API NUMBER: 039 22551

Oil & Gas

Horizontal Hole

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

Approval Date: 08/17/2018
Expiration Date: 02/17/2019

PERMIT TO DRILL

WELL LOCATION: Se	ec: 10	Twp:	15N	Rge:	16W	County:	CUSTER
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SPOT LOCATION: 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

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

H. SEE MEMO

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	Location Exception Orders:	681166		Increased Density Orders:
	674151	·			,
	681269				

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

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.

PERMIT NO: 18-35116

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. 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.

039 22551 CROSSTOWN TRAFFIC 1HX-1015

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 HORÍZONTAL 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

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS API 039-22551 CUSTER _ County, Oklahoma <u>2370'FNL - 2330'FEL</u> Section <u>10</u> Township <u>15N</u> Range <u>16W</u> I.M. GRID
NAD-27
OK NORTH
US FEET
Scale:
1" = 1000' LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED 2370' PEER 1000 272 PROPOSED PAD 2330 266 (10)X 1733775 Y 289074 X 1738995 Y 288974 Distance & Direction from Hwy Jct or Tov Best Accessibility to Location Good Drill Site? Operator: LANDING POINT MEP OPERATING, 80 Vegetation CROSSTOWN Town LANDING POINT 2324 FSL - 2325 FEL NAD-27 (US Feet) 35 47 23.4 N 98-53 16.4 W 35.789837246 N 98.887882554 W X= 1736665 Y= 288712 From Yes Location TRAFFIC St the From Jct. fell 47, Alternate North off c X 1733748 Y 286442 of U.S. X 1736351 Y 286393 3. X 1738955 Y 286344 pasture, ±3 miles North to Hwy. county Stake PATH tree row 183 DRILL Set road. and Well No.: St Hwy the NE. 1HX-1 47 N-S corner North 1015 (15)Fc. X 1733717 Y 283791 of Section of 255 Arapaho, ELEVATION: 1794' Gr. at S West. 10, Š T15N 2475 go BOTTOM HOLE 165'FSL - 2310'FEL NAD-27 (US Feet) 35'46'09.8"N 98'53'16.2"W 35.769385707'N 98.887846638'W X 1736608 Y 281267 ±5 R16W. miles BOTTOM HOLE 2310' NOTE: X 1733687 Y 281150 X 1738916 Y 281065 The information shown herein is for construction purposes ONLY. Date of Drawing: Aug. 7, 2018 ESSIONAL DATUM: NAD-27 Invoice # 300170 Date Staked: _ June 8, 2018 RKM/TR LAT: 35'47'29.1"N LONG: 98'53'16.4"W **CERTIFICATE:** 35.791411403'N LAT: ___ THOMAS L SURVE Thomas L. Howell I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the HOWELL LONG: 98.887885319°W STATE PLANE COORDINATES (US FEET): 1433 information shown herein. This ered ZONE: OK NORTH Thom I. Never OKLAHOMA 1736670 gath 289285 Oklahoma Lic. No. __