

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

API NUMBER: 049 25310

Approval Date: 09/12/2019  
Expiration Date: 03/12/2021

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 3N Rge: 4W County: GARVIN  
SPOT LOCATION:  NE  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 250 2350

Lease Name: KATHY A 0304 Well No: 1-11-2MXH Well will be 250 feet from nearest unit or lease boundary.  
Operator Name: MARATHON OIL COMPANY Telephone: 4057285228 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
PO BOX 68  
OKLAHOMA CITY, OK 77001-0068

CARL R. DUTTON OR KATHRYN A. DUTTON, TRUSTEES  
OF THE DUTTON TRUST DATED JULY 24, 2014  
PO BOX 71  
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11350	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 659228  
659164

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903599  
201903600  
201903593  
201903597

Special Orders:

Total Depth: 21716

Ground Elevation: 1145

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 300

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36847

H. SEE MEMO

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

The duration of this permit is 18 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 11 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2090

Depth of Deviation: 11088

Radius of Turn: 462

Direction: 167

Total Length: 9902

Measured Total Depth: 21716

True Vertical Depth: 12070

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

Notes:

Category

Description

DEEP SURFACE CASING

8/23/2019 - 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

8/23/2019 - 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)

MEMO

8/23/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

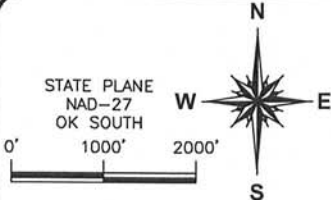
PENDING CD - 201903593

9/12/2019 - GB6 - (E.O.) 2-3N-4W  
X659228 MSSP  
1 WELL  
MARATHON OIL COMPANY  
REC. 8/20/2019 (NORRIS)

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is 18 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.

PENDING CD - 201903597	9/12/2019 - GB6 - (E.O.) 11-3N-4W X659164 MSSP 3 WELLS MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
PENDING CD - 201903599	9/12/2019 - GB6 - (E.O.) 2 & 11 -3N-4W X659228 MSSP, OTHERS 2-3N-4W X659164 MSSP, OTHERS 11-3N-4W COMPL. INT. (2-3N-4W) NCT 165' FNL, NCT 0' FSL, NCT 1980' FEL COMPL. INT. (11-3N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1980' FEL MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
PENDING CD - 201903600	9/12/2019 - GB6 - (E.O.) 2 & 11 -3N-4W EST MULTIUNIT HORIZONTAL WELL X659228 MSSP, OTHERS 2-3N-4W X659164 MSSP, OTHERS 11-3N-4W 50% 2-3N-4W 50% 11-3N-4W REC. 8/20/2019 (NORRIS)
SPACING - 659164	9/12/2019 - GB6 - (HOR)(640) 11-3N-4W EST MSSP, OTHERS POE TO BHL (MSSP) NCT 660' FB (COEXIST SP. ORDER #349600 SCMR NE4)
SPACING - 659228	9/12/2019 - GB6 - (HOR)(640) 2-3N-4W EST MSSP, OTHERS POE TO BHL (MSSP) NCT 660' FB (COEXIST SP. ORDER #351246 CNEY, SCMR)

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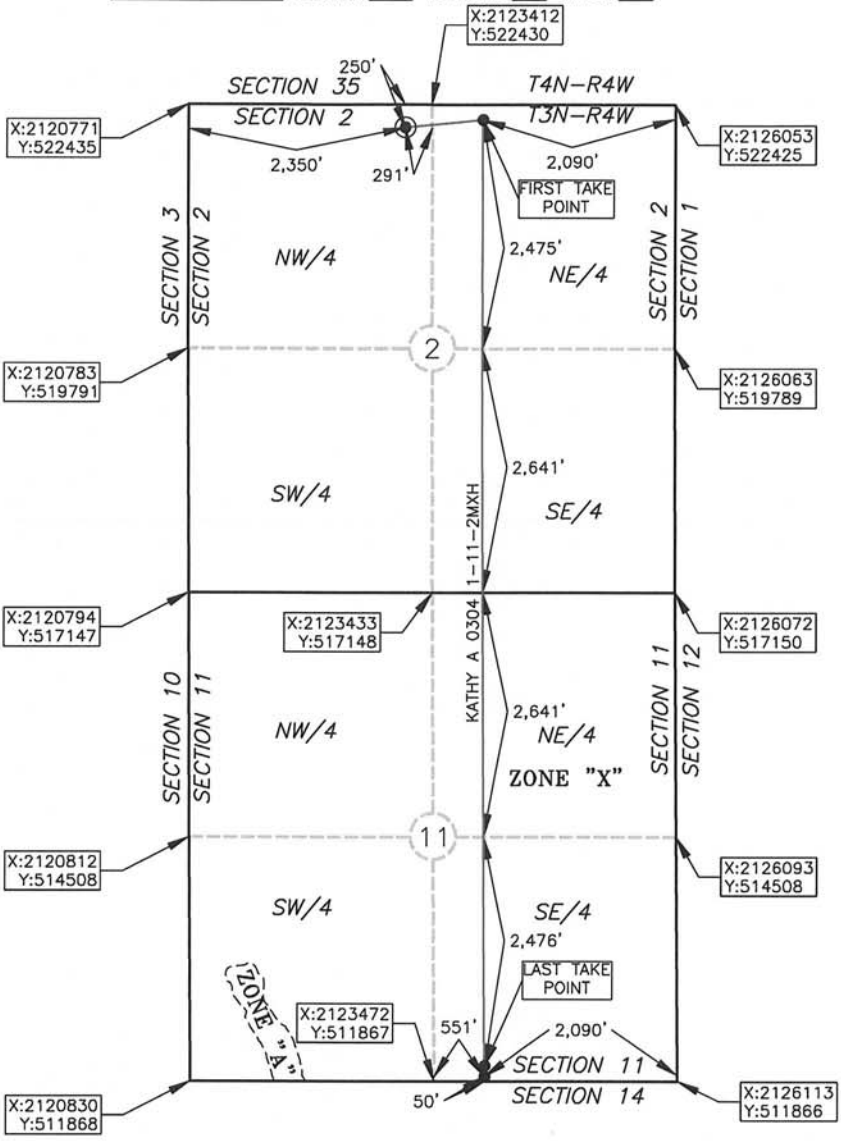
GARVIN COUNTY, OKLAHOMA  
250' FNL - 2,350' FWL SECTION 2 TOWNSHIP 03N RANGE 04W I.M.

**PROPOSED SURFACE HOLE**  
250'FNL-2,350'FWL  
NAD 27 (US FEET)  
N34°46'03.2"  
W97°35'24.2"  
N34.767556  
W97.590049  
X:2123122  
Y:522181

**PROPOSED FIRST TAKE POINT**  
165'FNL-2,090'FEL  
NAD 27 (US FEET)  
N34°46'04.0"  
W97°35'14.1"  
N34.767775  
W97.587246  
X:2123964  
Y:522264

**PROPOSED LAST TAKE POINT**  
165'FNL-2,090'FEL  
NAD 27 (US FEET)  
N34°44'22.8"  
W97°35'13.9"  
N34.739659  
W97.587191  
X:2124022  
Y:512032

**PROPOSED BOTTOM HOLE**  
50'FNL-2,090'FEL  
NAD 27 (US FEET)  
N34°44'21.6"  
W97°35'13.9"  
N34.739343  
W97.587190  
X:2124023  
Y:511917



OPERATOR: MARATHON OIL COMPANY  
LEASE NAME: KATHY A 0304  
TOPOGRAPHY & VEGETATION: OPEN FIELD

WELL NO.: 1-11-2MXH

**ELEVATION:**  
1,145' GR. AT STAKE NAVD88  
1,142' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES  
REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET/NONE

BEST ACCESS TO LOCATION: FROM THE WEST SIDE OF COUNTY ROAD 3040

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF OK HWY. 76 & COUNTY ROAD 1540 ± 3.7 MI., THENCE EAST ALONG COUNTY ROAD 1540 ± 1.0 MI. THENCE SOUTH ALONG COUNTY ROAD 3040 ± 0.5 MI. THENCE SW ALONG A LEASE ACCESS ROAD ± 0.8 MI. THE PAD WILL BE IN A FIELD ON THE WEST SIDE OF THE ROAD.

DATUM: NAD 27  
LAT: 34° 46' 03.2" N  
LONG: 97° 35' 24.2" W  
LAT: 34.767556° N  
LONG: 97.590049° W  
STATE PLANE COORDINATES: (US FEET)  
ZONE: OK SOUTH  
X: 2123122  
Y: 522181

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

DATE OF DRAWING: 06-27-19  
JOB NO.: 19002177 DATE STAKED: 06-20-19

CERTIFICATE:  
I, MICHAEL C. RAY on Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein  
Oklahoma Lic. No. 1653

