

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. 30-025-43610
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name GRAMA RIDGE 8 STATE
8. Well Number 5H
9. OGRID Number 372098
10. Pool name or Wildcat GRAMA RIDGE; BONE SPRINGS, WEST

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 St., Houston, TX 77056

4. Well Location
Unit Letter O : 250 feet from the SOUTH line and 1995 feet from the EAST line
Section 8 Township 22S Range 34E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,536' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☒	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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, Spud 8/6/2017. Drill 17.5" hole to 1,685', run 13 5/8" csg, cement casing, NU BOP, pressure test annular (250/2500), rams (250/5000), valves (250/5000), choke manifold (250/5000), back to pumps (250/6500). Pressure test casing to 1500 psi for 30 min, 15 psi drop, test good. Drill 12 1/4" hole to 5,030', run 9 5/8" csg, cement casing, pressure tests casing to 1500 psi for 30 min, held, test good. Drill 8 3/4" hole to 15,044', run 5 1/2" casing, cement casing. PU equipment, RDMO. 8/23/2017. Pressure test 5 1/2" casing to 9500 psi for 30 min, held, test good.

Spud Date:

8/6/2017

Rig Release Date:

8/23/2017

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jennifer Van Curen TITLE Sr. Regulatory Compliance Representative DATE 3/14/2018

Type or print name Jennifer Van Curen E-mail address: jvancuren@marathonoil.com PHONE: 713-296-2500

For State Use Only

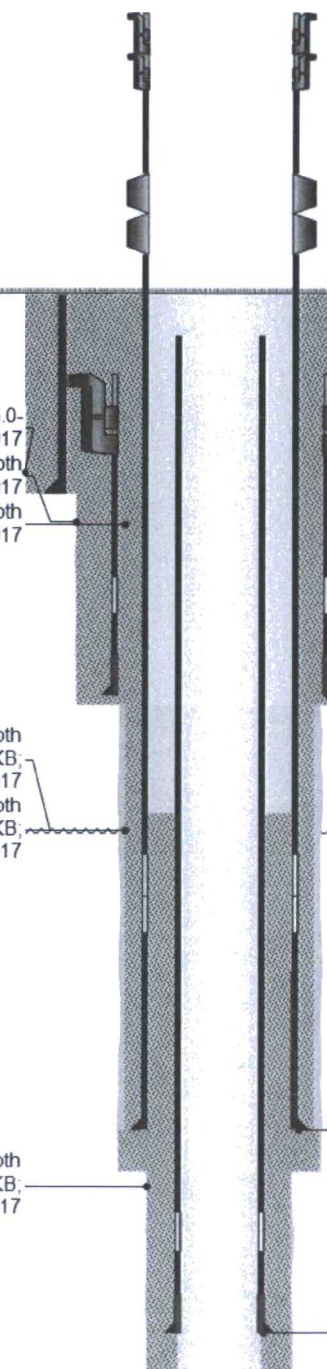
APPROVED BY: Karen Sharp TITLE Staff Mgr DATE 3-19-18
Conditions of Approval (if any):

Wellbore Schematic

Well Name: GRAMA RIDGE 8 STATE 5H

State/Province NEW MEXICO	Prospect Area RANGER	Field Name GRAMA RIDGE WEST	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.399454	Longitude (°) -103.489523
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status COMPLETION	Ground Elevation (ft) 3,536.00	KB-Ground Distance (ft) 25.00		

HORIZONTAL - GRAMA RIDGE 8 STATE 5H, 3/14/2018 11:23:56 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)	
-4,962.3	-4,961.3	1.1		
-4,961.3	-4,960.3	1.1		
-4,960.0	-4,959.0	1.1		
-3,211.9	-3,211.3	1.1		
-1,463.6	-1,463.3	1.1		
-1,439.6	-1,439.3	1.1		
-1,416.0	-1,415.7	1.1		
24.9	25.0	1.1		
27.2	27.3	1.1		
28.9	28.9	1.1		
29.2	29.2	1.1	Des. Conductor Cement, Depth MD:25.0-145.0 ftKB; Date:7/1/2017	
30.8	30.9	1.1	Des. Surface Casing Cement, Depth MD:25.0-1,675.0 ftKB; Date:8/8/2017	
145.0	145.0	1.1	Des. Intermediate Casing Cement; Depth MD:25.0-1,800.0 ftKB; Date:8/11/2017	
1,150.6	1,150.4	1.1	No. 1; Des. Conductor 1; OD:20.000 in; ID:19.000 in; Depth MD:25.0-145.0 ftKB; Length:120.00 ft	
1,589.9	1,589.6	1.1		
1,591.5	1,591.3	1.1		
1,673.6	1,673.3	1.1		
1,674.9	1,674.6	1.1		
1,715.2	1,714.9	1.1	Des. Intermediate Casing Cement, Depth MD:1,800.0-5,017.0 ftKB; Date:8/11/2017	
1,799.9	1,799.6	1.0	Des. Intermediate Casing Cement, Depth MD:1,800.0-5,017.0 ftKB; Date:8/11/2017	
2,456.0	2,455.7	0.8	No. 2; Des. Surface; OD:13.375 in; ID:12.615 in; Depth MD:28.9-1,675.0 ftKB; Length:1,646.13 ft	
4,846.5	4,845.5	1.7		
4,847.8	4,846.8	1.7		
4,849.4	4,848.4	1.7		
4,890.1	4,889.1	1.8		
4,931.5	4,930.7	1.9	No. 3; Des. Intermediate 1; OD:9.625 in; ID:8.835 in; Depth MD:4,962.4-5,017.0 ftKB; Length:9,979.42 ft	
5,014.1	5,013.0	1.7		
5,015.4	5,014.4	1.7		
5,017.1	5,016.0	1.7		
5,029.9	5,028.8	1.7		
14,902.4	10,668.2	92.6	Des. Production Casing Cement, Depth MD:2,456.0-15,044.0 ftKB; Date:8/22/2017	
14,903.4	10,668.1	92.6	No. 4; Des. Production 1; OD:5.500 in; ID:4.778 in; Depth MD:27.3-15,025.0 ftKB; Length:14,997.72 ft	
15,002.6	10,663.4	93.2		
15,004.9	10,663.3	93.2		
15,044.0	10,662.2	93.2		

Directions to Well: Take Highway 62/180 from Carlsbad, NM west toward Hobbs, NM to Highway 176. Go east on Highway 176 to mile marker 19. Turn south on lease road and drive 7.5 miles to a Y and stay to the left. Go 0.1 miles and turn left. Go 0.5 miles to Grama Ridge 8 State #3H location and turn right. Go 0.2 miles to Grama Ridge 8 State 5H location.