

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

API NUMBER: 011 24046

Approval Date: 07/19/2018

Expiration Date: 01/19/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 260 1675

Lease Name: OLIVE JUNE 1710

Well No: 4-22-15MXH

Well will be 260 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

COLETA M. STARK
2475 E. 996 ROAD
WEATHERFORD OK 73096

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

Name	Depth	Name	Depth
1 MERAMEC	9093	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 649535

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803763
201803762
201803754
201803755
201803764

Special Orders:

Total Depth: 19853

Ground Elevation: 1224

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 60

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: FLOWERPOT

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: FLOWERPOT

HORIZONTAL HOLE 1

Sec 15 Twp 17N Rge 10W County BLAINE

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8743

Radius of Turn: 477

Direction: 5

Total Length: 10361

Measured Total Depth: 19853

True Vertical Depth: 9093

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

Notes:

Category

Description

DEEP SURFACE CASING

7/11/2018 - 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

7/11/2018 - 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

7/11/2018 - 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

MEMO

7/11/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

011 24046 OLIVE JUNE 1710 4-22-15MXH

Category	Description
PENDING CD - 201803754	7/18/2018 - G57 - 15-17N-10W X649535 MRMC 3 WELLS NO OP. NAMED REC 6-4-2018 (M. PORTER)
PENDING CD - 201803755	7/18/2018 - G57 - 22-17N-10W X649535 MRMC 3 WELLS NO OP. NAMED REC 6-4-2018 (M. PORTER)
PENDING CD - 201803762	7/18/2018 - G57 - (I.O.) 22 & 15-17N-10W EST MULTUNIT HORIZONTAL WELL X649535 MRMC 50% 22-17N-10W 50% 15-17N-10W NO OP. NAMED REC 6-4-2018 (M. PORTER)
PENDING CD - 201803764	7/18/2018 - G57 - 22 & 15-17N-10W X649535 MRMC X165:10-3-28(C)(2)(B) MRMC (OLIVE JUNE 1710 4-22-15MXH) MAY BE CLOSER THAN 600' TO THE HOBERECHT NO. 1-15 NO OP. NAMED REC 6-4-2018 (M. PORTER)
PENDING CD - 20183763	7/18/2018 - G57 - (I.O.) 22 & 15-17N-10W X649535 MRMC COMPL. INT. (22-17N-10W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (15-17N-10W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 6-4-2018 (M. PORTER)
SPACING - 649535	7/18/2018 - G57 - (640)(HOR) 15 & 22-17N-10W EST MRMC, OTHER POE TO BHL NCT 660' FB (COEXIST W/ SP. ORDER 95567 MRMC)



BLAINE COUNTY, OKLAHOMA

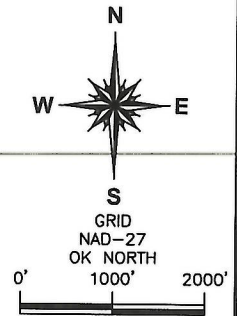
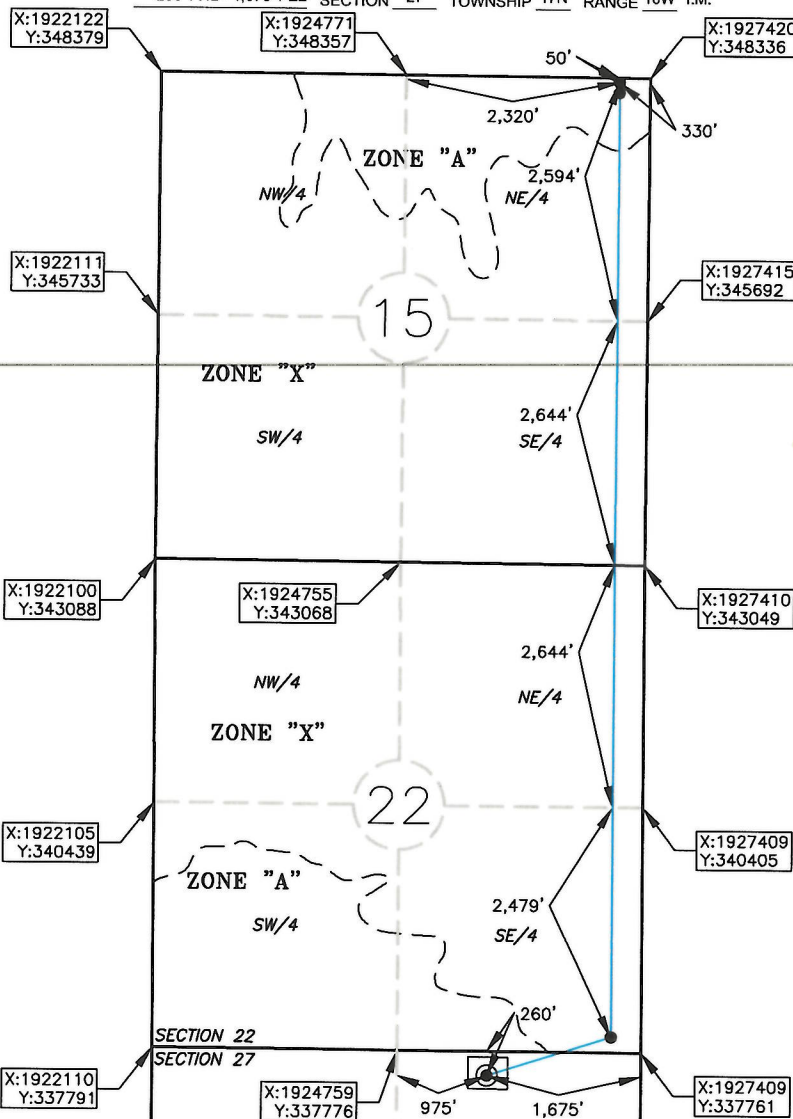
260' FNL - 1,675' FEL SECTION 27 TOWNSHIP 17N RANGE 10W I.M.

PROPOSED
BOTTOM HOLE
50' FNL - 330' FEL
NAD 27 (US FEET)
N35°57'23.6"
W98°14'46.8"
N35.956564
W98.246345
X:1927090
Y:348289

PROPOSED
LAST TAKE POINT
165' FNL - 330' FEL
NAD 27 (US FEET)
N35°57'22.5"
W98°14'46.8"
N35.956248
W98.246344
X:1927090
Y:348174

PROPOSED
FIRST TAKE POINT
165' FNL - 330' FEL
NAD 27 (US FEET)
N35°55'41.2"
W98°14'46.7"
N35.928102
W98.246295
X:1927079
Y:337928

PROPOSED
SURFACE HOLE
260' FNL - 1,675' FEL
NAD 27 (US FEET)
N35°55'37.0"
W98°15'03.0"
N35.926944
W98.250834
X:1925734
Y:337510



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: OLIVE JUNE 1710

WELL NO.: 4-22-15MXH

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:

1,227' GR. AT STAKE NAVD88

1,224' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET NONE

BEST ACCESS TO LOCATION: E0750 RD TO THE SOUTH.

DISTANCE AND DIRECTION
FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY 8 AND OK HWY 3 IN WATONGA, OK DRIVE NORTHERLY ON OK HWY 8 FOR APPROX. 9 MILES. THEN
DRIVE EAST ON E0750 RD FOR APPROX. 5.8 MILES. SITE IS IN THE FIELD ON THE NORTH SIDE OF THE ROAD.

DATUM: NAD 27

LAT: 35° 55' 37.0" N

LONG: 98° 15' 03.0" W

LAT: 35.926944° N

LONG: 98.250834° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK NORTH

X: 1925734

Y: 337510

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

JOB NO.: 18000055

DATE OF DRAWING: 03/02/18

DATE STAKED: 02/28/18

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
Oklahoma Lic. No. 1927

3/6/18

