

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

API NUMBER: 045 23742

Approval Date: 05/11/2018

Expiration Date: 11/11/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 19N Rge: 26W

County: ELLIS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 200 1220

Lease Name: HARVEY DEAL 2 MD

Well No: #2HM

Well will be 200 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 CR 59

SHATTUCK OK 73858

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

Name	Depth	Name	Depth
1 DES MOINES	8750	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 131723

Location Exception Orders: 675353

Increased Density Orders: 672579

Pending CD Numbers:

Special Orders:

Total Depth: 13963

Ground Elevation: 2509

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 700

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

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

PERMIT NO: 18-34352

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: OGALLALA

HORIZONTAL HOLE 1

Sec 02 Twp 19N Rge 26W County ELLIS

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 8250

Radius of Turn: 573

Direction: 1

Total Length: 4813

Measured Total Depth: 13963

True Vertical Depth: 8750

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

Additional Surface Owner	Address	City, State, Zip
MARIE DEAL LIFE ESTATE	171814 EAST CR 59	SHATTUCK, OK 73858

Notes:

Category

Description

DEEP SURFACE CASING

5/2/2018 - 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

5/2/2018 - 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: OCCWEB.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 - 672579

5/11/2018 - G60 - (F.O.) 2-19N-26W
X131723 DSMN
1 WELL
MEWBOURNE OIL CO.
1/24/18

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

045 23742 HARVEY DEAL 2 MD #2HM

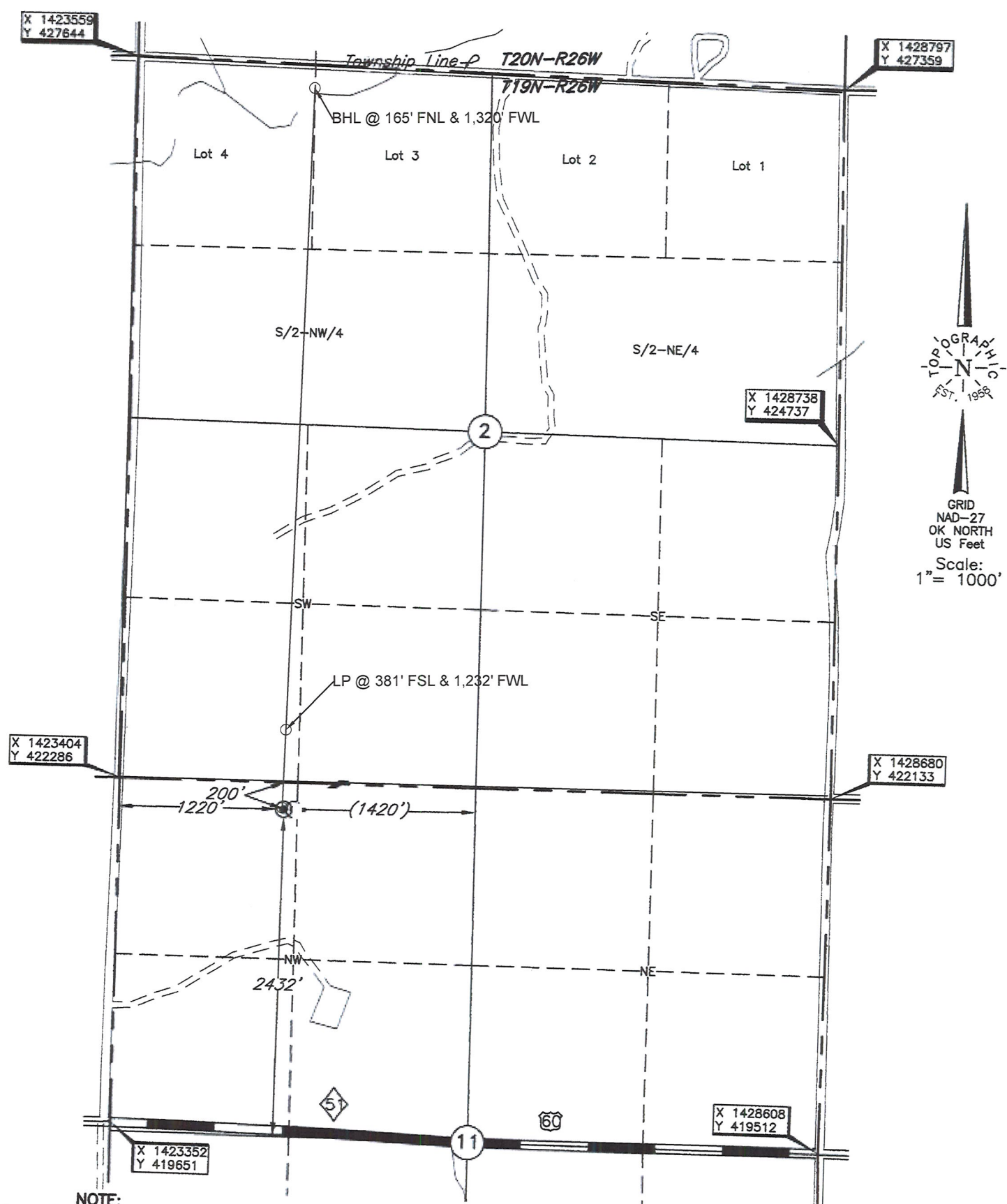
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
LOCATION EXCEPTION - 675353	5/11/2018 - G60 - (I.O.) 2-19N-26W X131723 DSMN POE TO BHL NCT 165' FSL, NCT 165' FNL, NCT 1100' FWL MEWBOURNE OIL COMPANY 3-28-2018
MEMO	5/2/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 131723	5/11/2018 - G60 - (640) 2-19N-26W EXT 126639 DSMN EST OTHER

200'FNL-1220'FWL Section 11 Township 19N Range 26W I.M.

3504523742



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.: MD#2HM

ELEVATION: 2509' 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: 200'FNL-1295'FWL Elev: 2507' Gr. at Stake

Best Accessibility to Location From East or West off county road
Distance & Direction

from Hwy Jct or Town From the Jct. of US. Hwy. 60 E-W & US. Hwy. 283 North, go ±4 miles West, then ±0.5 miles North to the NW Cor. of Sec. 11-T19N-R26W

DATUM: NAD-27
LAT: 36°08'36.9"N
LONG: 99°56'55.7"W
LAT: 36.143586433° N
LONG: 99.948818165° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1424620
Y: 422051

Invoice #246767A Date of Drawing: Jul. 7, 2015
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

