

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

API NUMBER: 051 24174

Approval Date: 07/26/2017  
Expiration Date: 01/26/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION:  SW  SE  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 302 547

Lease Name: LUCILLE HAY 0605

Well No: 1-15MH

Well will be 302 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

SHARON SHOEMAKER  
2185 CR 1400  
ALEX OK 73002

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	12116	6
2			7
3			8
4			9
5			10

Spacing Orders: 147146

Location Exception Orders: 666031

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17204

Ground Elevation: 1175

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 330

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: 5000 Average: 3000

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 BED AQUIFER

Pit Location Formation: DUNCAN

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 15 Twp 6N Rge 5W County GRADY

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 11700

Radius of Turn: 462

Direction: 5

Total Length: 4778

Measured Total Depth: 17204

True Vertical Depth: 12425

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

Notes:

Category

Description

DEEP SURFACE CASING

7/25/2017 - G58 - 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

7/25/2017 - G58 - 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: [HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML](http://www.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 [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/)

LOCATION EXCEPTION - 666031

7/25/2017 - G60 - (I.O.) 15-6N-5W  
X147146 MSSP  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL  
MARATHON OIL COMPANY  
7/17/17

MEMO

7/25/2017 - G58 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category

Description

SPACING - 147146

7/25/2017 - G60 - (640) 15-6N-5W  
EST MSSP, OTHERS  
EXT OTHERS

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3505124174



GRADY COUNTY, OKLAHOMA

302' FSL - 547' FEL SECTION 16 TOWNSHIP 6N RANGE 5W 1.M

X:2080258  
Y:606811

X:2085557  
Y:606813

X:2082908  
Y:606818

LAST TAKE POINT

PROPOSED  
BOTTOM HOLE  
50'FNL-330'FWL  
NAD-27 (US FEET)  
N35°00'01.2"  
W97°43'19.5"  
N35.000345  
W97.722071  
X:2083238  
Y:606768

PROPOSED  
LAST PERF  
165'FNL-330'FWL  
NAD-27 (US FEET)  
N35°00'00.1"  
W97°43'19.5"  
N35.000029  
W97.722072  
X:2083238  
Y:606653

PROPOSED  
FIRST PERF  
165'FSL-330'FWL  
NAD-27 (US FEET)  
N34°59'11.0"  
W97°43'19.5"  
N34.986402  
W97.722091  
X:2083246  
Y:601693

SURFACE HOLE  
302'FSL-547'FEL  
NAD-27 (US FEET)  
N34°59'12.4"  
W97°43'30.1"  
N34.986780  
W97.725018  
X:2082369  
Y:601828

X:2082912  
Y:604173

2,343'

2,595'

2,480'

2,104'

302'

547'

FIRST TAKE POINT

X:2080266  
Y:601520

X:2082917  
Y:601528

X:2085573  
Y:601527



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: LUCILLE HAY 0605

WELL NO.: 1-15MH

ELEVATION:  
1,177' GR. AT STAKE NAVD88  
1,175' GR. AT STAKE NGVD29

TOPOGRAPHY & VEGETATION: EXISTING PAD

GOOD DRILL SITE? YES/NO \_\_\_\_\_ REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE \_\_\_\_\_

BEST ACCESS TO LOCATION: E1400 RD TO THE SOUTH \_\_\_\_\_

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY 39 AND OK HWY 76 NEAR DIBBLE, OK DRIVE SOUTH FOR APPROX. 3.75 MILES TO E1400 RD. DRIVE WEST ON E1400 RD FOR APPROX. 4.1 MILES. THE SITE IS IN THE FIELD TO THE NORTH.

DATUM: NAD 27  
LAT: 34° 59' 12.4" N  
LONG: 97° 43' 30.1" W  
LAT: 34.986780° N  
LONG: 97.725018° W  
STATE PLANE COORDINATES: (US FEET)  
ZONE OK SOUTH  
X: 2082369  
Y: 601828

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

DATE OF DRAWING: 06-09-17  
JOB NO.: 17001507  
DATE STAKED: 06-05-17

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 06/09/17  
Oklahoma Lic. No. 1927

