

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

API NUMBER: 043 23597

Approval Date: 02/16/2018

Expiration Date: 08/16/2018

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 1590

Lease Name: DEAN 9 AP

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	8900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 503037

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706036

Special Orders:

201706035

Total Depth: 14230

Ground Elevation: 1911

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 330

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: 18-33783

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 09 Twp 17N Rge 19W County DEWEY

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1200

Depth of Deviation: 8399

Radius of Turn: 573

Direction: 175

Total Length: 4931

Measured Total Depth: 14230

True Vertical Depth: 9036

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

Notes:

Category

Description

DEEP SURFACE CASING

2/9/2018 - 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

2/9/2018 - 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

MEMO

2/9/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201706035

2/16/2018 - G75 - (E.O.) 9-17N-19W
X503037 CLVD
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1100' FEL
NO OP. NAMED
REC 2-5-2018 (THOMAS)

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

043 23597 DEAN 9 AP 2HC

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.

Category	Description
PENDING CD - 201706036	2/16/2018 - G75 - (E.O.) 9-17N-19W X503037 CLVD 1 WELL NO OP. NAMED REC 2-5-2018 (THOMAS)
SPACING - 503037	2/16/2018 - G75 - (640) 9-17N-19W EXT OTHERS EXT 464426 CLVD, OTHERS

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

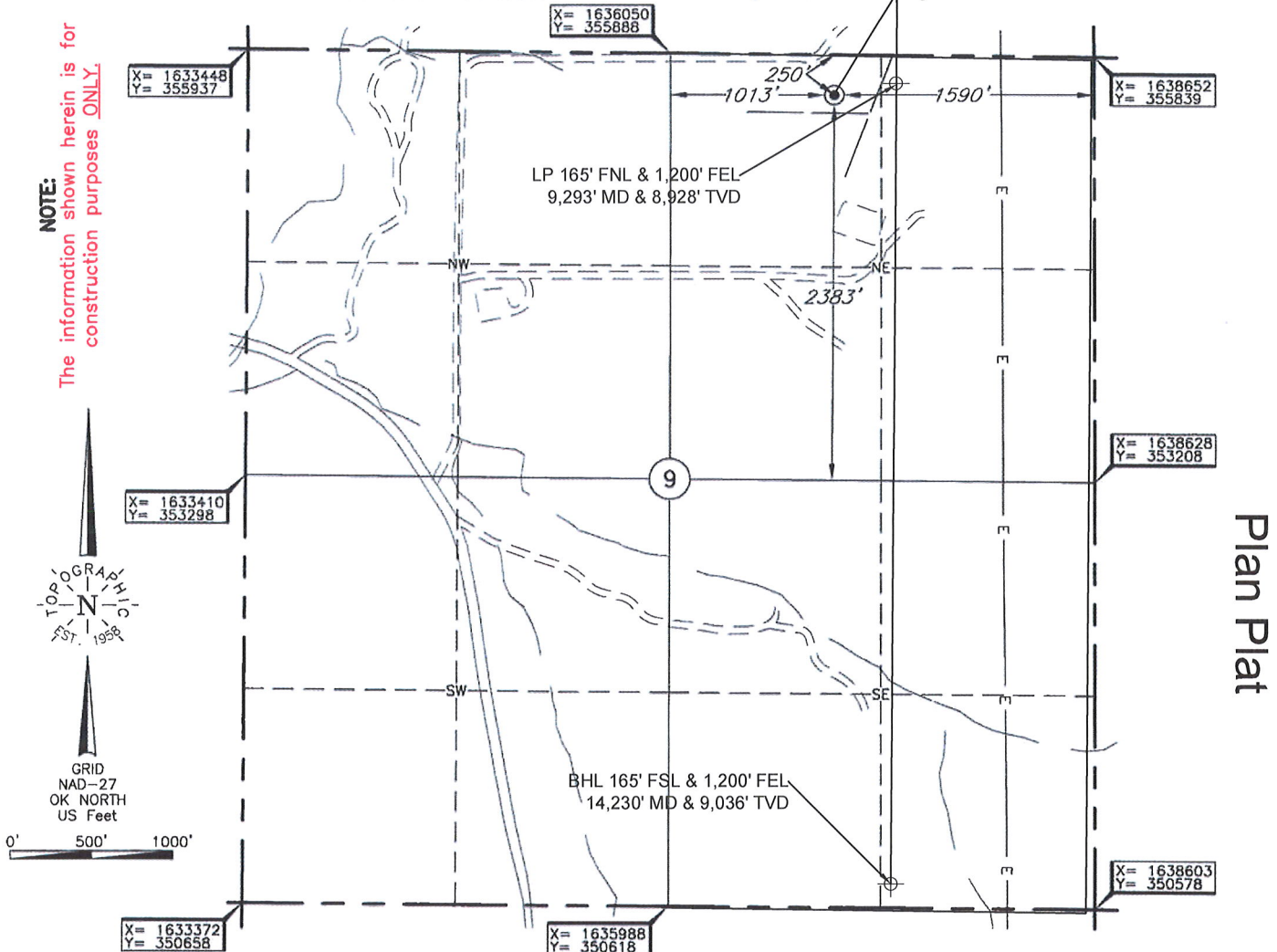
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

250' FNL-1590' FEL Section 9 Township 17N Range 19W I.M.

NOTE:
The information shown herein is for
construction purposes ONLY.

Operator: MEWBORNE OIL COMPANYLease Name: DEAN 9Well No.: AP #2HC**ELEVATION:**1911' Gr. at StakeTopography & Vegetation Loc. fell in level pasture, ±244' NW of NE-SW pipeline and ±113' North of E-W pipeline

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off lease road

Distance & Direction

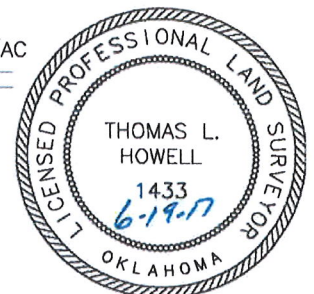
from Hwy Jct or Town From Camargo, OK, go ±0.5 mi. South, then ±1.0 mi. East,then ±1.0 mi. South, then ±0.2 mi. East, then ±3.0 mi. SE to the NE Cor. of Sec. 9-T17N-R19W.Date of Drawing: Jun. 19, 2017Invoice # 277061 Date Staked: Jun. 5, 2017

TR/AC

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

Thomas L. Howell
Oklahoma Lic. No. 1433



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

DATUM: NAD-27
LAT: 35°58'14.4"N
LONG: 99°13'35.5"W
LAT: 35.970654665°N
LONG: 99.226538823°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1637060
Y: 355619