT:32.17290650N / LON:104.03107879W NAD 27, SPCS NM EAST X:593672.63' / Y:426711.15' LAT:32.17278365N / LON:104.03058992W</p> <p>LAST TAKE POINT 17,964 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:634826.69' / Y:419441.56' LAT:32.15276272N / LON:104.03124237W NAD 27, SPCS NM EAST X:593642.41' / Y:419383.25' LAT:32.15263963N / LON:104.03075415W</p> <p>BOTTOM HOLE LOCATION 18,008 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:634822.68' / Y:419397.49' LAT:32.15264160N / LON:104.03125572W NAD 27, SPCS NM EAST X:593638.40' / Y:419339.18' LAT:32.1525185N / LON:104.03076751W</p>	
<p>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 heretofore entered by the division.</p> <p>Signature: <i>James Van Curen</i> Date: _____</p> <p>Printed Name: _____</p> <p>E-mail Address: _____</p>		<p>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 and correct to the best of my belief.</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Supervisor: _____</p> <p>Certificate Number: _____</p>	

NOTE: ALL DIMENSIONS IN U.S. FEET

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Santa Fe, NM 87505

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Revised August 1, 2011
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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 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. L (LOT 3)	Section 31	Township T24S	Range R29E	Lot Idn	Feet from the 2407	North/South line SOUTH	Feet from the 356	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M (LOT 7)	Section 6	Township T25S	Range R29E	Lot Idn	Feet from the 286	North/South line SOUTH	Feet from the 342	East/West line WEST	County EDDY
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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.

¹⁶ SECTION 25	SECTION 30	SECTION 29	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. Signature: <i>James Van Curen</i> Date: _____ Printed Name: _____ E-mail Address: _____
SECTION 36 SURFACE HOLE LOCATION 2407' FSL 356' FWL, SECTION 31 NAD 83, SPCS NM EAST Y426836.64 / X634851.12 LAT:32.17309082N / LON:104.03109628W NAD 27, SPCS NM EAST Y426778.18 / X593667.02 LAT:32.17296797N / LON:104.03060740W 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 FIRST TAKE POINT 9,880 MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST Y426769.36 / X634807.78 LAT:32.17290621N / LON:104.03117201W NAD 27, SPCS NM EAST Y426710.90 / X593623.67 LAT:32.17278336N / LON:104.03074813W SECTION 32 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 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			
SECTION 36 CROSSING 1 MEASURED DEPTH =10,276' CROSSING 2 MEASURED DEPTH =11,460' CROSSING 3 MEASURED DEPTH =12,409' CROSSING 4 MEASURED DEPTH =13,457' CROSSING 5 MEASURED DEPTH =16,763' FARTHEST MEASURED DEPTH =17,129' LTP BHL CALL 475.65 ACRE PRODUCING AREA	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	SECTION 5 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	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. Date of Survey: _____ Signature and State of Professional Surveyor: _____ PRELIMINARY THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, SALE, BIDDING, RECORDATION, OR ANY OTHER PURPOSE WITHOUT THE ISSUANCE OF A PERMIT. Certificate Number: _____

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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	⁶ Well Number 3H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	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:32.17309011N / LON:104.03077291W NAD 27, SPCS NM EAST Y:426778.20 / X:593767.08 LAT:32.17296726N / LON: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 / LON:104.02818867W NAD 27, SPCS NM EAST Y:426945.59 / X:594566.18 LAT:32.17342118N / LON: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 / LON:104.02807567W NAD 27, SPCS NM EAST Y:426715.76 / X:594601.78 LAT:32.17278912N / LON:104.02758694W</p>				<p>SECTION 29</p> <p>SECTION 32</p> <p>T-24-S</p> <p>T-25-S</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>Signature: <i>James F. Wa Cne</i> 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 / LON:104.02819345W NAD 27, SPCS NM EAST Y:419399.46 / X:594585.91 LAT:32.15267684N / LON:104.02770537W</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 / LON:104.02819061W NAD 27, SPCS NM EAST Y:419355.25 / X:594586.92 LAT:32.1525531N / LON:104.02770252W</p>				<p>SECTION 6</p> <p>SECTION 5</p> <p>NEAREST MEASURED DEPTH = 12,202'</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>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</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 12</p> <p>SECTION 7</p> <p>SECTION 8</p>				<p>SECTION 5</p> <p>SECTION 6</p> <p>SECTION 7</p> <p>SECTION 8</p>				<p>PRELIMINARY</p> <p>THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, OR AS EVIDENCE OF A PERMIT.</p> <p>Certificate Number: _____</p>							

NOTE; ALL DIMENSIONS IN U.S. FEET