

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 239326

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MARATHON OIL PERMIAN LLC 5555 San Felipe St. Houston, TX 77056		2. OGRID Number 372098
4. Property Code 318400		3. API Number 30-015-44332
5. Property Name SOUTHERN COMFORT 25 36 STATE X		6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	25	24S	28E		2490	S	2310	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	36	24S	28E	O	240	S	2323	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2916
16. Multiple N	17. Proposed Depth 17035	18. Formation Wolfcamp	19. Contractor	20. Spud Date 7/26/2017
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	400	450	0
Int1	12.25	9.625	36	2600	800	0
Prod	8.75	7	26	10500	1050	0
Liner1	6.125	4.5	13.5	17035	600	9400

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Shaffer
Double Ram	5000	5000	Shaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Randol C Tellkamp	Approved By: Raymond Podany
Title: Advanced Regulatory Compliance Rep	Title: Geologist
Email Address: rctellkamp@marathonoil.com	Approved Date: 7/24/2017 Expiration Date: 7/24/2019
Date: 7/24/2017 Phone: 713-296-4447	Conditions of Approval Attached

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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	³ Pool Name PURPLE SAGE WOLFCAMP (GAS)
⁴ Property Code	⁵ Property Name SOUTHERN COMFORT 25-36 STATE X	⁶ Well Number 1H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN, LLC	⁹ Elevation 2916

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
J	25	T24S	R28E		2490	SOUTH	2310	EAST	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
O	36	T24S	R28E		240	SOUTH	2323	EAST	EDDY

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R 14348
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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 23 SECTION 26 SURFACE HOLE LOCATION 2490' FSL 2310' FEL, SECTION 25 NAD 83, SPCS NH EAST Y432252.35' / X632241.72' LAT92.18799787N / LON104.03948203W NAD 27, SPCS NH EAST Y432153.82' / X591057.79' LAT92.18787533N / LON104.03999230W FIRST TAKE POINT 2310' FSL 2386' FEL, SECTION 25 NAD 83, SPCS NH EAST Y432072.21' / X632161.29' LAT92.18750331N / LON104.03974360W NAD 27, SPCS NH EAST Y432013.68' / X590977.36' LAT92.18738077N / LON104.03925308W SECTION 26 SECTION 35 LAST TAKE POINT 330' FSL 2323' FEL, SECTION 36 NAD 83, SPCS NH EAST Y424752.06' / X632176.50' LAT92.16738088N / LON104.03975772W NAD 27, SPCS NH EAST Y424693.68' / X590992.00' LAT92.16725809N / LON104.03926865W BOTTOM HOLE LOCATION 240' FSL 2323' FEL, SECTION 36 NAD 83, SPCS NH EAST Y424662.04' / X632177.29' LAT92.16713649N / LON104.03975724W NAD 27, SPCS NH EAST Y424603.66' / X590993.19' LAT92.16701370N / LON104.03926818W T-24-S SECTION 35 T-25-S SECTION 2 CORNER COORDINATES NAD 83, SPCS NH EAST A - Y: 432425.89 / X: 631832.26 B - Y: 432426.06 / X: 63168.62 C - Y: 424424.87 / X: 633174.60 D - Y: 424421.13 / X: 631848.34	SECTION 24 SECTION 25 SECTION 30 SECTION 30 SECTION 31 SECTION 36 SECTION 1 SECTION 6 CORNER COORDINATES NAD 27, SPCS NH EAST A - Y: 432367.36 / X: 590648.35 B - Y: 432367.51 / X: 591984.68 C - Y: 424366.48 / X: 591990.47 D - Y: 424362.76 / X: 590664.24	" 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. <i>Signature</i> <i>7/24/2017</i> Date MELISSA SZUDERA Printed Name MSZUDERA@MARATHONOIL.COM E-mail Address "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. JULY 12, 2017 Date of Survey Signature and Seal of Professional Surveyor LLOYD P. SHORT Certificate Number LLOYD P. SHORT 21653
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Form APD Comments

Permit 239326

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44332
		Well: SOUTHERN COMFORT 25 36 STATE X #001H

Created By	Comment	Comment Date
ksharp	Name of well on C101 does not match name of well on C102	7/24/2017
ksharp	Well name on C101 does not match well name on C102	7/24/2017

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Form APD Conditions

Permit 239326

PERMIT CONDITIONS OF APPROVAL

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		Well: SOUTHERN COMFORT 25 36 STATE X #001H
OCD Reviewer	Condition	
RPodany	Will require a directional survey with the C-104	
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing	
RPodany	NSP required.	