

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

API NUMBER: 011 24210

Approval Date: 04/30/2019

Expiration Date: 10/30/2020

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 2439

Lease Name: J&M BIA 1510

Well No: 3-30MH

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: 693063

Increased Density Orders: 690504

Pending CD Numbers:

Special Orders:

Total Depth: 15924

Ground Elevation: 1491

**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 SW SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2260

Depth of Deviation: 10582

Radius of Turn: 462

Direction: 179

Total Length: 4616

Measured Total Depth: 15924

True Vertical Depth: 11299

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](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)

#### 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

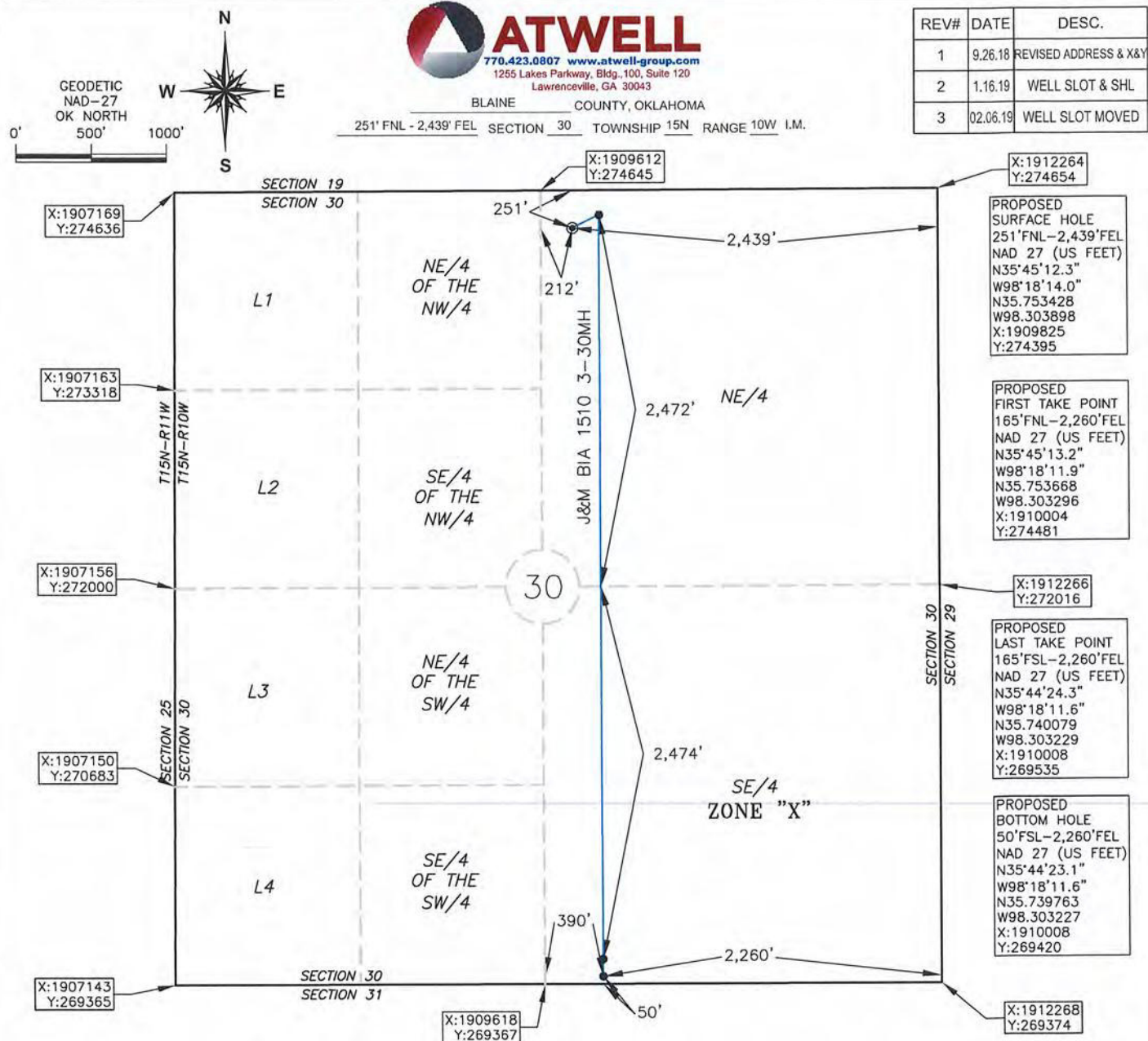
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

011 24210 J&M BIA 1510 3-30MH

Category	Description
LOCATION EXCEPTION - 693063	4/29/2019 - GB1 - (I.O.) 30-15N-10W X569532 MSSLM COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 660' 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	4/29/2019 - GB1 - (640) 30-15N-10W EXT OTHER EST MSSLM, OTHERS



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: J&amp;M BIA 1510

WELL NO.: 3-30MH

TOPOGRAPHY &amp; VEGETATION: OPEN FIELD

## ELEVATION:

1,491' GR. AT STAKE NAVD88

1,488' GR. AT STAKE NGVD29

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' 14.0" W

LAT: 35.753428° N

LONG: 98.303898° W

STATE PLANE  
COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1909825

Y: 274395

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

DATE OF DRAWING: 1/16/19

JOB NO.: 18001236

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 the information shown herein

Oklahoma Lic. No. 1653

