

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 073 25322 A

Approval Date: 06/16/2016  
Expiration Date: 12/16/2016

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION; UPDATE ORDER;  
CORRECT FM. NAME

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 16N Rge: 7W County: KINGFISHER  
SPOT LOCATION:  SE  NE  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 904 1454

Lease Name: FIRESTONE Well No: 1-16MH Well will be 904 feet from nearest unit or lease boundary.  
Operator Name: MARATHON OIL COMPANY Telephone: 7132962003 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
5555 SAN FELIPE ST  
HOUSTON, TX 77056-2701

DONALD JOE AND PATRICIA FIRESTONE  
RT 3 BOX 103  
CHICKASHA OK 73018

Formation(s) (Permit Valid for Listed Formations Only):

| Name                   | Depth | Name | Depth |
|------------------------|-------|------|-------|
| 1 MISS'AN (EX CHESTER) | 7764  | 6    |       |
| 2                      |       | 7    |       |
| 3                      |       | 8    |       |
| 4                      |       | 9    |       |
| 5                      |       | 10   |       |

Spacing Orders: 653714 Location Exception Orders: 654238 Increased Density Orders:  
Pending CD Numbers: Special Orders:

Total Depth: 13827 Ground Elevation: 1044 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 16 Twp 16N Rge 7W County KINGFISHER

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 7405

Radius of Turn: 905

Direction: 358

Total Length: 5000

Measured Total Depth: 13827

True Vertical Depth: 7824

End Point Location from Lease,  
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

6/15/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/15/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

LOCATION EXCEPTION - 654238

8/10/2016 - G64 - (I.O.) 16-16N-7W  
X653714 MSNLC  
COMPL. INT. NCT 165' FSL & NCT 1000' FWL, NCT 165' FNL & NCT 1000' FEL  
PAYROCK ENERGY, L.L.C. (BOUGHT IN ITS ENTIRETY BY MARATHON OIL CO.)  
7-13-2016

MEMO

6/15/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 653714

6/16/2016 - G60 - (640)(HOR) 16-16N-7W  
VAC OTHERS  
EST OTHERS  
EST MSNLC, OTHERS  
COMPL. INT. NLT 660' FB  
(COEXIST WITH SP. ORDER 484263 MSSLM)

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