

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

API NUMBER: 043 23499

Approval Date: 02/13/2017
Expiration Date: 08/13/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 17N Rge: 19W County: DEWEY
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 225 930

Lease Name: **FIGHTING BULL 4 MD** Well No: **1HC** Well will be **225** 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

MICHAEL FAIRCHILD
RT. 1, BOX 68A
CAMARGO OK 73835

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

Name	Depth	Name	Depth
1 CLEVELAND	8800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 644689 Location Exception Orders: 644974 Increased Density Orders:
655347

Pending CD Numbers: Special Orders:

Total Depth: 13756 Ground Elevation: 1869 **Surface Casing: 2000** Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32118
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 04 Twp 17N Rge 19W County DEWEY

Spot Location of End Point: C N2 N2 NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 8334

Radius of Turn: 573

Direction: 4

Total Length: 4522

Measured Total Depth: 13756

True Vertical Depth: 8848

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

Notes:

Category	Description
DEEP SURFACE CASING	2/1/2017 - 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	2/1/2017 - 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 HTTP://FRACFOCUS.ORG/ 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 - 644974	2/9/2017 - G75 - (I.O.) 4-17N-19W X644689 CLVD COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 600' FWL MEWBOURNE OIL CO. 9-9-2015
LOCATION EXCEPTION - 655347	2/9/2017 - G75 - EXTEND 644974 UNTIL 9-9-2017
SPACING - 644689	2/9/2017 - G75 - (640)(HOR) 4-17N-19W EST CLVD, OTHERS POE TO BHL NLT 660' FB

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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.

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

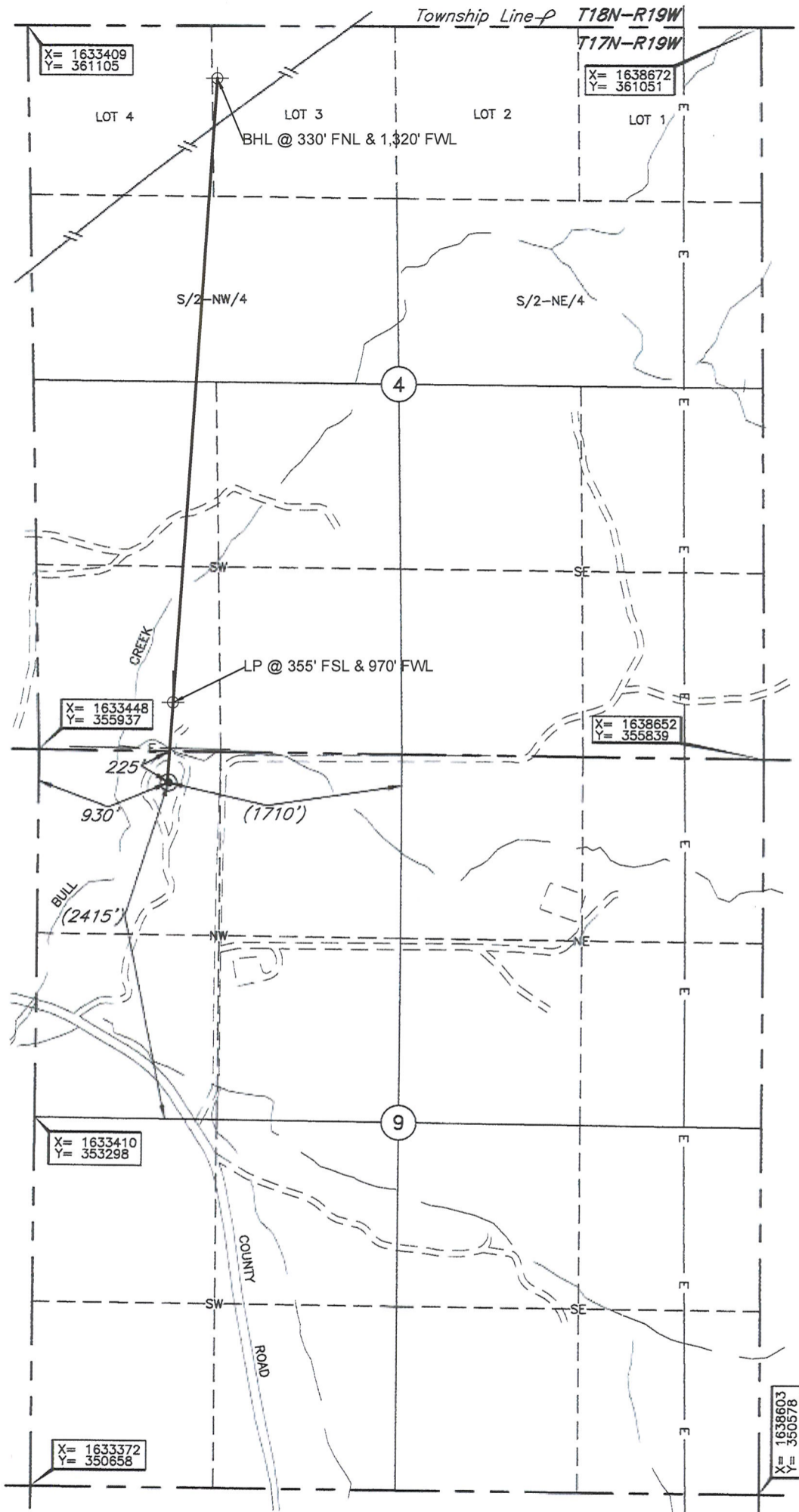
API 043-23499

225'FNL - 930'FWL Section 9 Township 17N Range 19W I.M.



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: MEMBOURNE OIL COMPANY
 Lease Name: FIGHTING BULL 4
 Topography & Vegetation: Loc. fell in low level area, ±225' South of power line, ±180' East of creek bank
 Good Drill Site? Yes-Fair
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From North off county road
 Distance & Direction: From Camargo, OK, go ±0.75 mi. East, then ±1.0 mi. South, then ±0.25 mi. East, then ±4.0 mi. S-SE to the South Line of Sec. 9-T17N-R19W.
 Well No.: MD#1HC
ELEVATION:
1869' Gr. at Stake

DATUM: NAD-27
 LAT: 35°58'14.8"N
 LONG: 99°14'08.2"W
 LAT: 35.970769590° N
 LONG: 99.235615876° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1634375
 Y: 355695

Date of Drawing: Jul. 07, 2015
 Invoice # 247176 Date Staked: Jan. 29, 2014 AC

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

