

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)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,164' GL

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 Gas Well 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 H : 1649 feet from the North line and 315 feet from the East line
 Section 17 Township 23S Range 27E NMPM County Eddy

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: <input type="checkbox"/>		OTHER: Casing and Cement <input checked="" 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.

/20/17 MIRU Spud well on 7/23/17. Drill 17.5" surface to 445', circulate, NMOCD notified of csg and cmt jobs, run 13 3/8" csg to 437', cement casing. Install well head, NU, test BOP, annular 250 low and 5000 high, test good. Tested casing at 1500 psi for 30 min with 0% drop. Drill 12 1/4" hole to 1972' and NMOCD notified of csg and cmt jobs, run 9.625" casing to 1963' and cement and pressure test. Drilled 8 3/4" hole to 9145', run 7" casing to 9133', cement and pressure test. Install pack off and test casing. Drill 6 1/8" lateral, NMOCD notified of csg and cmt jobs, run 4.5" casing and pressure test. Rig released 8/16/17

NM OIL CONSERVATION
 ARTESIA DISTRICT

DEC 04 2017

RECEIVED

Spud Date: 7/23/2017

Rig Release Date: 8/16/2017

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 DATE 11/21/17
 Type or print name Jennifer Van Curen E-mail address: jvancuren@marathonoil.com PHONE: 713-296-2500

For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 12-5-17
 Conditions of Approval (if any):

Cass 16 State 2H Casing and Cement Operations

Casing detail	Surface	Intermediate	Production	Liner
Date	7/23/2017	7/26/2017	8/2/2017	8/14/2017
Hole size	17.5	12.25	8.75	5.5
Casing size	13.375	9.625	7	4.5
Weight	54.5	40	29	13.5
Type	J55	J55	P110 IC	P110
Thread	BTC	BTC	TXP	BTC
Depth (MD)	445	1974	9133	14080
Amount jnts	10	45	209	138
Cement detail				
Date	7/24/2017	7/26/2017	8/3/2017	8/14/2017
Top depth KB	25	25	25	8300
Bottom depth KB	445	1974	9133	14080
Lead sks		520	550	570
Tail sks	500	180	140	
Gel spacer	20	20	20	40
Cement yield	1.6	1.82	3.45	1.24
Class	C	C	C	C
Circulate to surface (SKS)	175	139	0.8	160
WOC to 500 psi	7	7.5	8	16
Top meas. method	Circulate	Circulate	Circulate	Circulate
TOC	Surface	Surface	25'	8300
Pressure testing				
Date	7/24/2017	7/27/2017	8/4/2017	10/7/2017
PSI beginning	1500	1500	2634	2075
Time	30	30	30	30
PSI end	1500	1380	2583	2046
PSI dropped	0	120	51	29