

API NUMBER: 045 23837

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

Approval Date: 02/26/2021
Expiration Date: 08/26/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 18N Range: 24W County: ELLIS

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 160 2200

Lease Name: DOWLER 15/10 OB Well No: 1H Well will be 160 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

THE SARAH SHREWDER TRACY CREDIT SHELTER TRUST
15 WEST 6TH ST
STE 2700
TULSA OK 74119

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

	Name	Code	Depth
1	CHEROKEE	404CHRK	9850
2	CHEROKEE GROUP	404CHRGF	9850

Spacing Orders: 600403 Location Exception Orders: 714124 Increased Density Orders: No Density Orders
475998
714123

Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special Orders

Total Depth: 20228 Ground Elevation: 2404 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 780

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: 21-37543
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: 10	Township: 18N	Range: 24W	Meridian: IM	Total Length: 9806	
	County: ELLIS			Measured Total Depth: 20228	
Spot Location of End Point: C	N2	N2	NE	True Vertical Depth: 9850	
Feet From: NORTH		1/4 Section Line: 330		End Point Location from	
Feet From: EAST		1/4 Section Line: 1320		Lease, Unit, or Property Line: 330	

NOTES:

Category	Description
DEEP SURFACE CASING	[2/25/2021 - 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	<p>[2/25/2021 - 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 - 714124	<p>[2/26/2021 - G56] - (I.O.) 10 & 15-18N-24W X600403 CHRK 10-18N-24W X475998 CHRGP 15-18N-24W COMPL INT (10-18N-24W) NCT 330' FNL, NCT 0' FSL, NCT 1000' FWL COMPL INT (15-18N-24W) NCT 0' FNL, NCT 330' FSL, NCT 1000' FWL NO OP NAMED 8/26/2020</p>
MEMO	[2/25/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 475998	[2/26/2021 - G56] - (640) 15-18N-24W EXT 203575 CHRGP, OTHERS
SPACING - 600403	[2/26/2021 - G56] - (640)(HOR) 10-18N-24W EXT 593851 CHRK, OTHERS COMPL INT NCT 660' FB
SPACING - 714123	<p>[2/26/2021 - G56] - (I.O.) 10 & 15-18N-24W EST MULTIUNIT HORIZONTAL WELL X600403 CHRK 10-18N-24W X475998 CHRGP 15-18N-24W 50% 10-18N-24W 50% 15-18N-24W NO OP NAMED 8/26/2020</p>

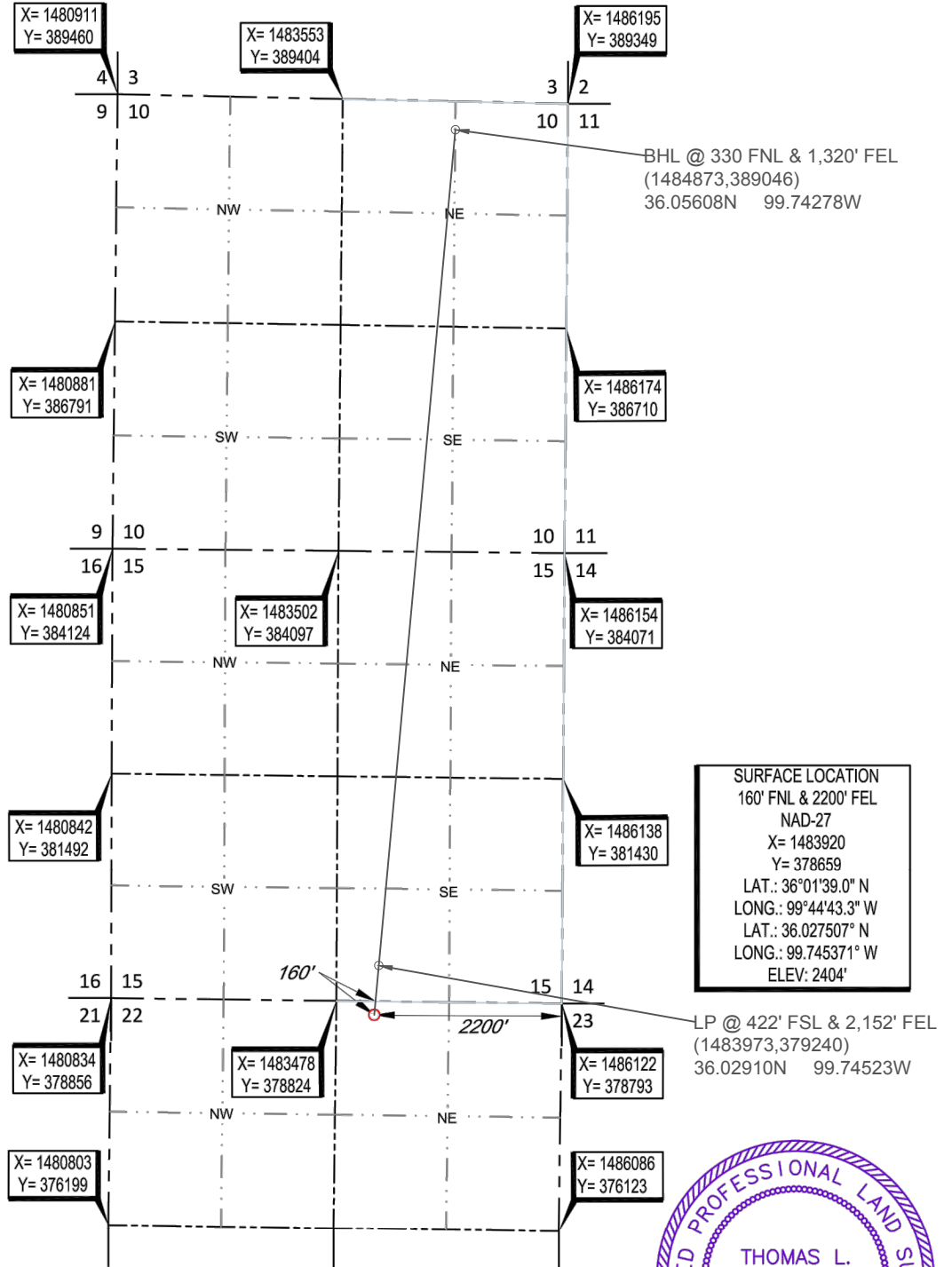
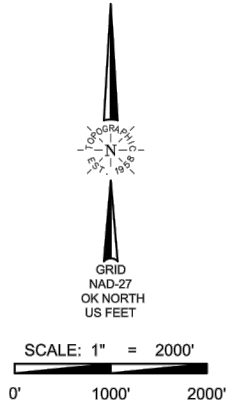
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045 23837 DOWLER 15/10 OB 1H

WELL LOCATION
DOWLER 15/10 OB #1H
MEWBOURNE OIL COMPANY
SECTION 22, TOWNSHIP 18N, RANGE 24W, I.M.
ELLIS COUNTY, OKLAHOMA

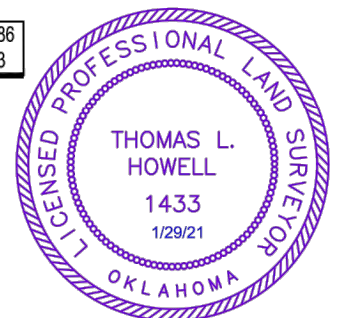
LEGEND

SECTION LINE
QUARTER SECTION LINE
16TH LINE



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. DOWLER 15/10 OB #1H
SECTION 22 TWP 18N RGE 24W MERIDIAN I.M.
COUNTY ELLIS STATE OKLAHOMA
DESCRIPTION 160' FNL & 2200' FEL

DOWLER 15/10 OB #1H	REVISION:	
	INT	DATE
	TR	12-3-20
DATE: 12/2/2020	KEU	01-29-21
FILE:LO_DOWLER_15-10_OB_#1H_REV2		
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 1929.
 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