

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. 30-015-43869
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 <b>Cass 16 State</b>
8. Well Number <b>3H</b>
9. OGRID Number 372098
10. Pool name or Wildcat <b>Purple Sage; Wolfcamp</b>

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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	
2. Name of Operator <b>Marathon Oil Permian, LLC.</b>	
3. Address of Operator <b>5555 San Felipe Street, Houston, TX 77056</b>	
4. Well Location Unit Letter <b>E</b> : <b>1983</b> feet from the <b>North</b> line and <b>126</b> feet from the <b>West</b> line Section <b>16</b> Township <b>23S</b> Range <b>27E</b> NMPM County <b>Eddy</b>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3160</b>	

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 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 6/26/2017 Spud well on 7/1/2017. Drill 17.5" surface to 432', circulate, NMOCD notified of csg and cmt jobs, run 13 3/8" csg to 417', cement casing. Install well head, NU, test BOP, annular 250 low and 2500 high, test good. Tested casing at 1200 psi for 30 min with 0% drop. Drill 12 1/4" hole to 1975' and NMOCD notified of csg and cmt jobs, run 9.625" casing to 1964' and cement and pressure test. Drilled 8 3/4" hole to 9057', run 7" casing to 9045.5', 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 7/20/2017.

See attachment for additional cement and casing information.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 04 2017

RECEIVED

Spud Date: **7/1/2017**

Rig Release Date: **7/20/2017**

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 11/27/2017

Type or print name Melissa Szudera E-mail address: mszudera@marathonoil.com PHONE: 713-296-3179

**For State Use Only**

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

**Cass 16 State 3H - Casing and Cement Operations**

<b>Casing detail</b>	<b>Surface</b>	<b>Intermediate 1</b>	<b>Intermediate 2</b>	<b>Liner</b>
Date	7/1/2017	7/4/2017	7/10/2017	7/18/2017
Hole size	17.5	12.25	8.75	6.125
Casing size	13.375	9.625	7	4.5
Weight	48	40	29	13.5
Type	J55	J55	P110-IC	P-110
Thread	STC	BTC	TXP	BTC
Depth (MD)	417	1964	9045.5	13775
Amount jnts	9	45	213	127
<b>Cement detail</b>	<b>Surface</b>	<b>Intermediate 1</b>	<b>Intermediate 2</b>	<b>Liner</b>
Date	7/1/2017	7/4/2017	7/10/2017	7/19/2017
Top depth KB	25	25	25	8426.8
Bottom depth KB	432	1975	9057	13777
Lead sks	0	558	700	0
Tail sks	500	1338	45	552
Gel spacer	20	20	20	20
Class	C	C	C	Versacem
Circulate to surface (bbls)	55	76	60	30
WOC to 500 psi		10	6	5.5
Top meas. method	Circulated	Circulated	Circulated	Circulated
TOC	25	25	25	8426.8
<b>Pressure testing</b>	<b>Surface</b>	<b>Intermediate 1</b>	<b>Intermediate 2</b>	<b>Liner</b>
Date	7/2/2017	7/4/2017	7/11/2017	7/19/2017
PSI	1200	1500	2514	2190
Time (min)	30	30	30	30
Bled off	0%	0%	9.50%	0%
Good test	Yes	Yes	Yes	Yes