

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88201
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

CONFIDENTIAL

Form C-105
Revised April 3, 2017

Artesia District

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

DEC 04 2017

RECEIVED

1. WELL API NO.
30-015-43869

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.

4. Reason for filing:
☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)
☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name
Cass 16 State

6. Well Number:
3H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator
Marathon Oil Permian LLC

9. OGRID
372098

10. Address of Operator
5555 San Felipe St., Houston, TX 77056

11. Pool name or Wildcat
Purple Sage; Wolfcamp (Gas)

12. Location
Surface: Unit Ltr E Section 16 Township 23S Range 27E Feet from the 1988' N/S Line N Feet from the 256' E/W Line W County Eddy
BH: H 16 23S 27E 1985' N 240' 34' E Eddy

13. Date Spudded 7/1/2017 14. Date T.D. Reached 7/18/2017 15. Date Rig Released 7/20/2017 16. Date Completed (Ready to Produce) 10/21/2017 10-18-2017 17. Elevations (DF and RKB, RT, GR, etc.) 3160'

18. Total Measured Depth of Well 13,777' 19. Plug Back Measured Depth 13,731' 20. Was Directional Survey Made? Yes 21. Type Electric and Other Logs Run Gamma and Mud

22. Producing Interval(s), of this completion - Top, Bottom, Name
???

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48.00	417.0'	17 1/2"	500	55
9 5/8"	40.0	1964.0'	12 1/4"	692	76
7"	29.00	9,045.5'	8 3/4"	745	60
4.5"	16.34	13,775'	6 1/8"	552	30

24. LINER RECORD

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4.5"	8,442.3'	13,775'	552				

26. Perforation record (interval, size, and number)
Interval: 9,289' - 13,647'
Size: 0.36"
Number: 900

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL
9,289' - 13,647'
AMOUNT AND KIND MATERIAL USED
1,107 bbls. - 15% HCl Acid
11,000,445 lbs. - Propants, Sand

28. PRODUCTION

Date First Production 10/21/2017 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing

Date of Test 10/28/2017 Hours Tested 24 Choke Size Prod'n For Test Period Oil - Bbl 808 Gas - MCF 1707 Water - Bbl. 4041 Gas - Oil Ratio

Flow Tubing Press. 685 Casing Pressure 580 Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

30. Test Witnessed By

31. List Attachments
Directional, PVA Plot, Geological Tops, As-Drilled Plat

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature [Signature] Printed Name Melissa Szudera Title Regulatory Compliance Rep Date 11/27/2017

E-mail Address mszudera@marathonoil.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 469	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 1740	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs 6513	T. Todilto	
T. Abo	T. Brushy Canyon 3925	T. Entrada	
T. Wolfcamp 8897	T. Bell Canyon 2096	T. Wingate	
T. Penn	T. Lamar 1964	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Geological Tops

Cass 16 State 3H

Surface	0'
Rustler	110'
Salado	250'
Castile	450'
Base Salt	1800'
Lamar	1975'
Delaware Sands (Bell Canyon)	2100'
Cherry Canyon	2815'
Brushy Canyon	3975'
Bone Spring Lime	5450'
FBSG Sand	6575'
2nd Carbonate	6750'
SBSG Sand	7050'
3rd Carbonate	7225'
TBSG Sand	8550'
Wolfcamp	8950'

10