

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

API NUMBER: 039 22551

Approval Date: 08/17/2018

Expiration Date: 02/17/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 15N Rge: 16W

County: CUSTER

SPOT LOCATION: ☐ SW ☐ SW ☐ SW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2370 2330

Lease Name: CROSSTOWN TRAFFIC

Well No: 1HX-1015

Well will be 2330 feet from nearest unit or lease boundary.

Operator Name: MEP OPERATING LLC

Telephone: 7134521661

OTC/OCC Number: 24146 0

MEP OPERATING LLC
333 CLAY ST STE 2800
HOUSTON, TX 77002-4168

RON JONES
23614 STATE HWY. 47
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13395	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 674742
674151
681269

Location Exception Orders: 681166

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 20600

Ground Elevation: 1794

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 360

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35116

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 15 Twp 15N Rge 16W County CUSTER

Spot Location of End Point: S2 SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2310

Depth of Deviation: 12255

Radius of Turn: 573

Direction: 179

Total Length: 7445

Measured Total Depth: 20600

True Vertical Depth: 13395

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

Notes:

Category

Description

DEEP SURFACE CASING

8/9/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/8/2018 - 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

LOCATION EXCEPTION - 681166

8/17/2018 - G75 - (I.O.) 10 & 15-15N-16W
X674742 MSSP, OTHER 10-15N-16W
X674151 MSSP, OTHER 15-15N-16W
COMPL. INT. (10-15N-16W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL **
COMPL. INT. (15-15N-16W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL
NO OP. NAMED
8-9-2018

** S/B COMPL. INT. (10-15N-16W) NCT 2640' FSL, NCT 0' FSL, NCT 330' FWL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR

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

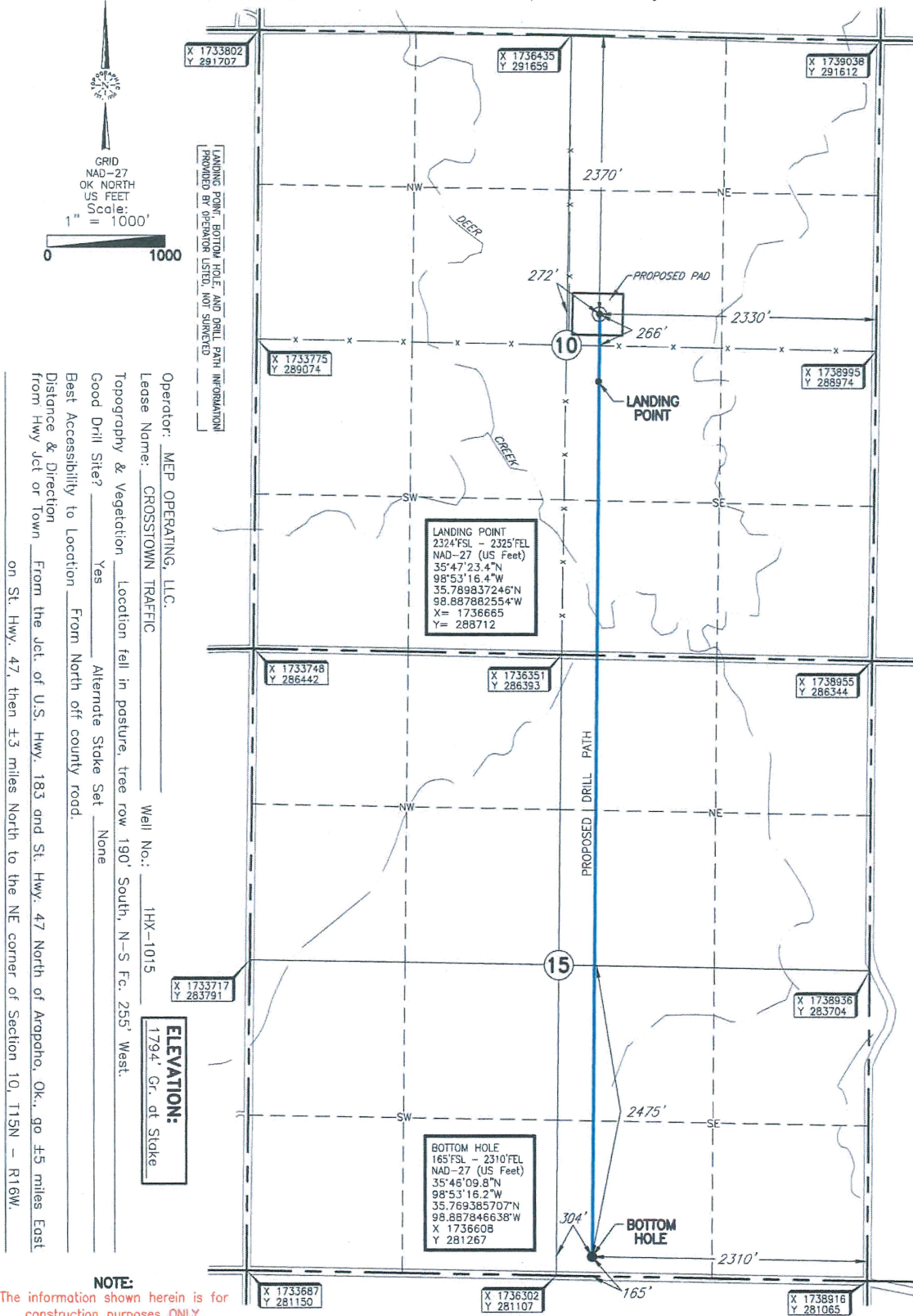
039 22551 CROSSTOWN TRAFFIC 1HX-1015

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	8/8/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - DEER CREEK); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 674151	8/17/2018 - G75 - (640)(HOR) 15-15N-16W EST MSSP, OTHER POE TO BHL NCT 660' FB
SPACING - 674742	8/17/2018 - G75 - (640)(HOR) 10-15N-16W VAC 75676 MRMC EST MSSP, OTHER POE TO BHL NCT 660' FB
SPACING - 681269	8/17/2018 - G75 - (I.O.) 10 & 15-15N-16W EST MULTIUNIT HORIZONTAL WELL X674742 MSSP, OTHER 10-15N-16W X674151 MSSP, OTHER 15-15N-16W 33.33% 10-15N-16W 66.67% 15-15N-16W NO OP. NAMED 8-10-2018
SURFACE CASING	8/8/2018 - G71 - MIN. 500' PER ORDER # 42589

CUSTER County, Oklahoma
2370' FNL - 2330' FEL Section 10 Township 15N Range 16W I.M.



DATUM: NAD-27
LAT: 35°47'29.1"N
LONG: 98°53'16.4"W
LAT: 35.791411403"N
LONG: 98.887885319"W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1736670
Y: 289285

Date of Drawing: Aug. 7, 2018
Invoice # 300170 Date Staked: June 8, 2018 RKM/TR

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. 1433

