

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

API NUMBER: 011 24110

Approval Date: 10/18/2018

Expiration Date: 04/18/2020

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: 261 332

Lease Name: BUCHER 1711

Well No: 1-34MH

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 MISSISSIPPIAN (LESS CHESTER)	9900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671660

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806020
201806019

Special Orders:

Total Depth: 15672

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

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 34 Twp 17N Rge 11W County BLAINE

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9862

Radius of Turn: 477

Direction: 181

Total Length: 5061

Measured Total Depth: 15672

True Vertical Depth: 10579

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

Notes:

Category

Description

DEEP SURFACE CASING

10/16/2018 - GA8 - 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

10/16/2018 - GA8 - 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

10/16/2018 - GA8 - 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

10/16/2018 - GA8 - 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 24110 BUCHER 1711 1-34MH

Category	Description
PENDING CD - 201806019	10/16/2018 - G75 - 34-17N-11W X671660 MSNLC, OTHERS 4 WELLS NO OP. NAMED REC 9-17-2018 (THOMAS)
PENDING CD - 201806020	10/16/2018 - G75 - (I.O.) 34-17N-11W X671660 MSNLC, OTHERS COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL MARATHON OIL CO. REC 9-17-2018 (THOMAS)
SPACING - 671660	10/16/2018 - G75 - (640)(HOR) 34-17N-11W EXT OTHER EST MSNLC, OTHERS POE TO BHL NLT 660' FB

API 011-24110



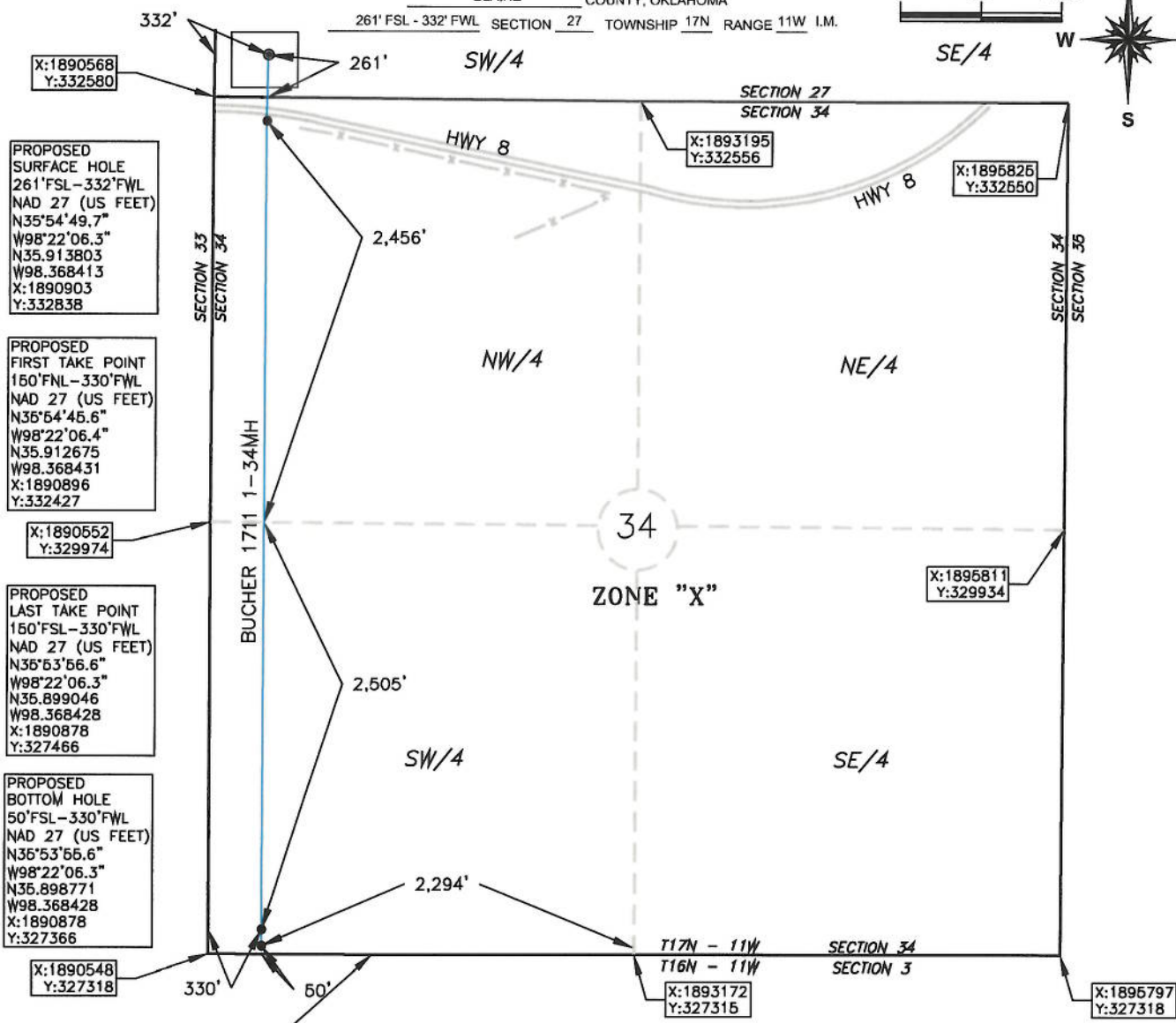
ATWELL
770.423.0807 www.atwell-group.com
1255 Lakes Parkway, Bldg. 100, Suite 120
Lawrenceville, GA 30043

BLAINE COUNTY, OKLAHOMA

261' FSL - 332' FWL SECTION 27 TOWNSHIP 17N RANGE 11W I.M.

GEODETIC
NAD-27
OK NORTH

0' 500' 1000'



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: BUCHER 1711

WELL NO.: 1-34MH

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' 06.3" W

LAT: 35.913803° N

LONG: 98.368413° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1890903

Y: 332838

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

DATE OF DRAWING: 05/14/18

JOB NO.: 18000911

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

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

