

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

API NUMBER: 049 25308

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

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 3N Rge: 4W County: GARVIN
SPOT LOCATION: NW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 253 437

Lease Name: JURGENS 0304 Well No: 2-11-2MXH Well will be 253 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	12045	6
2			7
3			8
4			9
5			10

Spacing Orders: 659228
659164

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903602
201903601

Special Orders:

Total Depth: 22785

Ground Elevation: 1138

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36921

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 02 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 11759

Radius of Turn: 462

Direction: 5

Total Length: 10300

Measured Total Depth: 22785

True Vertical Depth: 12761

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

Notes:

Category

Description

DEEP SURFACE CASING

8/27/2019 - GC3 - 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

8/27/2019 - GC3 - 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

MEMO

8/27/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201903601

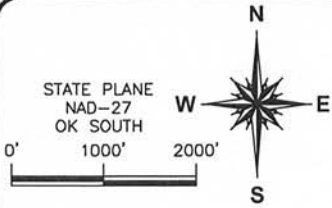
9/12/2019 - GB6 - (E.O.) 2 & 11 -3N-4W
X659228 MSSP, OTHERS 2-3N-4W
X659164 MSSP, OTHERS 11-3N-4W
COMPL. INT. (2-3N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. (11-3N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL
MARATHON OIL COMPANY
REC. 8/20/2019 (NORRIS)

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.

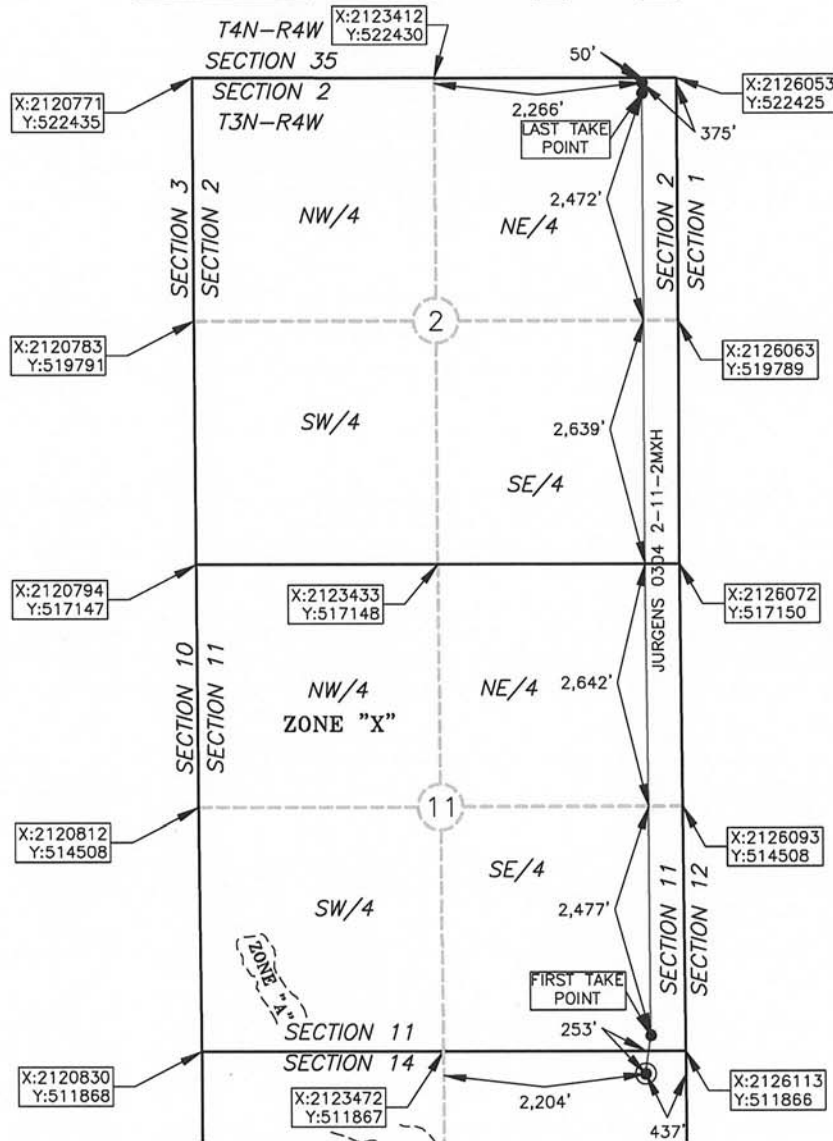
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PENDING CD - 201903602	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)
SURFACE CASING	8/27/2019 - GC3 - MIN. 300' PER ORDER 27640

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.



253' FNL - 437' FEL SECTION 14 TOWNSHIP 03N RANGE 04W I.M.



PROPOSED
 BOTTOM HOLE
 50' FNL - 375' FEL
 NAD 27 (US FEET)
 N34°46'05.0"
 W97°34'53.5"
 N34.768063
 W97.581536
 X:2125678
 Y:522376

PROPOSED
 LAST TAKE POINT
 165' FNL - 375' FEL
 NAD 27 (US FEET)
 N34°46'03.9"
 W97°34'53.5"
 N34.767747
 W97.581536
 X:2125679
 Y:522261

PROPOSED
 FIRST TAKE POINT
 165' FNL - 375' FEL
 NAD 27 (US FEET)
 N34°44'22.7"
 W97°34'53.3"
 N34.739638
 W97.581483
 X:2125737
 Y:512031

PROPOSED
 SURFACE HOLE
 253' FNL - 437' FEL
 NAD 27 (US FEET)
 N34°44'18.6"
 W97°34'54.1"
 N34.738490
 W97.581687
 X:2125678
 Y:511613

ELEVATION:
 1,138' GR. AT STAKE NAVD88
 1,135' GR. AT STAKE NGVD29

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

WELL NO.: 2-11-2MXH

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

BEST ACCESS TO LOCATION: FROM THE WEST SIDE OF COUNTY ROAD 3040 ALONG AN EXISTING LEASE ROAD.

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF OK HWY 76 & E COUNTY ROAD 1558 APPROX. 3.8 MI. THENCE EAST ALONG E COUNTY ROAD 1558 APPROX. 0.8 MI. THENCE SOUTH EAST ALONG N COUNTY ROAD 3040 APPROX. 1.1 MI, THENCE WEST ALONG A LEASE ROAD APPROX. 0.6 MI. THE PAD IS ON THE WEST SIDE OF THE LEASE ROAD.

DATUM: NAD 27
 LAT: 34° 44' 18.6" N
 LONG: 97° 34' 54.1" W
 LAT: 34.738490° N
 LONG: 97.581687° W
 STATE PLANE
 COORDINATES: (US FEET)
 ZONE: OK SOUTH
 X: 2125678
 Y: 511613

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

DATE OF DRAWING: 07-23-19
 JOB NO.: 19002175 DATE STAKED: 07-15-19

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

