

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

API NUMBER: 011 24108

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 1879

Lease Name: ROSER 1611 Well No: 2-3-34MXH 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	MISSISSIPPIAN (LESS CHESTER)	9900	6	
2	MISSISSIPPI LIME	10025	7	
3			8	
4			9	
5			10	

Spacing Orders: 583967
671660

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806022
201806021
201806017
201806019

Special Orders:

Total Depth: 20111 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

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

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 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 34 Twp 17N Rge 11W County BLAINE

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1545

Depth of Deviation: 9815

Radius of Turn: 477

Direction: 355

Total Length: 9547

Measured Total Depth: 20111

True Vertical Depth: 10802

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; 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

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 24108 ROSER 1611 2-3-34MXH

Category	Description
PENDING CD - 201806017	10/15/2018 - G75 - 3-16N-11W X583967 MSSLM, OTHERS 4 WELLS NO OP. NAMED REC 9-17-2018 (THOMAS)
PENDING CD - 201806019	10/15/2018 - G75 - 34-17N-11W X671660 MSNLC, OTHERS 4 WELLS NO OP. NAMED REC 9-17-2018 (THOMAS)
PENDING CD - 201806021	10/15/2018 - G75 - (I.O.) 3-16N-11W & 34-17N-11W EST MULTIUNIT HORIZONTAL WELL X583967 MSSLM, OTHERS 3-16N-11W X671660 MSNLC, OTHERS 34-17N-11W 50% 3-16N-11W 50% 34-17N-11W MARATHON OIL CO. REC 9-17-2018 (THOMAS)
PENDING CD - 201806022	10/15/2018 - G75 - (I.O.) 3-16N-11W & 34-17N-11W X583967 MSSLM, OTHERS 3-16N-11W X671660 MSNLC, OTHERS 34-17N-11W COMPL. INT. (3-16N-11W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (34-17N-11W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL MARATHON OIL CO. REC 9-17-2018 (THOMAS)
SPACING - 583967	10/15/2018 - G75 - (640) 3-16N-11W EXT OTHERS EST MSSLM, OTHERS
SPACING - 671660	10/15/2018 - G75 - (640)(HOR) 34-17N-11W EXT OTHER EST MSNLC, OTHERS POE TO BHL NLT 660' FB

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API 011-24108

BLAINE COUNTY, OKLAHOMA

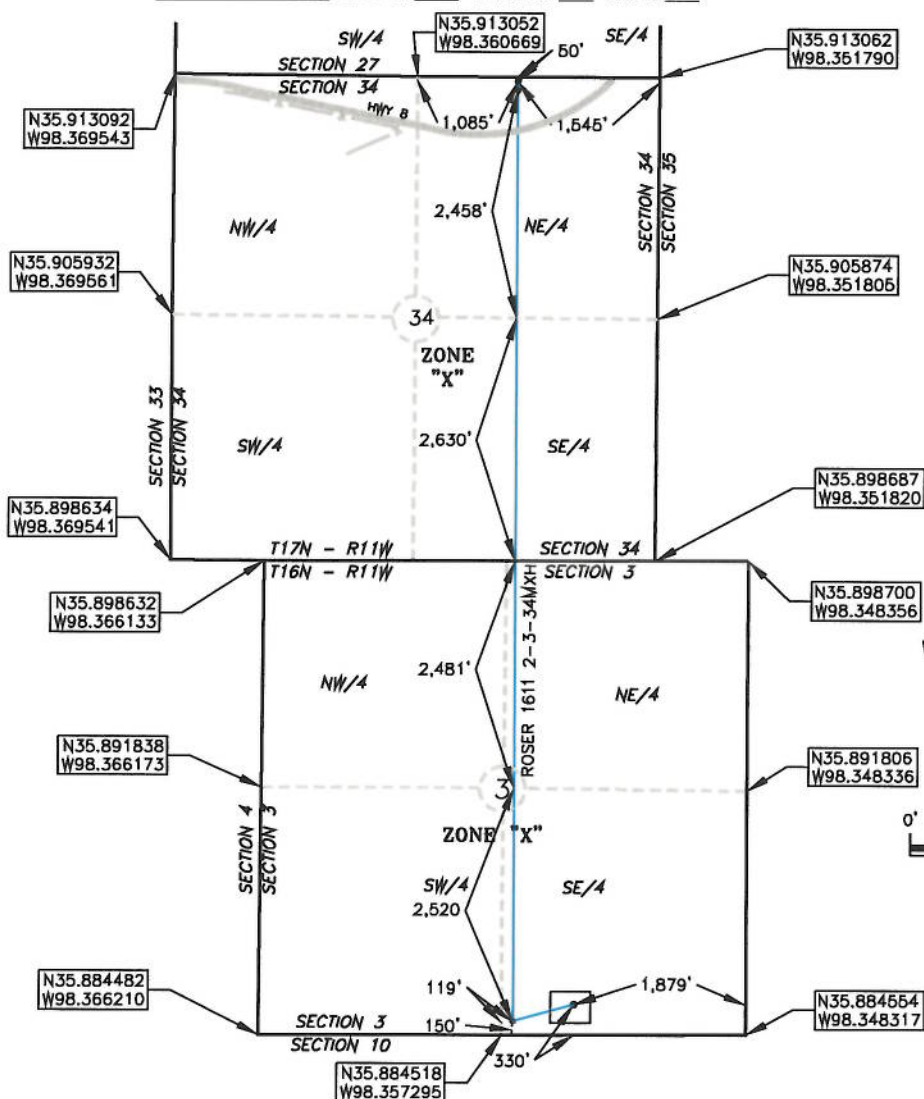
330' FSL - 1879' FEL SECTION 3 TOWNSHIP 16N RANGE 11W I.M.

PROPOSED
BOTTOM HOLE
50' FNL - 1545' FEL
NAD 27 (US FEET)
N35°54'46.5"
W98°21'25.2"
N35.912918
W98.357007
X:1894280
Y:332503

PROPOSED
LAST TAKE POINT
150' FNL - 1545' FEL
NAD 27 (US FEET)
N35°54'46.5"
W98°21'25.2"
N35.912644
W98.357007
X:1894279
Y:332403

PROPOSED
FIRST TAKE POINT
150' FSL - 2540' FEL
NAD 27 (US FEET)
N35°53'05.8"
W98°21'24.8"
N35.884931
W98.356893
X:1894276
Y:322316

PROPOSED
SURFACE HOLE
330' FSL - 1879' FEL
NAD 27 (US FEET)
N35°53'07.6"
W98°21'16.8"
N35.885436
W98.354662
X:1894937
Y:322497



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: ROSER 1611

WELL NO.: 2-3-34MXH

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:

1,531' GR. AT STAKE NAVD88

1,527' GR. AT STAKE NGVD29

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

LAT: 35° 53' 07.6" N

LONG: 98° 21' 16.8" W

LAT: 35.885436° N

LONG: 98.354662° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1894937

Y: 322497

This information was
gathered with a GPS receiver
with ±1 foot Horiz/Vert accuracy.

JOB NO.: 18000908

DATE OF DRAWING: 05/14/18

DATE STAKED: 05/11/18

CERTIFICATE:

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

Oklahoma Lic. No. 1927

