

API NUMBER: 045 23839

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

Approval Date: 04/22/2021
Expiration Date: 10/22/2022

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 32 Township: 21N Range: 24W County: ELLIS

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 1100

Lease Name: WILLA DEAN 29/20 PI Well No: 1HC 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
3620 OLD BULLARD RD
TYLER, TX 75701-8644

WILLA DEAN JACOBY
P.O. BOX 627
SHATTUCK OK 73858

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

Name	Code	Depth
1 CLEVELAND	405CLVD	7800

Spacing Orders: 709471

Location Exception Orders: 711110

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 15731 Ground Elevation: 2308

Surface Casing: 490

Depth to base of Treatable Water-Bearing FM: 440

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. (Other)

MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER; SEE MEMO

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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

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

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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

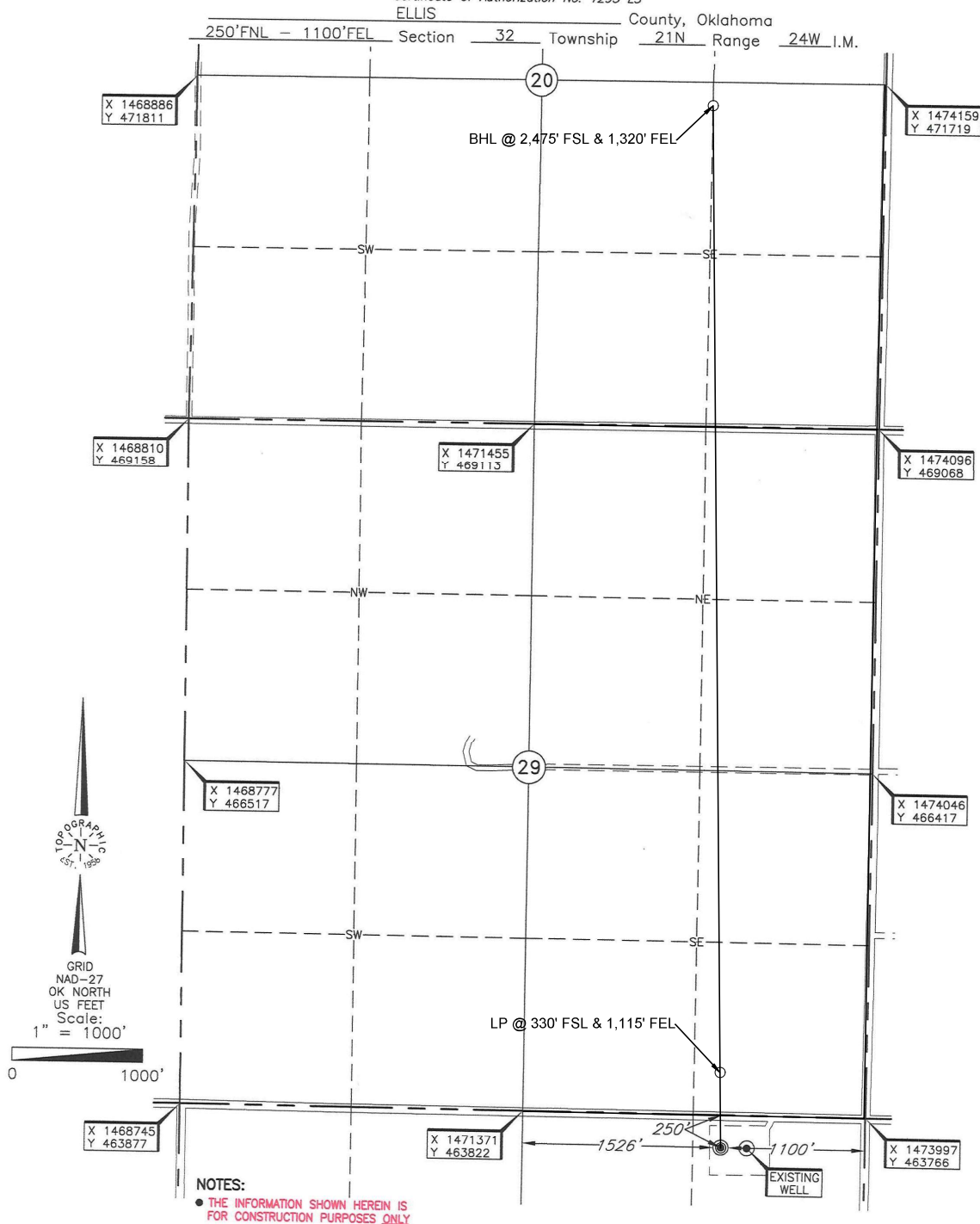
Section: 20	Township: 21N	Range: 24W	Meridian: IM	Total Length: 7590
	County: ELLIS			Measured Total Depth: 15731
Spot Location of End Point: N2	N2	N2	SE	True Vertical Depth: 7850
Feet From: SOUTH		1/4 Section Line: 2475		End Point Location from
Feet From: EAST		1/4 Section Line: 1320		Lease,Unit, or Property Line: 165

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[4/12/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
LOCATION EXCEPTION - 711110	<p>[4/19/2021 - G56] - (I.O.) S2 20 & 29-21N-24W X709471 CLVD COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 660' FEL NO OP NAMED 4/29/2020</p>
MEMO	<p>[4/13/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 709471	<p>[4/19/2021 - G56] - (960)(HOR) S2 20 & 29-21N-24W EST CLVD POE TO BHL NCT 660' FB</p>
SURFACE CASING	<p>[4/13/2021 - GC2] - NO DSC - SURFACE HOLE PROBLEMS IN NW4 NW4 33-21N-24W</p>

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

045 23839 WILLA DEAN 29/20 PI 1HC



Operator: MEWBOURNE OIL COMPANY

Lease Name: WILLA DEAN 29/20 PI

Well No.: #1HC

ELEVATION:

2308' Gr. at level pad

Topography & Vegetation Loc. fell on existing pad, $\pm 199'$ West of existing well

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction

from Hwy Jct or Town From Gage, OK., go ± 4.75 West and South on St. Hwy. 46, then ± 0.5 mi. West to the NE Cor. of Sec. 32-T21N-R24W

DATUM: NAD-27
LAT: $36^{\circ}15'36.4''$ N
LONG: $99^{\circ}47'16.6''$ W
LAT: 36.26009309° N
LONG: 99.78794410° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1472892
Y: 463539

Date of Drawing: Dec. 23, 2019
Project # 132219 Date Staked: Dec. 18, 2019

AC

CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch
Oklahoma Lic. No. 1378

