

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

API NUMBER: 011 24209

Approval Date: 04/29/2019

Expiration Date: 10/29/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 15N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 251 2414

Lease Name: J&M BIA 1510

Well No: 2-30MH

Well will be 251 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

LANDRETH REVOCABLE TRUST
R R 2 BOX 124
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	11044	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 569532

Location Exception Orders: 693064

Increased Density Orders: 690504

Pending CD Numbers:

Special Orders:

Total Depth: 15924

Ground Elevation: 1492

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: Yes

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 30 Twp 15N Rge 10W County BLAINE

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1505

Depth of Deviation: 10582

Radius of Turn: 462

Direction: 175

Total Length: 4616

Measured Total Depth: 15924

True Vertical Depth: 11129

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

Notes:

Category

Description

DEEP SURFACE CASING

4/24/2019 - 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

4/24/2019 - 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

INCREASED DENSITY - 690504

4/29/2019 - GB1 - 30-15N-10W
X569532 MSSLM
4 WELLS
MARATHON OIL COMPANY
1/28/2019

INTERMEDIATE CASING

4/24/2019 - 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

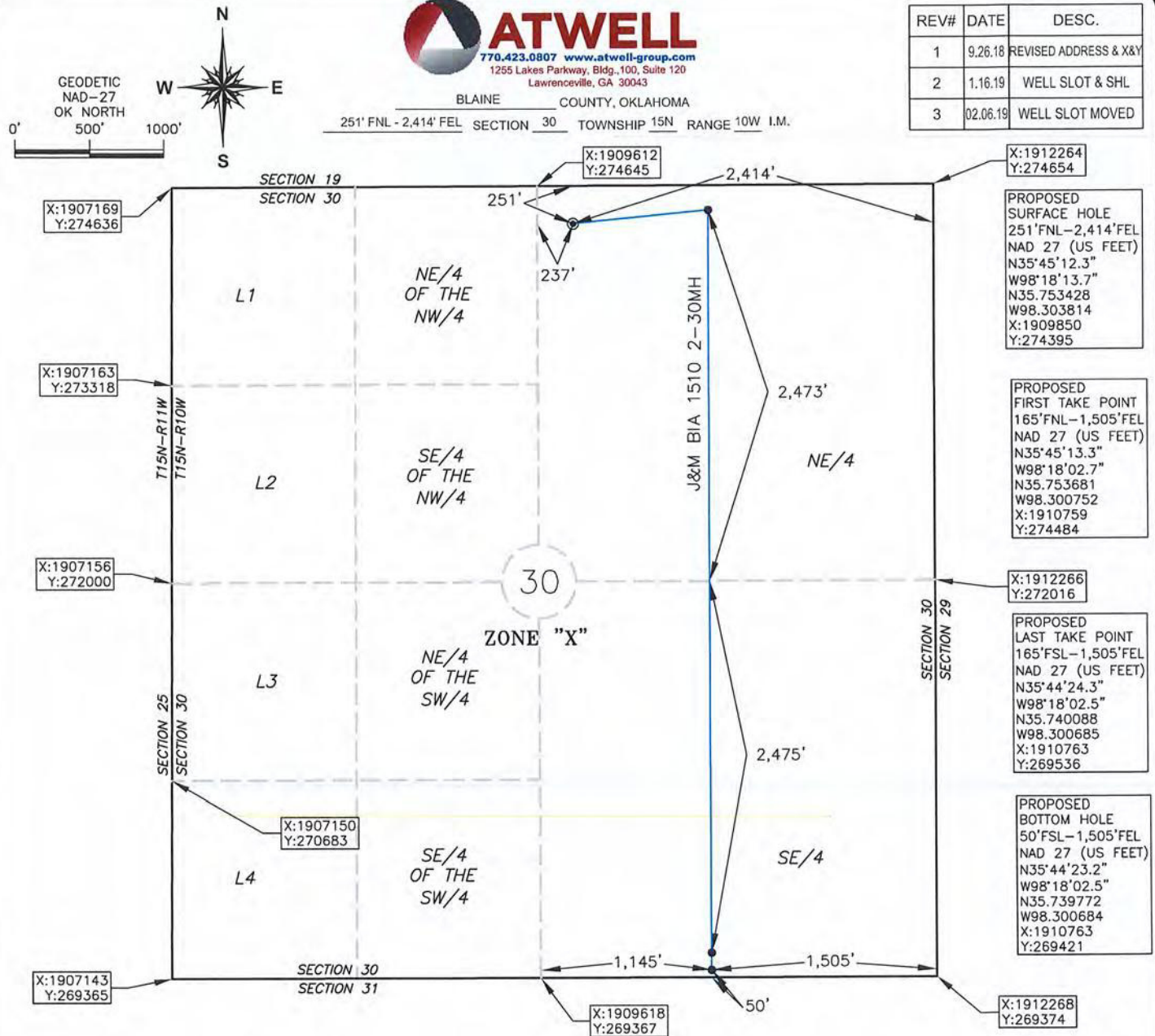
This permit does not address the right of entry or settlement of surface damages.

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 24209 J&M BIA 1510 2-30MH

Category	Description
LOCATION EXCEPTION - 693064	4/26/2019 - GB1 - (I.O.) 30-15N-10W X569532 MSSLM COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 990' FEL MARATHON OIL COMPANY 3/18/2019
MEMO	4/24/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 569532	4/26/2019 - GB1 - (640) 30-15N-10W EXT OTHER EST MSSLM, OTHERS



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: J&M BIA 1510

WELL NO.: 2-30MH

TOPOGRAPHY & VEGETATION: OPEN FIELD

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET NONE

BEST ACCESS TO LOCATION: E0870 RD TO THE SOUTH.

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY 8 AND E0870 RD. 1.7 MILES NORTH OF GREENFIELD, OK. DRIVE EAST ALONG E0870 RD. FOR APPROX. 5.0 MILES SITE IS IN THE FIELD ON THE SOUTH SIDE OF THE ROAD.

DATUM: NAD 27
 LAT: 35° 45' 12.3" N
 LONG: 98° 18' 13.7" W
 LAT: 35.753428° N
 LONG: 98.303814° W
 STATE PLANE COORDINATES: (US FEET)
 ZONE: OK NORTH
 X: 1909850
 Y: 274395

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

JOB NO.: 18001235

DATE OF DRAWING: 1/16/19

DATE STAKED: 1/15/19

CERTIFICATE:

I, MICHAEL C. RAY, an Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein

Oklahoma Lic. No. 1653

REV#	DATE	DESC.
1	9.26.18	REVISED ADDRESS & X&Y
2	1.16.19	WELL SLOT & SHL
3	02.06.19	WELL SLOT MOVED

X:1912264
Y:274654

PROPOSED SURFACE HOLE
 251'FNL-2,414'FEL
 NAD 27 (US FEET)
 N35°45'12.3"
 W98°18'13.7"
 N35.753428
 W98.303814
 X:1909850
 Y:274395

PROPOSED FIRST TAKE POINT
 165'FNL-1,505'FEL
 NAD 27 (US FEET)
 N35°45'13.3"
 W98°18'02.7"
 N35.753681
 W98.300752
 X:1910759
 Y:274484

X:1912266
Y:272016

PROPOSED LAST TAKE POINT
 165'FNL-1,505'FEL
 NAD 27 (US FEET)
 N35°44'24.3"
 W98°18'02.5"
 N35.740088
 W98.300685
 X:1910763
 Y:269536

PROPOSED BOTTOM HOLE
 50'FNL-1,505'FEL
 NAD 27 (US FEET)
 N35°44'23.2"
 W98°18'02.5"
 N35.739772
 W98.300684
 X:1910763
 Y:269421

X:1912268
Y:269374

ELEVATION:

1,492' GR. AT STAKE NAVD88

1,489' GR. AT STAKE NGVD29

