

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

API NUMBER: 073 25551

Approval Date: 03/07/2017
Expiration Date: 09/07/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 15N Rge: 9W County: KINGFISHER
SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 255 930

Lease Name: TAN 1509 Well No: 8-4-33MXH Well will be 255 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

ROBERTA CASTONGUAY
1021 STARLITE DR.
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	9453	6
2			7
3			8
4			9
5			10

Spacing Orders: 624271 Location Exception Orders: 660833 Increased Density Orders: 661209
652808 661449
661270

Pending CD Numbers: 201605650

Special Orders:

Total Depth: 19803 Ground Elevation: 1204 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 540

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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: CHICKASHA

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 33 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 941

Depth of Deviation: 9174

Radius of Turn: 462

Direction: 359

Total Length: 9903

Measured Total Depth: 19803

True Vertical Depth: 10156

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

1/23/2017 - 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

1/23/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INCREASED DENSITY - 661209

1/24/2017 - G60 - 4-15N-9W
X652808 MSSP
8 WELLS
NO OP. NAMED
2/21/17

INCREASED DENSITY - 661449

1/24/2017 - G60 - (33-16N-9W)
X624271 MSSP
7 WELLS
NO OP. NAMED
2-28/17

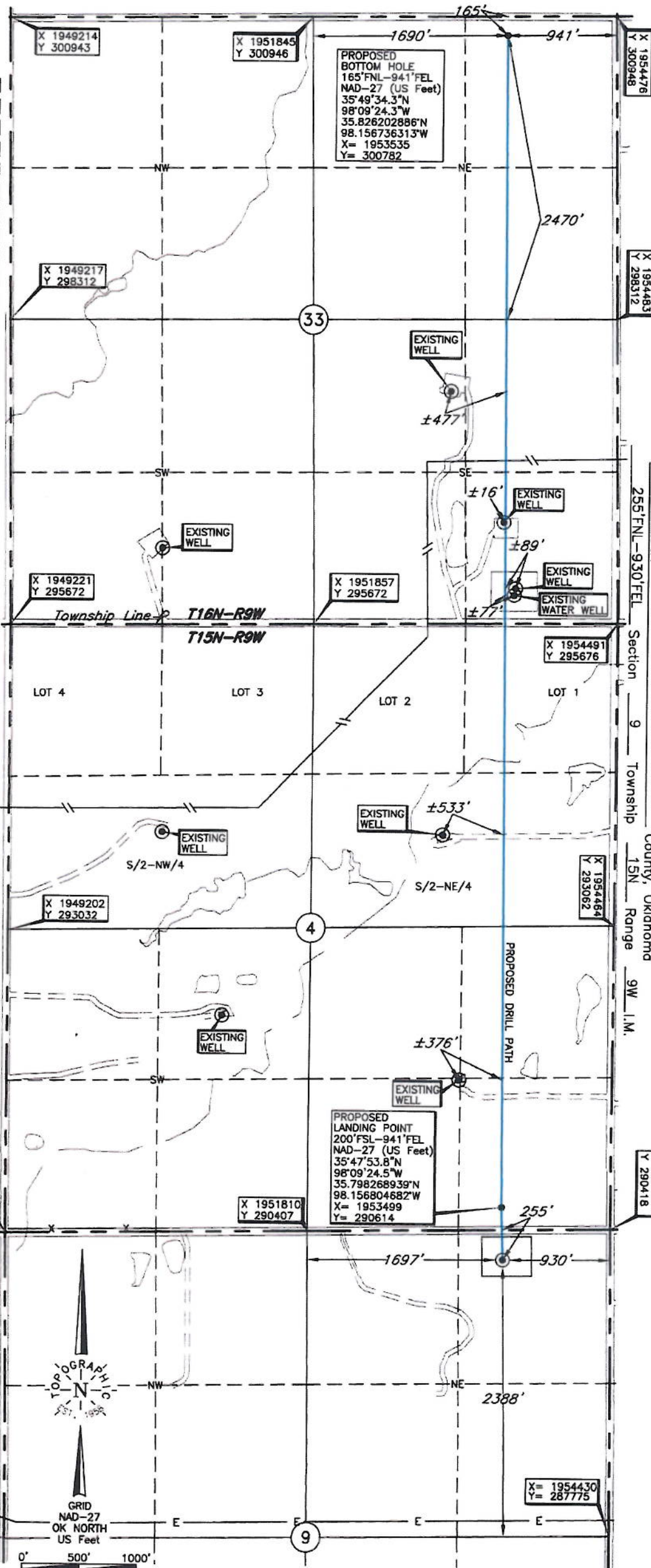
INTERMEDIATE CASING

1/23/2017 - 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

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
LOCATION EXCEPTION - 660833	1/24/2017 - G60 - (I.O.) 4-15N-9W & 33-16N-9W X624271 MSSP (33-16N-9W) X652808 MSSP (4-15N-9W) COMPL. INT. (4-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 941' FEL COMPL. INT. (33-16N-9W) NCT 0' FSL, NCT 165' FNL, NCT 941' FEL NO OP. NAMED 2/8/17
MEMO	1/23/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201605650	1/24/2017 - G60 - (E.O.) 4-15N-9W X165:10-3-28(C)(2)(B) (TAN 1509 8-4-33MXH) MSSP MAY BE CLOSER THAN 600' TO TAN 1509 7-4-33MXH, TAN 1509 9-4-33MXH, HAFFNER 3, AND HAFFNER 4 MARATHON OIL COMPANY REC. 3/6/17 (DECKER)
SPACING - 624271	1/24/2017 - G60 - (640)(HOR) 33-16N-9W VAC 566618 MSSSD, OTHER EST MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB (COEXIST WITH SP. ORDER 56289 MCSTR)
SPACING - 652808	1/24/2017 - G60 - (640)(HOR) 4-15N-9W EXT 624271 MSSP, OTHER COMPL. INT. (MSSP) NCT 600' FB (COEXIST WITH SP. ORDER 56289 MCSTR & SP. ORDER 271165 MRMC, OSGE)
SPACING - 661270	1/24/2017 - G60 - (I.O.) 4-15N-9W & 33-16N-9W EST MULTIUNIT HORIZONTAL WELL X652808 MSSP (4-15N-9W) X624271 MSSP (33-16N-9W) 50% 4-15N-9W 50% 33-16N-9W 2/22/17

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.



BOTTOM HOLE, LANDING POINT, AND DRILL PATH INFORMATION
 PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

ELEVATION:
 1204' Gr. at Stake NGVD29

NOTE:
 The information shown herein is for construction purposes ONLY.

Operator: **MARATHON OIL COMPANY**
 Lease Name: **TAN 1509**
 Topography & Vegetation Loc. fell in plowed wheat field
 Well No.: **8-4-33MKH**

Good Drill Site? Yes
 Reference Stakes or Alternate Location None

Best Accessibility to Location From North off county road
 Distance & Direction From the junction of US Hwy. 81 and St. Hwy. 33 in Kingfisher, Ok.
 From Hwy Jct or Town From the junction of US Hwy. 81 and St. Hwy. 33 in Kingfisher, Ok.
 go ±13 miles West on St. Hwy. 33, then ±3 miles South to the NE Cor. of Sec. 9-T15N-R9W

DATUM: NAD-27
LAT: 35°47'49.3"N
LONG: 98°09'24.4"W
LAT: 35°79'018738"N
LONG: 98.156774229°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1953507
Y: 290159

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

DATE OF DRAWING: Dec. 12, 2016
INVOICE # 269137 **DATE STAKED:** Nov. 3, 2016

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Lic. No. 1443

