

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

API NUMBER: 045 23858

Approval Date: 03/28/2022

Expiration Date: 09/28/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 31 Township: 18N Range: 24W County: ELLIS

SPOT LOCATION: NW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 390 1160

Lease Name: WORD 31/30 PA Well No: 1H Well will be 390 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

WORD BROTHERS
P.O. BOX 443
ARNETT OK 73832

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

Name	Code	Depth
1 CHEROKEE	404CHRK	10080

Spacing Orders: 723900

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202200235

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 20172

Ground Elevation: 2109

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 440

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:	
D. One time land application -- (REQUIRES PERMIT)	PERMIT NO: 22-38200
H. (Other)	SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
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: C
Liner not required for Category: C
Pit Location is: BED AQUIFER
Pit Location Formation: rush springs

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

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: 30	Township: 18N	Range: 24W	Meridian: 1M	Total Length: 9533	
	County: ELLIS			Measured Total Depth: 20172	
Spot Location of End Point: W2	NW	NE	NE	True Vertical Depth: 10080	
Feet From: NORTH		1/4 Section Line: 330		End Point Location from	
Feet From: EAST		1/4 Section Line: 1160		Lease,Unit, or Property Line: 330	

NOTES:	
Category	Description
DEEP SURFACE CASING	[3/24/2022 - GC2] - 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	[3/24/2022 - GC2] - OCC 165:10-3-10 REQUIRES: 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; 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, 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
MEMO	[3/24/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202200235	[3/28/2022 - GB1] - (I.O.) 30 & 31-18N-24W X723900 CHRK COMPL INT (31-18N-24W) NCT 330' FSL, NCT 660' FEL COMPL INT (30-18N-24W) NCT 330' FNL, NCT 660' FEL NO OP NAMED REC 2/14/22 (THOMAS)
SPACING - 723900	[3/28/2022 - GB1] - (1280)(HOR) 30 & 31-18N-24W VAC 589515 CHRK 30-18N-24W EST CHRK COMPL INT NCT 660' FB (COEXIST SP 131528 CHRK 31-18N-24W)

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.

WELL LOCATION

WORD 31/30 PA #1H
MEWBOURNE OIL COMPANY
SECTION 31, TOWNSHIP 18N, RANGE 24W, I.M.
ELLIS COUNTY, OKLAHOMA

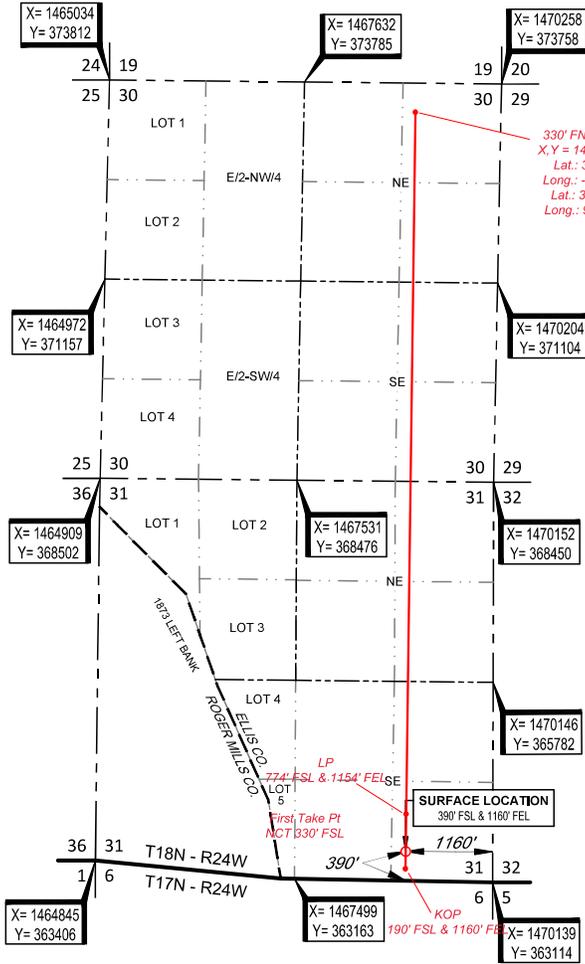
LEGEND

- SECTION LINE
- COUNTY LINE
- TOWNSHIP LINE
- QUARTER SECTION LINE
- 16TH LINE



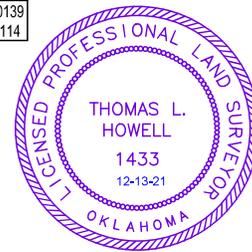
SCALE: 1" = 2000'
0' 1000' 2000'

SURFACE LOCATION
390' FSL & 1160' FEL
NAD-27
X= 1468980
Y= 363526
LAT.: 35°59'06.7" N
LONG.: 99°47'41.8" W
LAT.: 35.985192° N
LONG.: 99.794940° W
ELEV.: 2109'



BHL
330' FNL & 1160' FEL
X,Y = 1469091, 373440
Lat.: 36° 0' 44.743"
Long.: -99 47' 42.662"
Lat.: 36.0124286 N
Long.: 99.7951839 W

SURFACE LOCATION
390' FSL & 1160' FEL



Note:
Surface hole and section corner information surveyed in the field and certified by Topographic Land Surveyors.
Drill path information has not been surveyed, reviewed, or certified by Topographic Land Surveyors.

SURVEYOR'S CERTIFICATE:

I, THOMAS L. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

Thomas L. Howell
Thomas L. Howell, P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

LEASE NAME & WELL NO. _____ WORD 31/30 PA #1H
SECTION 31 TWP 18N RGE 24W MERIDIAN I.M.
COUNTY ELLIS STATE OKLAHOMA
DESCRIPTION 390' FSL & 1160' FEL

WORD 31/30 PA #1H	REVISION:		NOTES:
	INT	DATE	
DATE: 12/12/2021			1. ORIGINAL DOCUMENT SIZE: 8.5" X 14" 2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES, OPUS RESULTS ARE CORRELATED TO OKLAHOMA, NORTH ZONE, NAD 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1983. 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MEWBOURNE OIL COMPANY, ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY. 4. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
FILE:LO_WORD_31-30_PA_#1H			
DRAWN BY: KEU			
SHEET: 1 OF 2			