

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

API NUMBER: 011 24136

Approval Date: 12/07/2018
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 14N Rge: 11W County: BLAINE
SPOT LOCATION: SW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 261 389

Lease Name: POST OAK 10-14N-11W Well No: 1H Well will be 261 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

WILLIAM A. & PATRICIA A. MAIB
260724 E. 940 RD.
GEARY OK 73040

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	11753	6
2			7
3			8
4			9
5			10

Spacing Orders: 599263

Location Exception Orders: 686389

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16521

Ground Elevation: 1459

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 100

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: 8000 Average: 5000

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: DOG CREEK

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 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: DOG CREEK

HORIZONTAL HOLE 1

Sec 10 Twp 14N Rge 11W County BLAINE

Spot Location of End Point: N2 NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 11291

Radius of Turn: 462

Direction: 353

Total Length: 4504

Measured Total Depth: 16521

True Vertical Depth: 12002

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

Notes:

Category

Description

DEEP SURFACE CASING

11/27/2018 - 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

11/27/2018 - 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

INTERMEDIATE CASING

11/27/2018 - 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

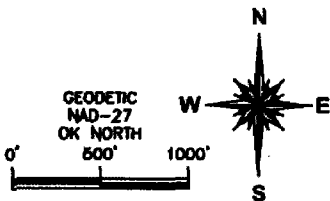
LOCATION EXCEPTION - 686389

12/6/2018 - G56 - (I.O.) 10-14N-11W
X599263 MSSP
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
MARATHON OIL COMPANY
11/8/2018

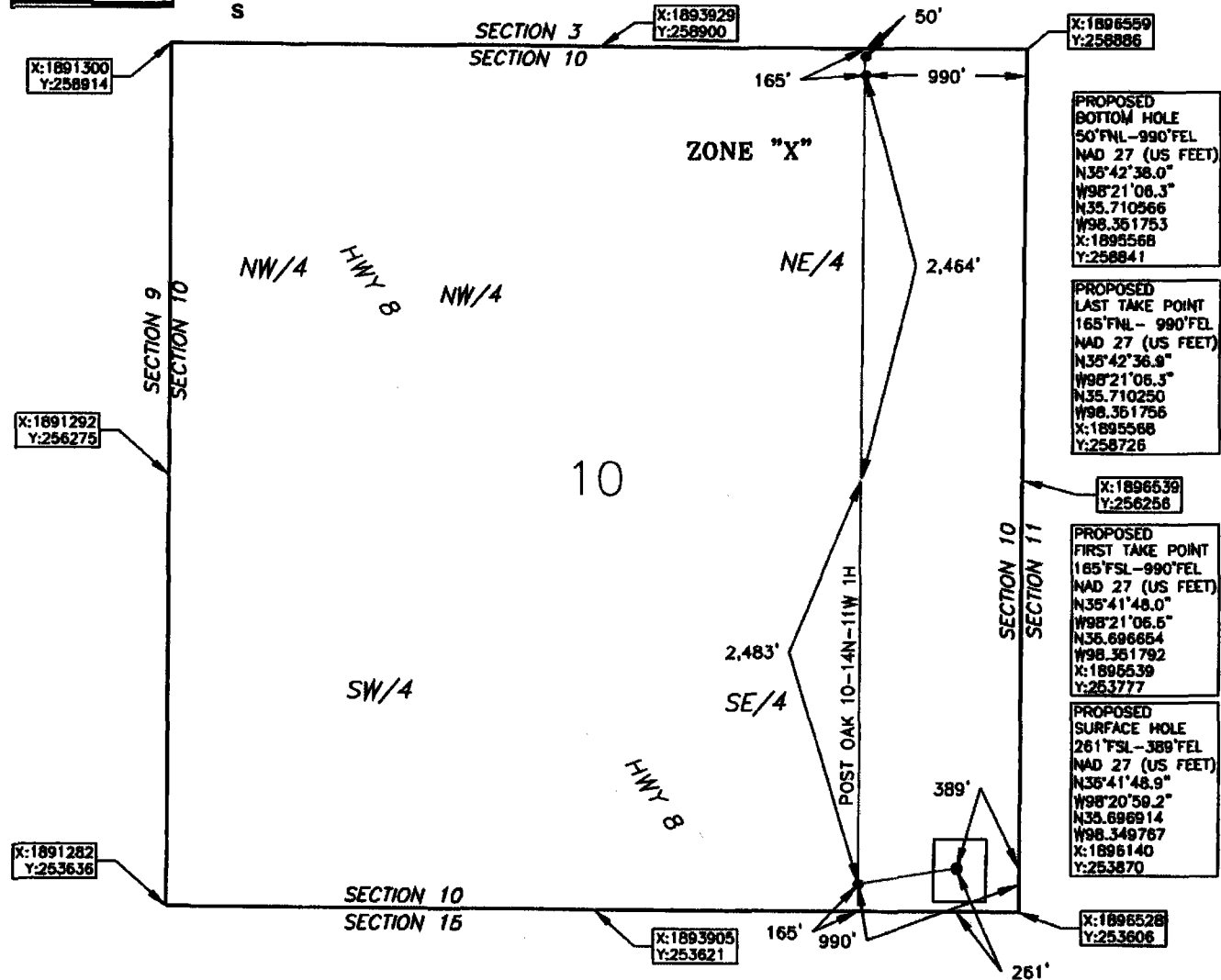
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
MEMO	11/27/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 599263	12/6/2018 - G56 - (640) 10-14N-11W VAC 420480 CSTR EXT 590782 MSSP, OTHERS

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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.



BLAINE COUNTY, OKLAHOMA
261' FSL - 389' FEL SECTION 10 TOWNSHIP 14N RANGE 11W 1M.



PROPOSED
BOTTOM HOLE
50' FNL - 990' FEL
NAD 27 (US FEET)
N35°42'38.0"
W98°21'06.3"
N35.710566
W98.351753
X:1895568
Y:256841

PROPOSED
LAST TAKE POINT
165' FNL - 990' FEL
NAD 27 (US FEET)
N35°42'36.9"
W98°21'06.3"
N35.710250
W98.351756
X:1895568
Y:256726

PROPOSED
FIRST TAKE POINT
165' FNL - 990' FEL
NAD 27 (US FEET)
N35°41'48.0"
W98°21'06.5"
N35.696654
W98.351792
X:1896539
Y:253777

PROPOSED
SURFACE HOLE
261' FSL - 389' FEL
NAD 27 (US FEET)
N35°41'48.9"
W98°20'59.2"
N35.696914
W98.349767
X:1896140
Y:253870

OPERATOR: MARATHON OIL COMPANY

LEASE NAME: POST OAK 10-14N-11W

WELL NO.: 1H

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:
1,459' GR. AT STAKE NAVD88
1,456' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET NONE

BEST ACCESS TO LOCATION: E0910 RD TO THE NORTH

DISTANCE AND DIRECTION
FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF OK HWY 8 AND 1ST. STREET IN GREENFIELD, OK DRIVE SOUTH ALONG OK HWY 8 FOR APPROX. 2.4 MILES FOR THE INTERSECTION OF HWY 8 & E0910 RD. APPROX. 0.29 MILES. CONT. ON E0910 RD. APPROX. 0.29 MILES. SITE IS IN THE FIELD ON THE NORTH SIDE OF E0910 RD

DATUM: NAD 27
LAT: 35° 41' 48.9" N
LONG: 98° 20' 59.2" W
LAT: 35.696914° N
LONG: 98.349767° W
STATE PLANE
COORDINATES: (US FEET)
ZONE: OK NORTH
X: 1896140
Y: 253870

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

DATE OF DRAWING: 10/23/18
DATE STAKED: 10/15/18
JOB NO.: 18003289

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 10/30/18
Oklahoma Lic. No. 1927

