

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

API NUMBER: 011 23938

Approval Date: 02/09/2018

Expiration Date: 08/09/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 15N Rge: 11W County: BLAINE
SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 243 1513

Lease Name: HR POTTER 1511 Well No: 4-3-34MXH Well will be 243 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

HAROLD POTTER
5234 W. 1ST STREET
NORTH WITCHITA KS 67212

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

Name	Depth	Name	Depth
1 MISSISSIPPI	9960	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658269
158951

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800699
201800703
201800688
201800708
201800691

Special Orders:

Total Depth: 21316 Ground Elevation: 1493 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 70

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 34 Twp 16N Rge 11W County BLAINE

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1725

Depth of Deviation: 9383

Radius of Turn: 1000

Direction: 5

Total Length: 10362

Measured Total Depth: 21316

True Vertical Depth: 11512

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

Notes:

Category

Description

DEEP SURFACE CASING

1/31/2018 - 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

1/31/2018 - 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

1/31/2018 - 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

1/31/2018 - 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 23938 HR POTTER 1511 4-3-34MXH

Category	Description
PENDING CD - 201800688	2/5/2018 - G57 - (E.O.) 34-16N-11W X158951 MISS 9 WELLS NO OP. NAMED REC 1-29-2018 (NORRIS)
PENDING CD - 201800691	2/5/2018 - G57 - (E.O.) 3-15N-11W & 34-16N-11W X165:10-3-28(C)(2)(B) MISS (HR POTTER 4-3-34MXH) MAY BE CLOSER THAN 600' TO AN EXISTING WELLBORE NO OP. NAMED REC 1-29-2018 (NORRIS)
PENDING CD - 201800699	2/5/2018 - G57 - (E.O.) 3-15N-11W & 34-16N-11W X658269 3-15N-11W X158951 34-16N-11W COMPL. INT. (3-15N-11W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL & FWL COMPL. INT. (34-16N-11W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL & FWL NO OP. NAMED REC 1-29-2018 (NORRIS)
PENDING CD - 201800703	2/5/2018 - G57 - (E.O.) 3-15N-11W X658269 MISS 9 WELLS NO OP. NAMED REC 1-29-2018 (NORRIS)
PENDING CD - 201800708	2/5/2018 - G57 - (E.O.) 3-15N-11W & 34-16N-11W EST MULTIUNIT HORIZONTAL WELL X658269 MISS 3-15N-11W X158951 MISS 34-16N-11W 50% 3-15N-11W 50% 34-16N-11W NO OP. NAMED REC 1-29-2018 (NORRIS)
SPACING - 158951	2/5/2018 - G57 - (640) 34-16N-11W EXT OTHER EST MISS, OTHER
SPACING - 658269	2/5/2018 - G57 - (640) 3-15N-11W EXT 158951 MISS EXT OTHERS



ATWELL
866.850.4200 www.atwell-group.com

4271 South Lee St., Suite 202
Buford, GA 30518

API: 011 23938

BLAINE COUNTY, OKLAHOMA

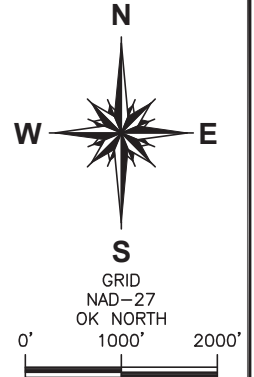
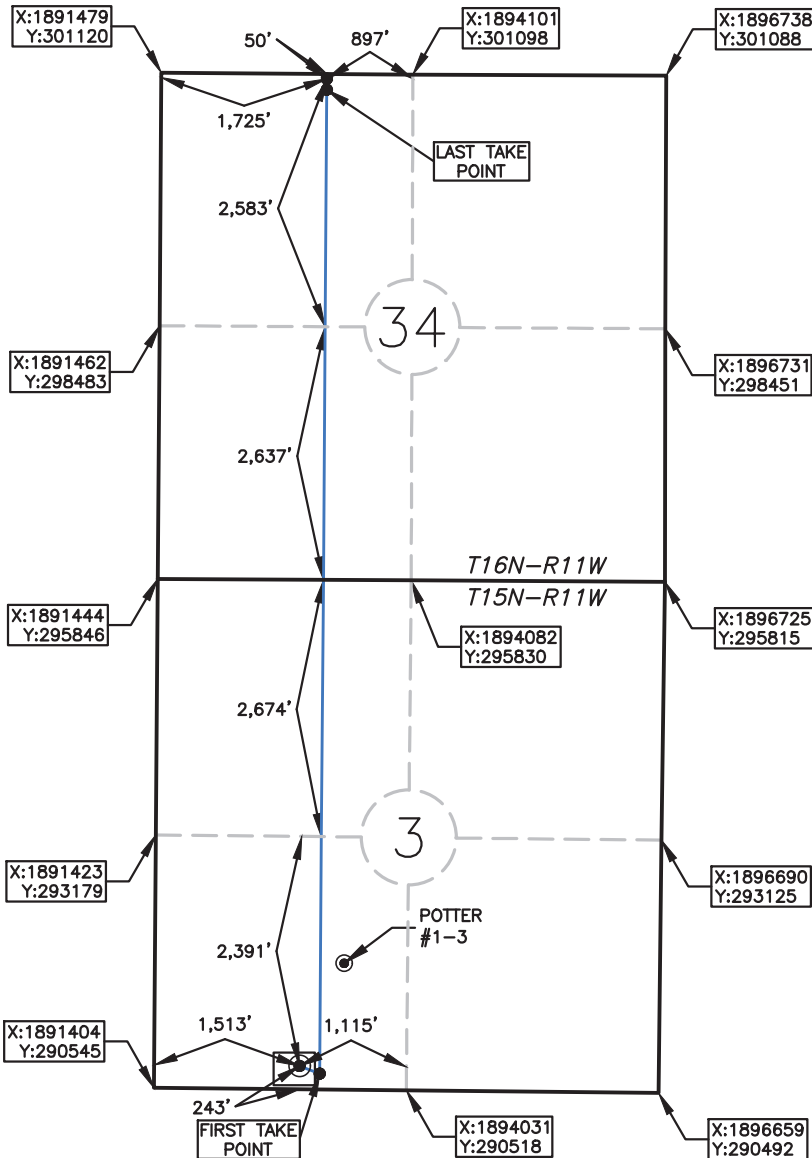
243' FSL - 1,513' FWL SECTION 3 TOWNSHIP 15N RANGE 11W I.M.

PROPOSED
BOTTOM HOLE
50' FNL - 1,725' FWL
NAD 27 (US FEET)
N35°49'35.4"
W98°21'36.9"
N35.826514
W98.360245
X:1893204
Y:301055

PROPOSED
LAST TAKE POINT
165' FNL - 1,725' FWL
NAD 27 (US FEET)
N35°49'34.3"
W98°21'36.9"
N35.826198
W98.360246
X:1893203
Y:300940

PROPOSED
FIRST TAKE POINT
165' FSL - 1,725' FWL
NAD 27 (US FEET)
N35°47'53.0"
W98°21'37.3"
N35.798045
W98.360364
X:1893130
Y:290693

PROPOSED
SURFACE HOLE
243' FSL - 1,513' FWL
NAD 27 (US FEET)
N35°47'53.7"
W98°21'39.9"
N35.798262
W98.361079
X:1892919
Y:290773



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: HR POTTER 1511

WELL NO.: 4-3-34MXH

ELEVATION:

1,495' GR. AT STAKE NAVD88

1,493' GR. AT STAKE NGVD29

TOPOGRAPHY & VEGETATION: CULTIVATED FIELD

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET ALTERNATE LOCATIONS WERE STAKED ON THIS SAME PAD

BEST ACCESS TO LOCATION: E0840 RD TO THE SOUTH

DISTANCE AND DIRECTION

FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF US HWY 270 AND OK HWY 3 IN WATONGA, OK DRIVE EAST ON OK HWY 3 FOR APPROX. 3 MILES. THEN DRIVE SOUTH ON N2600 RD FOR APPROX. 3 MILES. THEN HEAD EAST ON E0840 RD FOR APPROX. .10 MILES. THE SITE IS IN THE FIELD ON THE NORTH SIDE OF THE ROAD.

DATUM: NAD 27

LAT: 35° 47' 53.7" N

LONG: 98° 21' 39.9" W

LAT: 35.798262° N

LONG: 98.361079° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1892919

Y: 290773

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

JOB NO.: 17003312

DATE OF DRAWING: 12/01/17

DATE STAKED: 11/29/17

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 12/8/17

Oklahoma Lic. No. 1927

