

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

API NUMBER: 073 26170

Approval Date: 07/25/2018

Expiration Date: 01/25/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 15N Rge: 9W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 760

Lease Name: MIKE STROUD BIA 1509

Well No: 1-28-33MXH

Well will be 300 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

WWS, LLC.
P.O. BOX 58
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN SOLID	9030	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 198249
161901
672017

Location Exception Orders: 671935
672015
672016

Increased Density Orders: 670365
677221

Pending CD Numbers:

Special Orders:

Total Depth: 20096

Ground Elevation: 1310

Surface Casing: 630

Depth to base of Treatable Water-Bearing FM: 380

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: BLAINE

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: BLAINE

HORIZONTAL HOLE 1

Sec 28 Twp 15N Rge 9W County KINGFISHER

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: 8847

Radius of Turn: 573

Direction: 5

Total Length: 10349

Measured Total Depth: 20096

True Vertical Depth: 10590

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/16/2018 - 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

INCREASED DENSITY - 670365

7/20/2018 - G57 - 33-15N-9W
X161901 MSSSD
8 WELLS
MARATHON OIL COMPANY
11-22-2017

INCREASED DENSITY - 677221

7/20/2018 - G57 - 28-15N-9W
X198249 MSSSD
7 WELLS
MARATHON OIL COMPANY
5-3-2018

INTERMEDIATE CASING

7/16/2018 - 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

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.

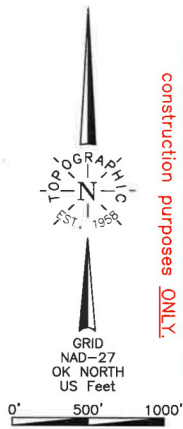
073 26170 MIKE STROUD BIA 1509 1-28-33MXH

Category	Description
LOCATION EXCEPTION - 671935	7/19/2018 - G57 - (I.O.) 33 & 28-15N-9W X161901 MSSSD 33-15N-9W X198249 MSSSD 28-15N-9W COMPL. INT. (33-15N-9W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (28-15N-9W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL MARATHON OIL COMPANY 1-9-2018
LOCATION EXCEPTION - 672015	7/20/2018 - G57 - (I.O.) 28-15N-9W X165:10-3-28(C)(2)(B) MSSSD (MIKE STROUD BIA 1509 1-28-33MXH) MAY BE CLOSER THAN 600' TO THE STROUD 2, COLUMBIA 1-28, MJ 1-28, APOLLO 1-28, MIKE STROUD 1-28H, HUBBARD B1, SKYLAB 2-28 & PROPOSED HORIZONTAL WELLS MARATHON OIL COMPANY 1-10-2018
LOCATION EXCEPTION - 672016	7/20/2018 - G57 - (I.O.) 33-15N-9W X165:10-3-28(C)(2)(B) MSSSD (MIKE STROUD BIA 1509 1-28-33MXH) MAY BE CLOSER THAN 600' TO THE STROUD 33-A, DARRELL 1-33, THUNDERBULL USA 1-33, FIJI 1-33 & PROPOSED HORIZONTAL WELLS MARATHON OIL COMPANY 1-10-2018
MEMO	7/16/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 161901	7/19/2018 - G57 - (640) 33-15N-9W EXT OTHERS EXT OTHERS EST MSSSD, OTHER
SPACING - 198249	7/19/2018 - G57 - (640) 28-15N-9W EXT OTHERS EXT 139333 MSSSD, OTHER
SPACING - 672017	7/20/2018 - G57 - (I.O.) 33 & 28-15N-9W EST MULTIUNIT HORIZONTAL WELL X161901 MSSSD 33-15N-9W X198249 MSSSD 28-15N-9W 50% 33-15N-9W 50% 28-15N-9W MARATHON OIL COMPANY 1-10-2018

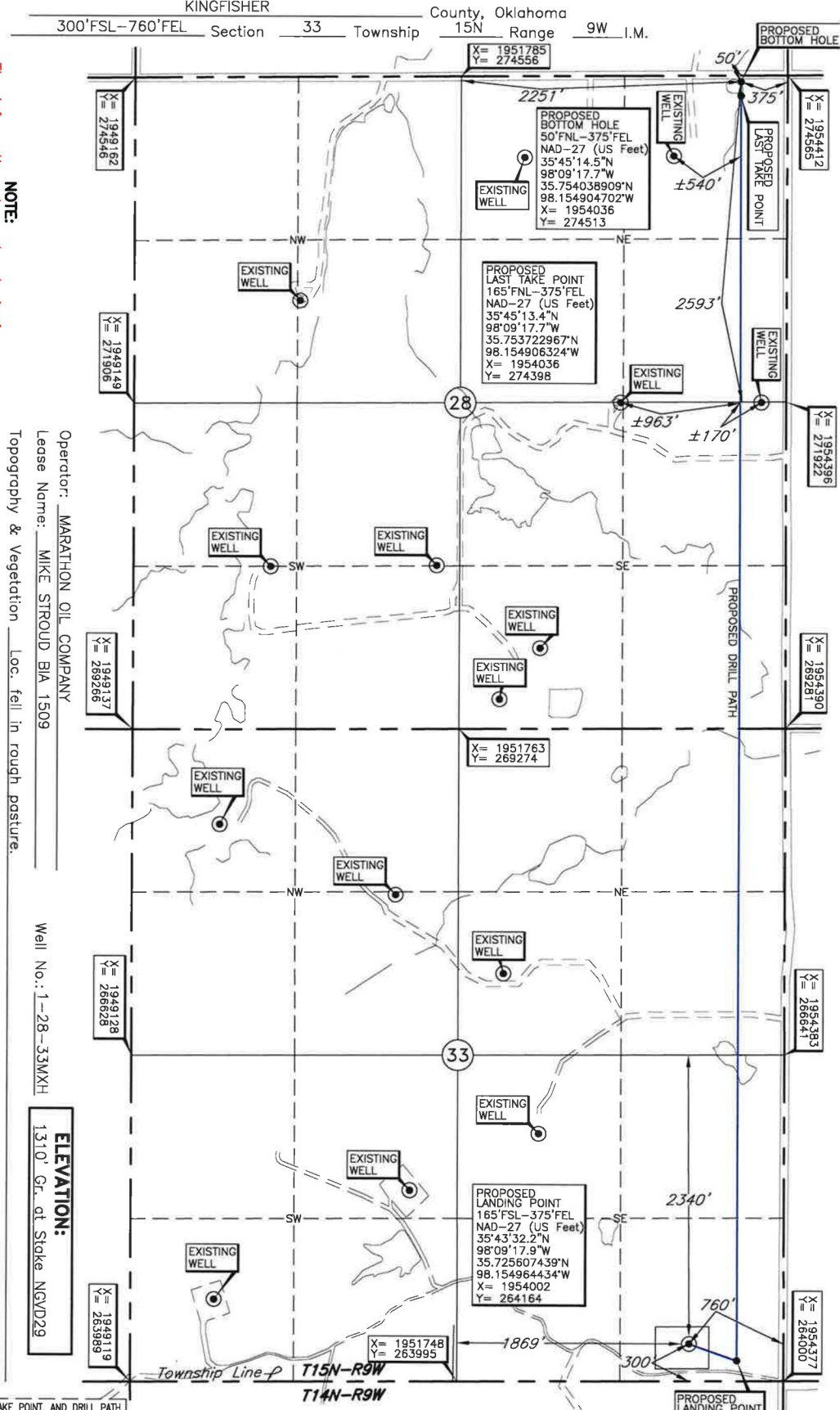
This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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



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

DATUM: NAD-27
LAT: 35°43'33.5"N
LONG: 98°09'22.5"W
LAT: 35.7259745011°N
LONG: 98.156261049°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1953617
Y: 264299

Revision ☒ B Date of Drawing: Apr. 3, 2017
Invoice # 269700G Date Staked: Feb. 20, 2017

CERTIFICATE:

I, Lee K. Goss, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1778



Operator: MARATHON OIL COMPANY
Lease Name: MIKE STROUD BIA 1509
Topography & Vegetation: Loc. fell in rough pasture.
Well No.: 1-28-33MXH
ELEVATION: 1310' Gr. at Stake NGVD29

Good Drill Site? Yes
Best Accessibility to Location: From the South off lease road.
Distance & Direction from Hwy Jet or Town: From Okarche, OK, go ±10 miles West to the SE Cor. of Sec. 33-15N-9W.

Reference Stakes or Alternate Location
Stakes Set: None