

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

API NUMBER: 045 23665

Approval Date: 05/31/2017  
Expiration Date: 11/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 19N Rge: 26W County: ELLIS  
SPOT LOCATION:  NE  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 100 1600

Lease Name: HARVEY DEAL 2 OB Well No: #1HM Well will be 100 feet from nearest unit or lease boundary.  
Operator Name: MEWBOURNE OIL COMPANY Telephone: 9035612900 OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY  
PO BOX 7698  
TYLER, TX 75711-7698

H. RANDY DEAL  
172945 EAST COUNTY ROAD 59  
SHATTUCK OK 73858

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

	Name	Depth	Name	Depth
1	DES MOINES	8770	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 131723

Location Exception Orders: 634037  
658600  
647079

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13596

Ground Elevation: 2513

**Surface Casing: 2000**

Depth to base of Treatable Water-Bearing FM: 700

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**PIT 1 INFORMATION**

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 7500

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: 1B**

**Liner required for Category: 1B**

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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.

HORIZONTAL HOLE 1

Sec 02 Twp 19N Rge 26W County ELLIS

Spot Location of End Point: C N2 N2 NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 8273

Radius of Turn: 575

Direction: 4

Total Length: 4420

Measured Total Depth: 13596

True Vertical Depth: 8773

End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	5/24/2017 - 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	5/24/2017 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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
LOCATION EXCEPTION - 634037	5/31/2017 - G64 - (I.O.) 2-19N-26W X131726 DSMN POE TO BHL NCT 330' FSL, NCT 330' FNL, NCT 600' FEL MEWBOURNE OIL COMPANY 12-10-2014 (EXT UNTIL 12-10-2017)
LOCATION EXCEPTION - 647079	5/31/2017 - G64 - EXT ORDER 634037 UNTIL 12-10-2016
LOCATION EXCEPTION - 658600	5/31/2017 - G64 - EXT ORDER 634037/647079 UNTIL 12-10-2017
SPACING - 131723	5/31/2017 - G64 - (640) 2-19N-26W EXT 126639 DSMN EST OTHER

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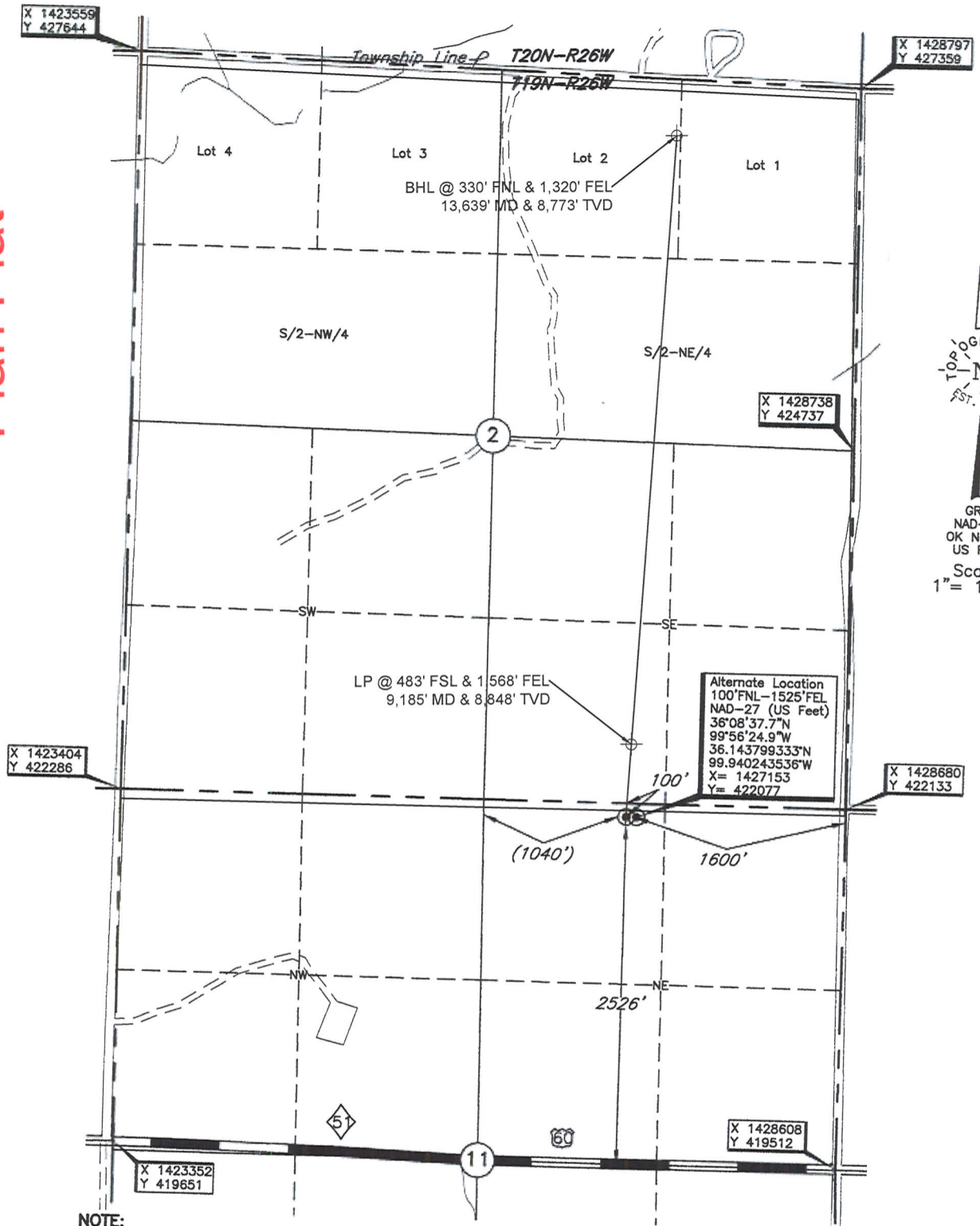
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293. LS

ELLIS County, Oklahoma

100'FNL-1600'FEL Section 11 Township 19N Range 26W I.M.

Plan Plat



NOTE:

The information shown herein is for construction purposes ONLY.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

Operator: MEWBOURNE OIL COMPANY

Lease Name: HARVEY DEAL 2

Well No.: PA#1HM

ELEVATION:

2513' Gr. at Stake

Topography & Vegetation Loc. fell in sloping grass pasture

Good Drill Site? Yes Alt: Yes

Reference Stakes or Alternate Location

Stakes Set Alt: 100'FNL-1525'FEL Elev: 2508' Gr. at Stake

Best Accessibility to Location From East off county road

Distance & Direction

from Hwy Jct or Town From the Jct. of US Hwy. 60 E-W & US Hwy. 283 North, go ±3 miles West, then ±0.5 miles North to the NE Cor. of Sec. 11-T19N-R26W

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

DATUM: NAD-27  
 LAT: 36°08'37.7"N  
 LONG: 99°56'25.8"W  
 LAT: 36.143801303° N  
 LONG: 99.940497622° W

STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1427078  
 Y: 422080

Date of Drawing: Jul. 7, 2015  
 Invoice # 246766 Date Staked: Jul. 1, 2015 LC

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

