

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

RECEIVED
MAY 17 2018
DISTRICT IV
ARTESIA O.C.D.

Form C-105
Revised April 3, 2017

1. WELL API NO.
30-015-44492

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

3. State Oil & Gas Lease No.

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)

5. Lease Name or Unit Agreement Name
RED LIGHT STATE COM 23 26 27 WXY

6. Well Number:
18H

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

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	27	23S	26E		302	FNL	704	FEL	EDDY
BH:	H	34	23S	26E		2326	FNL	371	FEL	EDDY

13. Date Spudded 12/9/2017	14. Date T.D. Reached 1/31/2018	15. Date Rig Released 2/3/2018	16. Date Completed (Ready to Produce) 4/15/2018	17. Elevations (DF and RKB, RT, GR, etc.) 3,284' GR
18. Total Measured Depth of Well 16,019'	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
9,128' - 15,926'; Wolfcamp

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	477'	17 1/2"	419 C	171
9 5/8"	40 J55	1,960'	12 1/4"	875 C	330
7"	29 P110	9,105'	8 3/4"	1,085 C	0.38

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	8,020'	16,004'	771 C	
6.125'	135 P110			

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)
9,128' - 15,926'; 0.36 in.; 1350 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9,128' - 15,926'	17,412,320 lbs - 40/70; 100 Mesh
	946 bbls - 15% HCl Acid

PRODUCTION

Date First Production 4/23/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Producing			
Date of Test 5/3/2018	Hours Tested 24	Choke Size 38	Prod'n For Test Period	Oil - Bbl 218	Gas - MCF 1190	Water - Bbl. 5479	Gas - Oil Ratio
Flow Tubing Press. 0	Casing Pressure 875	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
[Signature]

Printed Name
Adrian Covarrubias

Title
Environmental Engineer

Date
5/8/2018

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. 3, from.....to.....

No. 2, 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

Red Light 23 26 27 WXY 18H

Surface	0
Castile	598
Base Salt	1586
Lamar	1787
Delaware Sands (Bell Canyon)	1956
Cherry Canyon	2649
Brushy Canyon	3651
Bone Spring	5260
FBSG Sand	6146
SBSG Sand	6562
TBSG Sand	8251
Wolfcamp	8647
Wolfcamp X	8655
Wolfcamp Y	8723

Red Light State Com 23 26 27 WXY 18H - Casing and Cement Operations				
Casing detail	Surface	Intermediate	Production	Liner
Date	12/9/2017	1/18/2018	1/24/2018	2/1/2018
Hole size	17 1/2"	12 1/4"	8 3/4"	6 1/8"
Casing size	13 3/8"	9 5/8"	7"	4 1/2"
Weight	54.5	40	29	13.5
Type	J55	J55	P110IC	P-110IC
Thread	BTC	BT&C	TXP BT&C	BT&C
Depth (MD)	477	1960	9105	16,004
Amount jnts	11	48	200	181
Cement detail	Surface	Intermediate	Production	Liner
Date	12/10/2017	1/18/2018	1/25/2018	2/2/2018
Top depth KB	26.5	26.5	26.5	8,020
Bottom depth KB	490	1960	9115	16019
Lead sks	419	670	885	
Yield	1.7	1.78	2.16	
WOC to 500 psi	7:44 hrs	8:18 hrs	11:41 hrs	
Tail sks		205	200	771
Yield		1.33	1.16	1.22
WOC to 500 psi		6:17 hrs	9:10 hrs	17:35 hrs
Gel spacer	20 bbls	20 bbls	20 bbls	
Super Flush			23 bbls	
Fresh Water Spacer			20 bbls	
Tuned Spacer				50 bbls
Class	C	C	C	C
Circulate to surface (sks)	171	330	0.38	69
Top meas. method	Circulate	Circulate	Circulate	Circulate
TOC	4	26.5	26.5	8020
Pressure testing	Surface	Intermediate	Production	Liner
Date	1/17/2018	1/19/2018	1/26/2017	2/2/2018
PSI	1500	1500	4033	3200
Time (min)	30	30	30	30
Bled off	0	0	106	0
Drop	0%	0%	3%	0%
Good test	Yes	Yes	Yes	Yes

**NM OIL CONSERVATION
ARTESIA DISTRICT**

FEB 20 2018

RECEIVED



Wellbore Schematic

Well Name: RED LIGHT STATE COM 23 26 27 WXY 18H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.281775	Longitude (°) -104.274015
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,284.00	KB-Ground Distance (ft) 26.50		

HORIZONTAL - RED LIGHT STATE COM 23 26 27 WXY 18H, 2/15/2018 12:30:40 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
26.6	26.6	1.0	Des:Conductor Cement; Depth MD:26.5-146.5 ftKB; Date:12/1/2017 Des:Surface Casing Cement; Depth MD:26.5-490.0 ftKB; Date:12/10/2017 No.:1; Des:Conductor 1; OD:20.000 in; ID:19.000 in; Depth MD:26.5-146.5 ftKB; Length:120.00 ft No.:2; Des:Surface; OD:13.375 in; ID:12.615 in; Depth MD:31.0-477.0 ftKB; Length:446.00 ft Des:Intermediate Casing Cement; Depth MD:26.5-1,960.0 ftKB; Date:1/19/2018 No.:3; Des:Intermediate 1; OD:9.625 in; ID:8.835 in; Depth MD:30.0-1,960.0 ftKB; Length:1,929.99 ft Des:Intermediate Casing Cement; Depth MD:26.5-9,115.0 ftKB; Date:1/25/2018 No.:4; Des:Intermediate 2; OD:7.000 in; ID:6.184 in; Depth MD:29.0-9,105.0 ftKB; Length:9,076.04 ft Des:Liner Cement; Depth MD:8,019.8-16,019.0 ftKB; Date:2/2/2018 No.:5; Des:Liner 1; OD:4.500 in; ID:3.920 in; Depth MD:8,019.8-16,004.0 ftKB; Length:7,984.23 ft
28.9	28.9	1.0	
29.9	29.9	1.0	
30.8	30.9	1.0	
31.8	31.8	1.0	
146.7	146.6	1.0	
433.4	433.3	0.9	
434.7	434.7	0.9	
475.4	475.3	0.8	
477.0	477.0	0.8	
490.2	490.1	0.8	
1,917.3	1,915.9	2.6	
1,919.0	1,917.5	2.6	
1,958.3	1,956.8	2.5	
1,960.0	1,958.5	2.5	
8,019.7	8,006.7	1.8	
8,038.7	8,025.8	1.8	
8,039.4	8,026.4	1.8	
8,044.9	8,032.0	1.8	
8,046.6	8,033.6	1.9	
9,009.2	8,720.4	76.8	
9,010.5	8,720.7	76.9	
9,103.3	8,734.1	83.5	
9,105.0	8,734.3	83.5	
9,115.2	8,735.2	83.9	
12,567.1	8,729.6	88.9	
12,567.3	8,729.7	89.1	
15,951.4	8,730.5	93.2	
15,954.4	8,730.3	93.2	
16,002.0	8,727.7	93.2	
16,003.9	8,727.6	93.2	
16,019.0	8,726.7	93.2	

Directions to Well: FROM THE INTERSECTION OF U.S. HIGHWAY 62/WEST GREENE STREET AND U.S. 180 W./U.S. 62 W./S. CANAL STREET IN CARLESBAD, NEW MEXICO, TRAVEL SOUTH ON U.S. 62 W./S. CANAL STREET TOWARD W. TANSILL ST. FOR 2.0 MILES CONTINUE STRAIGHT TO US 62/180 W FOR 9.0 MILESTO SKINNER RD / CO RD 771 ON THE LEFT. TRAVEL SOUTHEAST ON SKINNER RD / CO RD 771 FOR 0.5 MILES TO A LEASE ROAD ON LEFT. TRAVEL NORTHEAST ON THE LEASE ROADFOR 0.5 MILES TO AN EXISTING WELL PAD IN WHICH PROPOSED WELL PAD IS PROPOSED TO BE 2.126' TO THE NORTHEAST OF EXISITNG PAD.