

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

API NUMBER: 011 24109

Approval Date: 10/18/2018

Expiration Date: 04/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 16N Rge: 11W

County: BLAINE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 330 1859

Lease Name: ROSER 1611

Well No: 1-3MH

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 4057205508

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
7301 NW EXPRESSWAY STE 225  
OKLAHOMA CITY, OK 73132-1590

WILLIAM K. ROSER  
RR. 2, BOX 338A  
WATONGA OK 73772

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

| Name               | Depth | Name | Depth |
|--------------------|-------|------|-------|
| 1 MISSISSIPPI LIME | 10000 | 6    |       |
| 2                  |       | 7    |       |
| 3                  |       | 8    |       |
| 4                  |       | 9    |       |
| 5                  |       | 10   |       |

Spacing Orders: 583967

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806018  
201806017

Special Orders:

Total Depth: 14874

Ground Elevation: 1527

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 40

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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

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

H. SEE MEMO

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

## HORIZONTAL HOLE 1

Sec 03 Twp 16N Rge 11W County BLAINE

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 9838

Radius of Turn: 477

Direction: 10

Total Length: 4287

Measured Total Depth: 14874

True Vertical Depth: 10539

End Point Location from Lease,  
Unit, or Property Line: 50

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

10/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

#### HYDRAULIC FRACTURING

10/3/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

#### INTERMEDIATE CASING

10/3/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

#### MEMO

10/3/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

011 24109 ROSER 1611 1-3MH

| Category               | Description                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PENDING CD - 201806017 | 10/12/2018 - G75 - 3-16N-11W<br>X583967 MSSLM, OTHERS<br>4 WELLS<br>NO OP. NAMED<br>REC 9-17-2018 (THOMAS)                                                     |
| PENDING CD - 201806018 | 10/12/2018 - G75 - (I.O.) 3-16N-11W<br>X583967 MSSLM, OTHERS<br>COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL<br>NO OP. NAMED<br>REC 9-17-2018 (THOMAS) |
| SPACING - 583967       | 10/12/2018 - G75 - (640) 3-16N-11W<br>EXT OTHERS<br>EST MSSLM, OTHERS                                                                                          |

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.

API 011-24109

BLAINE COUNTY, OKLAHOMA

330' FSL - 1859' FEL SECTION 3 TOWNSHIP 16N RANGE 11W I.M.

N35.898632  
W98.366134

N35.898667  
W98.357245

N35.898700  
W98.348357

T17N - R11W  
T16N - R11W

SECTION 34  
SECTION 3

3.30

50'

PROPOSED  
BOTTOM HOLE  
50'FNL-330'FEL  
NAD 27 (US FEET)  
N35°53'54.8"  
W98°20'58.1"  
N35.898559  
W98.349470  
X:1896492  
Y:327268

PROPOSED  
LAST TAKE POINT  
150°FNL-330°FEL  
NAD 27 (US FEET)  
N35°53'53.8"  
W98°20'58.1"  
N35.898284  
W98.349469  
X:1896493  
Y:327168

N35.891806  
W98.348337

PROPOSED  
FIRST TAKE POINT  
150'FSL-330'FEL  
NAD 27 (US FEET)  
N35°53'05.9"  
W98°20'58.0"  
N35.884962  
W98.349433  
X:1896486  
Y:322319

PROPOSED  
SURFACE HOLE  
330'FSL-1869'FEL  
NAD 27 (US FEET)  
N35°53'07.6"  
W98°21'16.5"  
N35.885436  
W98.354596  
X:1894957  
Y:322497

N35.884554  
W98.348318

N35.891838  
W98.366170

N35.884482  
W98.366210

SECTION 3  
SECTION 10

ZONE "X"

OPERATOR: MARATHON OIL COMPANY

LEASE NAME: ROSER 1611

WELL NO.: 1-3MH

TOPOGRAPHY & VEGETATION: OPEN FIELD

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION  
STAKES SET NONE

**BEST ACCESS TO LOCATION:** N2610 RD TO THE WEST SIDE OF RD.

DISTANCE AND DIRECTION  
FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY 8 AND AIRPORT RD. IN WATONGA, OK. DRIVE NORTH ON HWY 8 APPROX. 1 MILES TO AN INTERSECTION W/ HWY 8 AND E0790 RD. DRIVE EAST ALONG E0790 RD. APPROX. 3.9 MILES TO AN INTERSECTION W/ N2610 RD. DRIVE NORTH ALONG N2610 RD. APPROX. 1 MILES SITE IS ON THE WEST

DATUM: NAD 27

DATE OF DRAWING: 05/14/18

LAT: 35° 53' 07.6" N

JOB NO.: 18000908

DATE STAKED: 05/11/18

LONG: 98° 21' 16.5" W

CERTIFICATE:

LAT: 35.885436° N

LONG: 98.354595° W

I, DAVID L. ANDERSON an Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein

STATE PLANE  
COORDINATES: (US FEET)

ZONE: OK NORTH

David L. Johnson 5/18/18

X: 1894957

Oklahoma Lic. No. 1927

Y: 322497

