

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

API NUMBER: 043 23590

Approval Date: 01/29/2018

Expiration Date: 07/29/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 17N Rge: 19W

County: DEWEY

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 1570

Lease Name: FIGHTING BULL 4 OA

Well No: 2HC

Well will be 250 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

DALE & RUSSELLENE KAYS

2232 CHERRY

WOODWARD OK 73801

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

Name	Depth	Name	Depth
1 CLEVELAND	8850	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 644689

Location Exception Orders:

Increased Density Orders: 670775

Pending CD Numbers: 201704992

Special Orders:

Total Depth: 13808

Ground Elevation: 1912

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 340

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: 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: RUSH SPRINGS

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

PERMIT NO: 18-33784

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 04 Twp 17N Rge 19W County DEWEY

Spot Location of End Point: W2 NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1200

Depth of Deviation: 8359

Radius of Turn: 573

Direction: 5

Total Length: 4549

Measured Total Depth: 13808

True Vertical Depth: 8864

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

1/19/2018 - 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

1/19/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### INCREASED DENSITY - 670775

1/24/2018 - G75 - 4-17N-19W  
X644689 CLVD  
1 WELL  
NO OP. NAMED  
12-5-2017

#### MEMO

1/19/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

043 23590 FIGHTING BULL 4 OA 2HC

Category	Description
PENDING CD - 201704992	1/24/2018 - G75 - (I.O.) X644689 CLVD SHL (9-17N-19W) NCT 250' FNL, NCT 1570' FEL COMPL. INT. (4-17N-19W) NCT 330' FSL, NCT 330' FNL, NCT 1100' FEL NO OP. NAMED REC 10-25-2017 (P. PORTER)
SPACING - 644689	1/24/2018 - G75 - (640)(HOR) 4-17N-19W EST CLVD, OTHERS POE TO BHL NLT 660' FB

**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

DEWEY

County, Oklahoma

250'FNL-1570'FEL Section 9 Township 17N Range 19W I.M.

Township Line  $\rho$  T18N-R19W

T17N-R19W

BHL @ 330' FNL & 1,200' FEL  
MD: 13,808' & TVD: 8,864'

LOT 4

LOT 3

LOT 2

LOT 1

S/2-NW/4

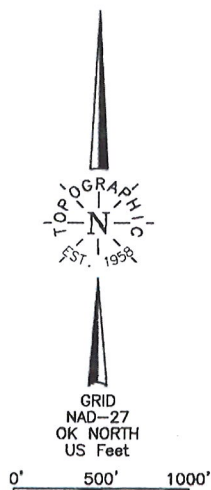
S/2-NE/4

4

POE @ 330' FSL & 1,530' FEL  
MD: 9,259' & TVD: 8,924'

250'

1570'

X= 1633409  
Y= 361105X= 1638672  
Y= 361051X= 1638662  
Y= 358473X= 1638652  
Y= 355839X= 1633448  
Y= 355937X= 1636050  
Y= 355888E/4 Cor. Sec. 9  
X= 1638628  
Y= 353208NOTE:  
The information shown herein is for  
construction purposes ONLY.

Operator: MEWBOURNE OIL COMPANY

Lease Name: FIGHTING BULL 4

Well No.: OA #2HC

**ELEVATION:**

1912' Gr. at Stake

Topography & Vegetation Loc. fell in level pasture,  $\pm 225'$  NW of NE-SW pipeline and  $\pm 113'$  North of E-W pipelineGood Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set NoneBest Accessibility to Location From North off lease road

Distance &amp; Direction

from Hwy Jct or Town From Camargo, OK, go  $\pm 0.5$  mile South then  $\pm 1.0$  mile East, $\pm 1.0$  mile South, then  $\pm 0.2$  mile East, then  $\pm 3.0$  mile SE to the NE Cor. of Sec. 9-T17N-R19W.

DATUM: NAD-27  
 LAT: 35°58'14.4"N  
 LONG: 99°13'35.3"W  
 LAT: 35.970654454°N  
 LONG: 99.226471329°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1637080  
 Y: 355618

Invoice # 277062 Date of Drawing: Jun. 6, 2017

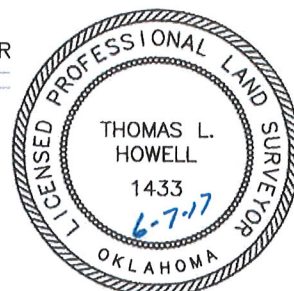
Date Staked: Jun. 5, 2017

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

Oklahoma Lic. No. 1433



This information was  
 gathered with a GPS receiver  
 with  $\pm 1$  foot Horiz./Vert. accuracy.