

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

API NUMBER: 073 25665

Approval Date: 06/07/2017
Expiration Date: 12/07/2017

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: 255 970

Lease Name: TAN 1509 Well No: 7-4-33MXHA 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	9461	6
2			7
3			8
4			9
5			10

Spacing Orders: 624271 Location Exception Orders: 660832 Increased Density Orders: 661209
652808 661449
661452

Pending CD Numbers:

Special Orders:

Total Depth: 19627 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: 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: 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 15N Rge 9W County KINGFISHER

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1653

Depth of Deviation: 9000

Radius of Turn: 462

Direction: 355

Total Length: 9901

Measured Total Depth: 19627

True Vertical Depth: 9982

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

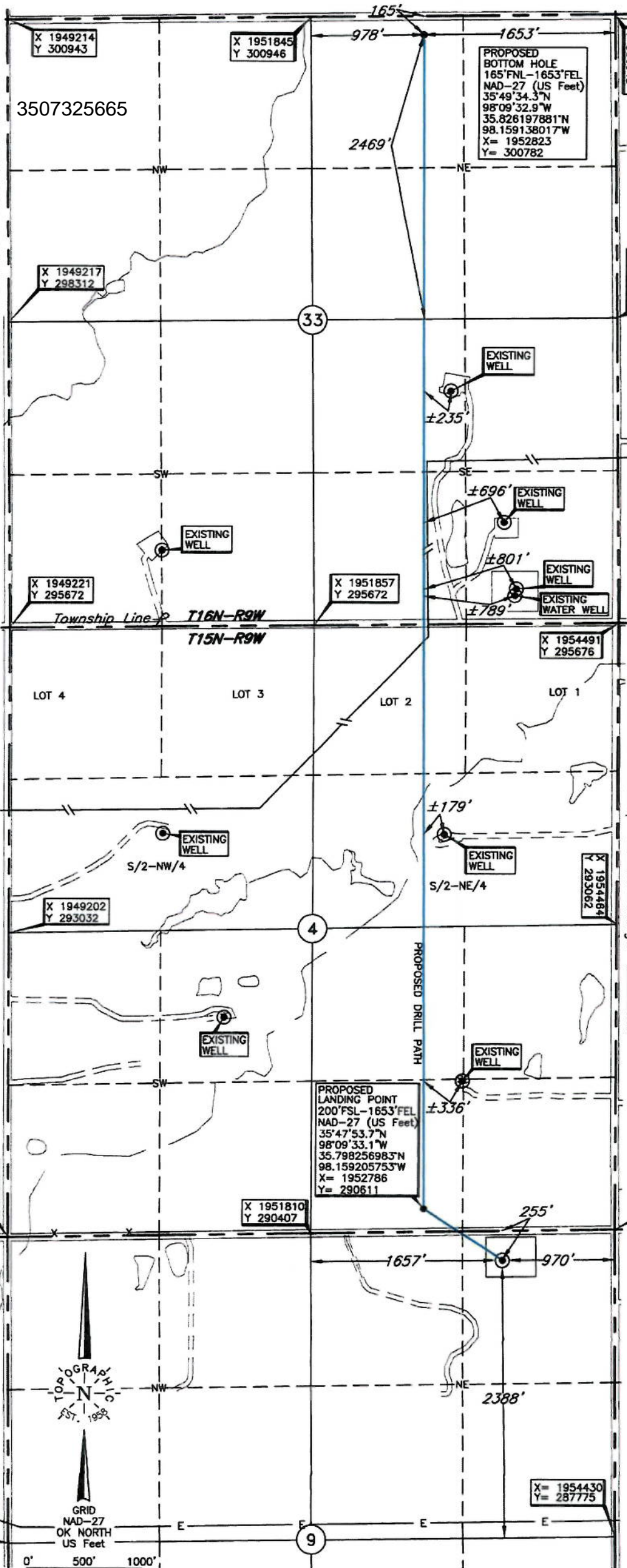
Notes:

Category	Description
DEEP SURFACE CASING	6/6/2017 - 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
EXCEPTION TO RULE - 662774	2/6/2017 - G60 - (E.O.) 4-15N-9W X165:10-3-28(C)(2)(B) MSSP (TAN 1509 7-4-33MXH) MSSP MAY BE CLOSER THAN 600' TO TAN 1509 6-4-33XH, TAN 1509 8-4-33XH, TAN 1509 9-4-33XH, HAFFNER, AND HAFFNER 4 MARATHON OIL COMPANY 4/13/17
HYDRAULIC FRACTURING	6/6/2017 - 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/ 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	2/6/2017 - G60 - 4-15N-9W X652808 MSSP 8 WELLS NO OP. NAMED 2/21/17
INCREASED DENSITY - 661449	2/6/2017 - G60 - (33-16N-9W) X624271 MSSP 7 WELLS NO OP. NAMED 2/28/17

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.

Category	Description
INTERMEDIATE CASING	6/6/2017 - 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
LOCATION EXCEPTION - 660832	2/6/2017 - 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 1653' FEL COMPL. INT. (33-16N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1653' FEL NO OP. NAMED 2/8/17
MEMO	6/6/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 624271	2/6/2017 - 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	2/6/2017 - 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 MPMC, OSGE)
SPACING - 661452	2/6/2017 - 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 2/28/17

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

Operator: MARATHON OIL COMPANY
 Lease Name: TAN 1509 Well No.: 7-4-33MXH
 Topography & Vegetation Loc. fall on existing pod; 20' West of original well bore
 Reference Stakes or Alternate Location
 Good Drill Site? Yes Stakes Set 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.
90 ±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°09'24.9"W
LAT: 35.7970183555"N
LONG: 98.156908849"W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1953467
Y: 290159

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

CERTIFICATE:
 I, Thomas L. Howell on 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

Date of Drawing: Jun. 6, 2017
 Invoice # 277065 Date Staked: Jun. 5, 2017

