

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

API NUMBER: 011 24102

Approval Date: 10/16/2018

Expiration Date: 04/16/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 11W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 261 352

Lease Name: ROSER 1711

Well No: 4-34-3MXH

Well will be 261 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

UNITED STATES GYPSUM COMPANY  
550 WEST ADAMS STREET  
CHICAGO IL 60661

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	9266	6	
2	MISSISSIPPIAN (LESS CHESTER)	9723	7	
3			8	
4			9	
5			10	

Spacing Orders: 583967  
671660

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806026  
201806025  
201806017  
201806019

Special Orders:

Total Depth: 20727

Ground Elevation: 1525

**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: No

**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 03 Twp 16N Rge 11W County BLAINE

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 925

Depth of Deviation: 9738

Radius of Turn: 500

Direction: 170

Total Length: 10204

Measured Total Depth: 20727

True Vertical Depth: 10738

End Point Location from Lease,  
Unit, or Property Line: 0

Notes:

Category

Description

DEEP SURFACE CASING

10/3/2018 - 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

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 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED 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 24102 ROSER 1711 4-34-3MXH

Category	Description
PENDING CD - 201806017	10/16/2018 - G58 - 3-16N-11W X583967 MSSLM, OTHERS 4 WELLS NO OP. NAMED REC 9/17/2018 (THOMAS)
PENDING CD - 201806019	10/16/2018 - G58 - 34-17N-11W X617660 MSNLC, OTHERS 4 WELLS NO OP. NAMED REC 9/17/2018 (THOMAS)
PENDING CD - 201806025	10/16/2018 - G58 - (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 NO OP. NAMED REC 9/17/2018 (THOMAS)
PENDING CD - 201806026	10/16/2018 - G58 - (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' FWL COMPL. INT. (34-17N-11W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 9/17/2018 (THOMAS)
SPACING - 583967	10/16/2018 - G58 - (640) 3-16N-11W EXT OTHERS EST MSSLM, OTHERS
SPACING - 671660	10/16/2018 - G58 - (640)(HOR) 34-17N-11W EXT OTHER EST MSNLC, OTHERS POE TO BHL NLT 660' FB

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REV#	DATE	DESC.
1	9/18/18	REVISED WELL SLOT

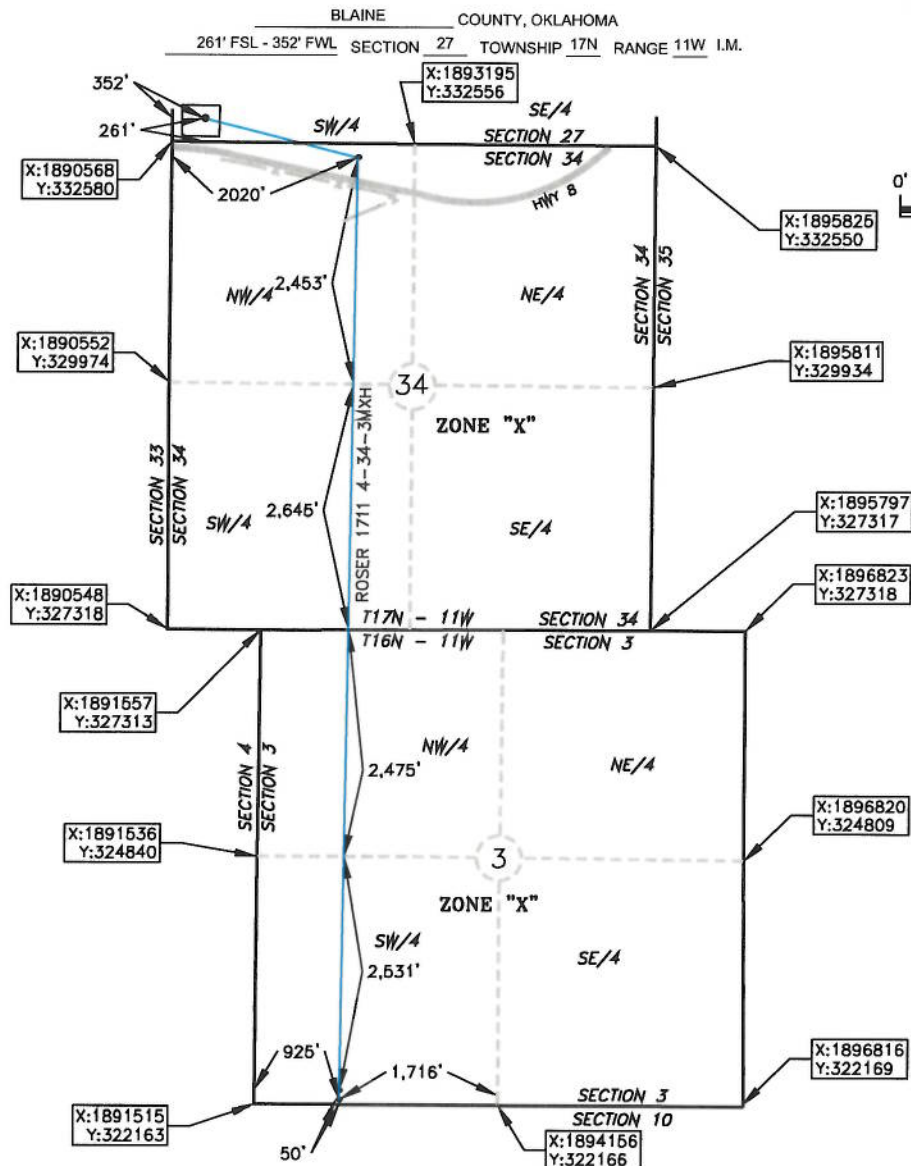


PROPOSED  
SURFACE HOLE  
261' FSL - 352' FWL  
NAD 27 (US FEET)  
N35°54'49.7"  
W98°22'06.0"  
N35.913803  
W98.368346  
X:1890923  
Y:332838

PROPOSED  
FIRST TAKE POINT  
150' FNL - 2020' FWL  
NAD 27 (US FEET)  
N35°54'45.6"  
W98°21'45.8"  
N35.912655  
W98.362722  
X:1892587  
Y:332414

PROPOSED  
LAST TAKE POINT  
150' FSL - 925' FWL  
NAD 27 (US FEET)  
N35°53'05.6"  
W98°21'47.1"  
N35.884892  
W98.363085  
X:1892441  
Y:322308

PROPOSED  
BOTTOM HOLE  
50' FSL - 925' FWL  
NAD 27 (US FEET)  
N35°53'04.6"  
W98°21'47.1"  
N35.884623  
W98.363086  
X:1892441  
Y:322210



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: ROSER 1711

WELL NO.: 4-34-3MXH

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:  
1,529' GR. AT STAKE NAVD88  
1,525' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION  
STAKES SET NONE

BEST ACCESS TO LOCATION: HWY 8 TO THE NORTH.

DISTANCE AND DIRECTION  
FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF OK HWY 8 AND AIRPORT RD. IN WATONGA, OK DRIVE NORTH/NORTH EASTERLY ON OK HWY 8 FOR APPROX. 6.6 MILES

SITE IS IN THE FIELD ON THE NORTH SIDE OF THE ROAD. (HWY. 8)

DATUM: NAD 27

LAT: 35° 54' 49.7" N

LONG: 98° 22' 06.0" W

LAT: 35.913803° N

LONG: 98.368346° W

STATE PLANE  
COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1890923

Y: 332838

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

JOB NO.: 18000910

DATE OF DRAWING: 05/14/18

DATE STAKED: 05/11/18

CERTIFICATE:

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

*David L. Anderson* 9/20/18  
Oklahoma Lic. No. 1927

