

ATTN Rusty

**CONFIDENTIAL**

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- <del>74730</del> <b>44370</b>
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 4H
9. OGRID Number 372098
10. Pool name or Wildcat Forehand ranch
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,160' GLE

**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 E : 2018 feet from the North line and 256 feet from the West line  
Section 16 Township 23S Range 27E NMPM County Eddy

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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 checked="" type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <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.

MIRU 8/16/17. Spud 8/18/17. Notified OCD. Drill 17.5" hole to 460', TOH, run 13.375" csg, cement, NU BOP, pres test BOP, pres test csg. Drill 12.25" hole to 1985', Circ TOH, run 9.625 csg, cement, pres test csg. Drill 8.75" hole to 11830', TOH, run 5.5 csg, cement, pressure test csg. RDMO ~~8/30/18~~

8-30-2017

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 08 2018

RECEIVED

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 DATE 1/31/18

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 1-19-18  
Conditions of Approval (if any):

**Cass 16 State 4H - Casing and Cement Operations**

<b>Casing detail</b>	<b>Surface</b>	<b>Intermediate</b>	<b>Production</b>
Date	8/18/2017	8/21/2017	8/29/2017
Hole size	17.5	12.25	8.75
Casing size	13.375	9.625	5.5
Weight	54.5	40	20
Type	J55	L80-IC	P110-IC
Thread	Buttress	Buttress	TXP
Depth (MD)	422.1	1949.7	11790.5
Amount jnts	10	45	272
<b>Cement detail</b>	<b>Surface</b>	<b>Intermediate</b>	<b>Production</b>
Date	8/19/2017	8/21/2017	8/29/2017
Top depth KB	25	25	464
Bottom depth KB	460	1985	11815.5
Lead sks	0	520	660
Yield		1.82	3.46
Tail sks	500	180	1410
Yield	1.6	1.32	1.24
Gel spacer	20	10	50
Class	C	C	C
Circulate to surface (sks)	231	203	60
WOC to 500 psi	6	15	40
Top meas. method	Circulated	Circulated	Estimated
TOC	25	25	464
<b>Pressure testing</b>	<b>Surface</b>	<b>Intermediate</b>	<b>Production</b>
Date	8/20/2017	8/21/2017	8/29/2017
PSI	1500	1520	1500
Time (min)	30	30	30
Bled off	50	15	
Drop	3%	1%	0%
Good test	Yes	Yes	Yes