

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. 30-015-42733
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 CASS 16 STATE
8. Well Number 2H
9. OGRID Number 372098
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)

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 checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator MARATHON OIL PERMIAN, LLC	
3. Address of Operator 5555 SAN FELIPE STREET HOUSTON, TX 77056	

4. Well Location Unit Letter H : 1650 feet from the NORTH line and 240 feet from the EAST line Section 17 Township 23S Range 27E NMPM County EDDY	
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 checked="" 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: EXTEND PERMIT <input 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 RESPECTFULLY REQUESTS TO CHANGE THIS CASING DESIGN FROM 3 CASING STRINGS TO 3 CASINGS STRINGS PLUS A PRODUCTION LINER TO ENSURE WELL DESIGN ALLOWS US TO REACH WOLFCAMP TARGET IN A SAFE MANNER.
SEE ATTACHMENTS FOR PRIOR APPROVED CASING AND CEMENT PROGRAM AND THE PROPOSED CASING AND CEMENT PRORAM ALONG WITH REASONING FOR THE CHANGE.

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 Melissa Szudera TITLE REGULATORY COMPLIANCE REP DATE JULY 18, 2017
Type or print name MELISSA SZUDERA E-mail address: MSZUDERA@MARATHONOIL.COM PHONE: 701-260-7272
For State Use Only

APPROVED BY: Raymond J. Rodary TITLE Geologist DATE 7-19-17
Conditions of Approval (if any):

Well Name: Cass 16 State 2H

API Number: 30-015-42733

Proposed Change: Drill well using three casing strings plus a production instead of three casing strings as per original permit.

Reason for change: Revised formation tops require some adjustments to surface and intermediate I casing points. In order to reach well objective in a safe manner, we will propose to set 7" production casing at the top of the Wolfcamp and drill 6 1/8" curve and lateral and run a production liner.

Current Well design:

" Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	16"	13 3/8"	48#	580'	660	0'
Intermediate	12 1/4"	9 5/8"	36#	2650'	850	0'
Production	8 1/2"	5 1/2"	17#	14,543'	2700	2500'

Proposed Well design:

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	54.5	400'	500	0'
Intermediate I	12 1/4"	9 5/8"	40	1,960'	700	0'
Production	8 3/4"	7"	29	9,000'	920	0'
Liner	6 1/8"	4 1/2"	13.5	14,127'	600	8,400'