

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

API NUMBER: 011 23861

Approval Date: 09/20/2017
Expiration Date: 03/20/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 16N Rge: 11W County: BLAINE
SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 300 1425

Lease Name: ROSER 1611 Well No: 1-3-34MXH Well will be 300 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

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	9266	6	
2	MISSISSIPPIAN (EX CHESTER)	9723	7	
3			8	
4			9	
5			10	

Spacing Orders: 583967

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703777
201703780
201703779

Special Orders:

Total Depth: 20346

Ground Elevation: 1545

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: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 9428

Radius of Turn: 477

Direction: 1

Total Length: 10169

Measured Total Depth: 20346

True Vertical Depth: 10086

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

Notes:

Category

Description

DEEP SURFACE CASING

8/30/2017 - G58 - 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

8/30/2017 - G58 - 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

8/30/2017 - G58 - 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

8/30/2017 - G58 - 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.

Category	Description
PENDING CD - 201703777	9/8/2017 - G75 - (E.O.)(640)(HOR) 34-17N-11W EXT OTHER EST MSNLC, OTHERS POE TO BHL NLT 660' FB MARATHON OIL CO. REC 9-20-2017 (DUNN)
PENDING CD - 201703779	9/8/2017 - G75 - (E.O.) 3-16N-11W & 34-17N-11W EST MULTIUNIT HORIZONTAL WELL X583967 MSSLM, OTHERS 3-16N-11W X201703777 MSNLC, OTHERS 34-17N-11W 50% 3-16N-11W 50% 34-17N-11W MARATHON OIL CO. REC 9-20-2017 (DUNN)
PENDING CD - 201703780	9/8/2017 - G75 - (E.O.) 3-16N-11W & 34-17N-11W X583967 MSSLM, OTHERS 3-16N-11W X201703777 MSNLC, OTHERS 34-17N-11W COMPL. INT. (3-16N-11W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (34-17N-11W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL MARATHON OIL CO. REC 9-20-2017 (DUNN)
SPACING - 583967	9/8/2017 - G75 - (640) 3-16N-11W EXT OTHERS EST MSSLM, OTHERS

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

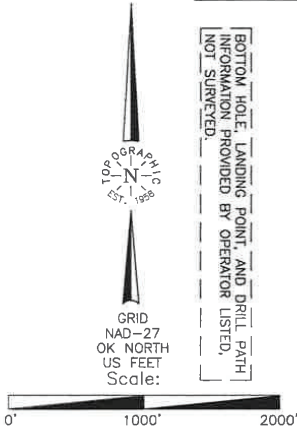
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS.

BLAINE

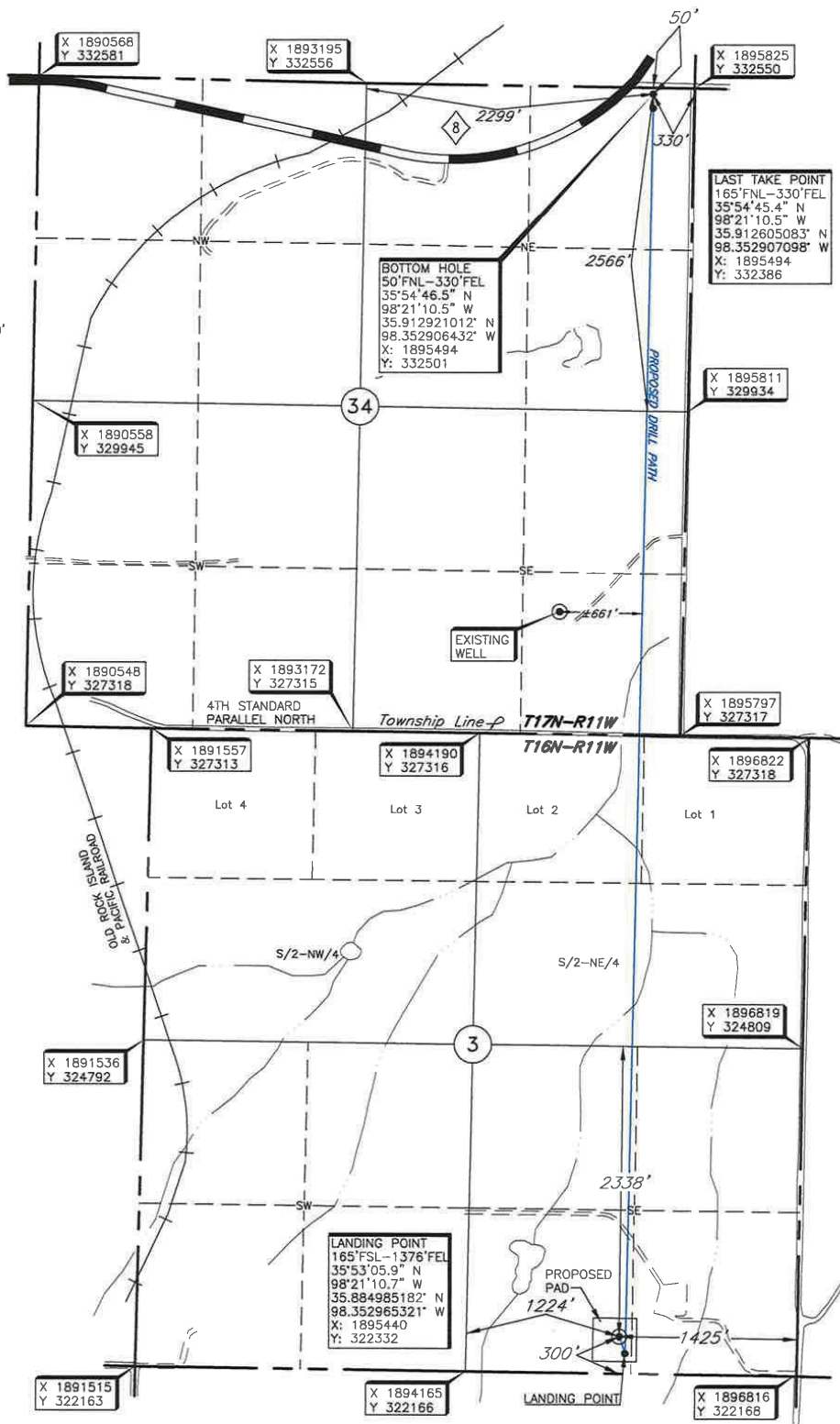
County, Oklahoma

300'FSL - 1425'FEL Section 3 Township 16N Range 11W I.M.

API 011-23861



BOTTOM HOLE, LANDING POINT AND DRILL PATH INFORMATION PROVIDED BY OPERATOR NOT SURVEYED.



Operator: MARATHON OIL COMPANY
 Lease Name: ROSER 1611
 Topography & Vegetation Location fell on a hilltop.
 Well No.: 1-3-34MWH
 ELEVATION: 1545' Gr. at Stake
 Reference Stakes or Alternate Location
 Stakes Set None
 Good Drill Site? Yes
 Best Accessibility to Location From County Road east of well location.
 Distance & Direction From Hwy Jct or Town From the Junction of State Highway 8 and State Highway 3, go east ±4 miles, then north ±3 miles to the Southeast Corner of Section 3, T16N-R11W.

NOTE:
 The information shown herein is for construction purposes ONLY.

Revision C
 280025 Date of Drawing: Sept. 13, 2017
 Invoice # 256171 Date Staked: Feb. 02, 2016 JGW/TR

CERTIFICATE:

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1778



DATUM: NAD-27
 LAT: 35°53'07.3" N
 LONG: 98°21'11.3" W
 LAT: 35.885355589° N
 LONG: 98.353132192° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 1895391
 Y: 322467