

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 Cass 16 State |
| 8. Well Number 3H |
| 9. OGRID Number 372098 |
| 10. Pool name or Wildcat Purple Sage; Wolfcamp |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3160 |

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 Street, Houston, TX 77056

4. Well Location
Unit Letter **E**: **1983** feet from the **North** line and **126** 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

| | | | |
|--|---|---|--|
| 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 06 2017

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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: msszudera@marathonoil.com PHONE: 713-296-3179

For State Use Only

APPROVED BY: [Signature] TITLE: Staff Mgr DATE 12-8-17
 Conditions of Approval (if any):

| Cass 16 State 3H - Casing and Cement Operations | | | | |
|---|------------|------------|------------|------------|
| Casing detail | | | | |
| 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 |
| Cement detail | | | | |
| 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 |
| Pressure testing | | | | |
| 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 |

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