

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

API NUMBER: 045 23850

Approval Date: 12/14/2021

Expiration Date: 06/14/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 18N Range: 24W County: ELLIS

SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 220 1580

Lease Name: GROSS 27/22 ND Well No: 2H Well will be 220 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

HARVEY A. JACKS
P.O. BOX 271
SPICEWOOD TX 78669

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

Name	Code	Depth
1 CHEROKEE	404CHRK	10010

Spacing Orders: 594643 Location Exception Orders: **No Exceptions** Increased Density Orders: **No Density**
577117

Pending CD Numbers: 202102430 Working interest owners' notified: *** Special Orders: **No Special**
202102429
202102431
202102432

Total Depth: 20083 Ground Elevation: 2389 **Surface Casing: 1999** Depth to base of Treatable Water-Bearing FM: 680

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: 21-38007
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: 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.

MULTI UNIT HOLE 1

Section: 22 Township: 18N Range: 24W Meridian: IM Total Length: 9538
 County: ELLIS Measured Total Depth: 20083
 Spot Location of End Point: W2 NE NW NW True Vertical Depth: 10010
 Feet From: **NORTH** 1/4 Section Line: 330 End Point Location from
 Feet From: **WEST** 1/4 Section Line: 725 Lease,Unit, or Property Line: 330

NOTES:

Category	Description
DEEP SURFACE CASING	[12/13/2021 - GC2] - CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	[12/13/2021 - 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	[12/13/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202102429	[12/13/2021 - G56] - (I.O.) 22 & 27-18N-24W EST MULTIUNIT HORIZONTAL WELL X577117 CHRK 27-18N-24W X594643 CHRK 22-18N-24W 50% 22-18N-24W 50% 27-18N-24W NO OP NAMED REC 11/29/2021 (P. PORTER)
PENDING CD - 202102430	[12/13/2021 - G56] - (I.O.) 22 & 27-18N-24W X577117 CHRK 27-18N-24W X594643 CHRK 22-18N-24W COMPL INT (27-18N-24W) NCT 330' FSL, NCT 0' FNL, NCT 660' FWL COMPL INT (22-18N-24W) NCT 0' FSL, NCT 330' FNL, NCT 660' FWL NO OP NAMED REC 11/29/2021 (P. PORTER)
PENDING CD - 202102431	[12/13/2021 - G56] - 22-18N-24W X594643 CHRK 1 WELL NO OP NAMED REC 11/29/2021 (P. PORTER)
PENDING CD - 202102432	[12/13/2021 - G56] - 27-18N-24W X577117 CHRK 1 WELL NO OP NAMED REC 11/29/2021 (P. PORTER)
SPACING - 577117	[12/13/2021 - G56] - (640)(HOR) 27-18N-24W EST CHRK, OTHERS COMPL INT NCT 660' FB (COEXIST WITH PRODUCING NON HOR DR & SP UNITS, SUPERCEDE EXISTING NON DEVELOPED NON HOR DR & SPACING UNITS)
SPACING - 594643	[12/13/2021 - G56] - (640)(HOR) 22-18N-24W EST CHRK, OTHERS COMPL INT NCT 660' FB (COEXIST WITH PRODUCING NON HOR DR & SP UNITS, SUPERCEDE EXISTING NON DEVELOPED NON HOR DR & SPACING UNITS)

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

GROSS 27/22 ND #2H
MEWBOURNE OIL COMPANY
SECTION 27, TOWNSHIP 18N, RANGE 24W, I.M.
ELLIS COUNTY, OKLAHOMA

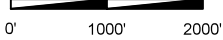
LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- 16TH LINE



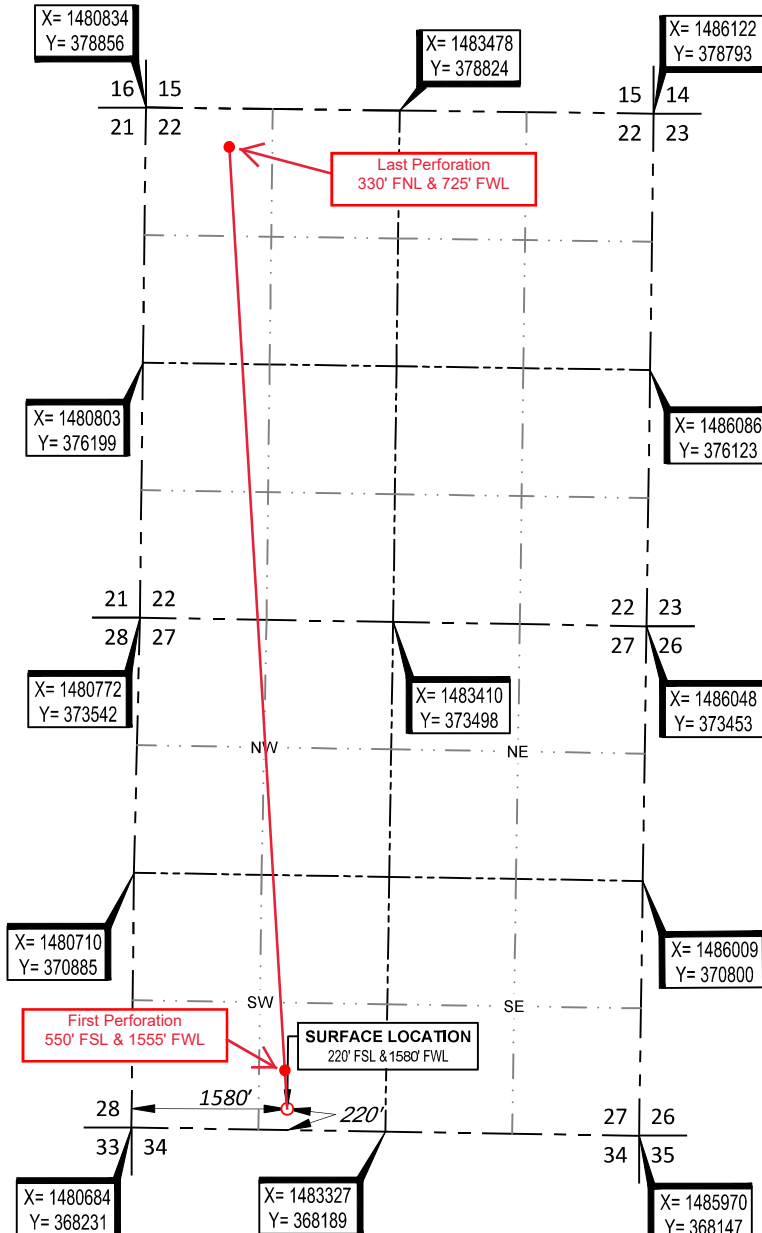
GRID
NAD-27
OK NORTH
US FEET

SCALE: 1" = 2000'



Bottom Hole Location
330' FNL & 725' FWL
X= 1481555
Y= 378517
Lat.: 36 1' 37.198" N
Long.: 99 45' 12.090" W
Lat.: 36.0269994 N
Long.: 99.7533583 W

SURFACE LOCATION
220' FSL & 1580' FWL
NAD-27
X= 1482266
Y= 368426
LAT.: 35°59'57.5" N
LONG.: 99°45'01.2" W
LAT.: 35.999317° N
LONG.: 99.750340° W
ELEV.: 2389'



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



13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3219
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. GROSS 27/22 ND #2H
SECTION 27 TWP 18N RGE 24W MERIDIAN I.M.
COUNTY ELLIS STATE OKLAHOMA
DESCRIPTION 220' FSL & 1580' FWL

GROSS 27/22 ND #2H	REVISION:	
	INT	DATE
DATE: 09/03/2021		
FILE:LO_GROSS_27-22_ND_#2H		
DRAWN BY: KEU		
SHEET: 1 OF 2		

- NOTES:**
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 1928.
 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. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
 5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY