

Form C-105
Revised April 3, 2017

RECEIVED

JUL 30 2018

NEW MEXICO CONSERVATION DISTRICT

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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)

7. Type of Completion:

☒ **NEW WELL** ☐ **WORKOVER** ☐ **DEEPENING** ☐ **PLUGBACK** ☐ **DIFFERENT RESERVOIR** ☐ **OTHER**

8. Name of Operator
Marathon Oil Permian LLC

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

1. WELL API NO.
30-015-44456

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

3. State Oil & Gas Lease No.

5. Lease Name or Unit Agreement Name
BLACK RIVER 15 10 STATE COM X

6. Well Number:
7H

9. OGRID
372098

11. Pool name or Wildcat
PURPLE SAGE; WOLFCAMP

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	15	24S	27E		270	FSL	2038	FEL	EDDY
BH:	B	10	24S	27E		287	FNL	1796	FEL	EDDY

13. Date Spudded
1/13/2018

14. Date T.D. Reached
3/27/2018

15. Date Rig Released
3/31/2018

16. Date Completed (Ready to Produce)
7/10/2018

17. Elevations (DF and RKB, RT, GR, etc.)
3229' GR

18. Total Measured Depth of Well
19,683' 19850

19. Plug Back Measured Depth

20. Was Directional Survey Made?
YES

21. Type Electric and Other Logs Run
MUD GR

22. Producing Interval(s), of this completion - Top, Bottom, Name
9,899' - 19,605'; WOLFCAMP

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"	54.5 J55	450'	17 1/2"	605 C	295
9 5/8"	36 J55	2,313'	12 1/4"	685 C	204
7"	29 P110	9,124'	8 3/4"	735 C	108

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4.5"	8,866'	19,677'	1,090 C	
6.125" P110				

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)
9,899' - 19,605'; 0.36"; 1,824 total shots

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9,899' - 19,605'	19,811,280 lbs - 40/70; 100 Mesh
	920 bbls - 15% HCl Acid

28. PRODUCTION

Date First Production 7/13/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Producing	
Date of Test 7/24/2018	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 721	Gas - MCF 1596
Flow Tubing Press. 0	Casing Pressure 1247	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

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

Printed Name **Adrian Covarrubias**

Title **CTR - Technician HES**

Date **7/26/2018**

E-mail Address **acovarrubias@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	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	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	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	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

Black River 15 10 State Com X 7H

Surface	0
Salado	660
Castile	660
Base Salt	2172
Lamar	2312
Delaware Sands (Bell Canyon)	2383
Cherry Canyon	3137
Brushy Canyon	4228
Bone Spring	5784
FBSG Sand	6786
SBSG Sand	7385
TBSG Sand	8742
Wolfcamp	9100



Wellbore Schematic

Well Name: BLACK RIVER 15 10 STATE COM X 7H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.210726	Longitude (°) -104.176052
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,229.00	KB-Ground Distance (ft) 26.50		

HORIZONTAL - BLACK RIVER 15 10 STATE COM X 7H, 4/12/2018 2:25:05 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
-1.0	-3.0	0.3	Des: Conductor Cement, Depth MD:26.5-44.0 ftKB, Date:1/1/2018 Des: Surface Casing Cement, Depth MD:26.5-450.0 ftKB, Date:1/13/2018 Des: Intermediate Casing Cement, Depth MD:26.5-2,312.6 ftKB, Date:3/11/2018 Des: Intermediate Casing Cement, Depth MD:26.5-9,124.0 ftKB, Date:3/15/2018 Des: Production Casing Cement, Depth MD:8,800.0-19,677.0 ftKB, Date:3/30/2018 No. 1, Des: Conductor 1; OD:20.000 in; ID:19.000 in; Depth MD:26.5-44.0 ftKB; Length:17.50 ft No. 2, Des: Surface; OD:13.375 in; ID:12.615 in; Depth MD:26.5-450.0 ftKB; Length:423.50 ft No. 3, Des: Intermediate 1; OD:9.625 in; ID:8.921 in; Depth MD:26.5-2,312.6 ftKB; Length:2,286.10 ft No. 4, Des: Intermediate 2; OD:7.000 in; ID:6.184 in; Depth MD:26.5-9,124.0 ftKB; Length:9,097.50 ft No. 5, Des: Production 1; OD:4.500 in; ID:3.920 in; Depth MD:8,865.9-19,677.0 ftKB; Length:10,811.06 ft
3.9	3.9	0.3	
25.9	25.9	0.3	
26.2	26.2	0.3	
26.6	26.6	0.3	
26.9	26.9	0.3	
27.2	27.2	0.3	
44.0	44.0	0.3	
70.9	70.9	0.3	
406.1	406.1	1.8	
407.4	407.4	1.8	
448.1	448.1	1.7	
450.0	450.0	1.7	
2,311.0	2,309.7	1.4	
2,311.4	2,311.4	1.4	
8,792.9	8,792.9	5.0	
8,858.6	8,858.6	4.7	
8,874.9	8,874.9	4.7	
8,877.5	8,877.5	4.7	
8,878.9	8,878.9	4.7	
8,884.1	8,884.1	4.7	
8,885.7	8,885.7	4.7	
9,030.3	9,030.3	4.6	
9,031.6	9,031.6	4.6	
9,072.8	9,072.8	4.6	
9,114.2	9,114.2	5.9	
9,115.9	9,115.9	5.9	
9,826.7	9,826.7	90.5	
9,826.5	9,826.5	90.3	
9,843.5	9,843.5	90.5	
9,843.5	9,843.5	89.2	
9,843.9	9,843.9	88.4	
9,844.0	9,844.0	88.4	
9,845.1	9,845.1	88.4	
9,845.2	9,845.2	88.4	

Directions to Well: