API NUMBER: 045 23855

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

Approval Date: 02/08/2022

Expiration Date: 08/08/2023

Horizontal Hole Oil & Gas

## **PERMIT TO DRILL**

WELL LOCATION: Section:	25 Township: 20N	Range: 26W Cour	y: ELLIS			
SPOT LOCATION: NE SW	SE SW FE	ET FROM QUARTER: FROM SOU	TH FROM WEST			
		SECTION LINES: 345	1660			
Lease Name: RAGAN 25/24	4 NC	Well No: 1H	Well will b	e 345 feet from nearest unit or lease boundary.		
Operator Name: MEWBOURN	E OIL COMPANY	Telephone: 9035	512900	OTC/OCC Number: 6722 0		
MEWBOURNE OIL COM	IPANY		STACY RAGAN			
3620 OLD BULLARD RD			155 SINGLE TREE RD	155 SINGLE TREE RD		
TYLER,	TX 757	01-8644	DECATUR	TX 76234		
,	.,,		DEOATOR	17 70254		
Formation(s) (Permit Va	alid for Listed Formation	ons Only):				
Name	Code	Depth				
1 CHEROKEE	404CHRK	9010				
Spacing Orders: No Spaci	ng	Location Exception C	ders: No Exceptions	Increased Density Orders: No Density		
Pending CD Numbers: 202200	141	Working interest	wners' notified: ***	Special Orders: No Special		
202200	142					
Total Depth: 19010	Ground Elevation: 2389	Surface Casi	<b>q: 1999</b> Dept	h to base of Treatable Water-Bearing FM: 620		
,				Deep surface casing has been approved		
Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No				Approved Method for disposal of Drilling Fluids:		
Surface Water used to Drill: No		D. One time land application (REQU				
			H. (Other)	SEE MEMO		
PIT 1 INFORMATION			Category of Pit: C			
Type of Pit System: CLOSED Closed System Means Steel Pits			Liner not required for Category: C	Liner not required for Category: C		
Type of Mud System: WATER BASED				Pit Location is: BED AQUIFER		
Chlorides Max: 25000 Average: 7500			Pit Location Formation: OGAL	LALA		
	rater greater than 10ft below	base of pit? Y				
Within 1 mile of municipa						
	ection Area? N					
Pit <u>is</u> located in a Hydi	rologically Sensitive Area.					
PIT 2 INFORMATION			Category of Pit: C			
Type of Pit System: CLOSED Closed System Means Steel Pits			Liner not required for Category: C			
Type of Mud System: OIL BASED			Pit Location is: BED AQUIFER			
Chlorides Max: 300000 Average: 200000			Pit Location Formation: OGALLALA			
Is depth to top of ground w	rater greater than 10ft below	base of pit? Y				
Within 1 mile of municipal water well? N						
Wellhead Protection Area? N						
Wellifead Flor						

HORIZONTAL HOLE 1

Section: 24 Township: 20N Range: 26W Meridian: IM Total Length: 9312

County: ELLIS Measured Total Depth: 19010

Spot Location of End Point: C N2 N2 NW True Vertical Depth: 9010

Feet From: NORTH

1/4 Section Line: 330

End Point Location from
Lease,Unit, or Property Line: 330

NOTES:				
Category	Description			
DEEP SURFACE CASING	[2/7/2022 - G56] - 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	[2/7/2022 - G56] - 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 FRACFOCU			
МЕМО	[2/7/2022 - G56] - CLOSED SYSTEM=STEEL PITS (REQUIRED - ROCK CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT			
PENDING CD - 202200141	[2/7/2022 - G56] - (1280)(HOR) 24 & 25-20N-26W EST CHRK COMPL INT NCT 660' FB REC 2/7/2022 (MILLER)			
PENDING CD - 202200142	[2/7/2022 - G56] - (I.O.) 24 & 25-20N-26W X202200141 CHRK COMPL INT NCT 330' FSL, NCT 330' FNL, NCT 660' FWL NO OP NAMED REC 2/7/2022 (MILLER)			

## WELL LOCATION **LEGEND** RAGAN 25/24 NC #1H MEWBOURNE OIL COMPANY SECTION LINE QUARTER SECTION LINE 16TH LINE TOWNSHIP/RANGE LINE SECTION 25, TOWNSHIP 20N, RANGE 26W, I.M. ELLIS COUNTY, OKLAHOMA X= 1429145 X= 1434446 Y= 443119 Y= 443207 X= 1431795 Y= 443163 14 13 13 18 23 24 24 19 BOTTOM HOLE LOC. NCT 330' FN 330' FNL & 1320' FWL 1000' 2000 X= 1430458 T20N - R26W T20N - R25W Y= 422855 LAT.: 36 12' 3.779" N LONG.: 99 55' 49.615" W LAT.: 36.2010411 N LONG.: 99.9304486 W X= 1429089 X= 1434393 Y= 440478 SURFACE LOCATION 345' FSL & 1660' FWL NAD-27 23 | 24 24 19 X= 1430612 26 25 25 30 Y= 432959 LAT : 36°10'26.0" N X= 1429033 X= 1431687 X= 1434340 LONG : 99°55'45.3" W Y= 437919 LAT : 36.173877° N Y= 437878 Y= 437838 LONG: 99.929259° W NW ELEV : 2389' X= 1428990 X= 143427 SURFACE LOCATION Y= 435280 Y= 435196 345' FSL & 1660' FWL SW First Take Pt: 900' FSL & 1651' FWL 1660 26 25 345 25 30 35. 36 36 31 1431582 X= 1428947 X= 1434216 Y= 432598 Y= 432554 SIONAL THOMAS L. 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. HOWELL 1433 01-05-22 SURVEYOR'S CERTIFICATE: OKLAHOMA 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, P.L.S. No. 1433 Authorized Agent of Topographic Land Surveyors RAGAN 25/24 NC #1H LEASE NAME & WELL NO. TOPOGRAPHIC LOYALTY INNOVATION LEGACY SECTION 25 TWP 20N RGE 26W MERIDIAN I.M. 13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134 ELLIS COUNTY STATE \_\_ OKLAHOMA 345' FSL & 1660' FWL **DESCRIPTION** REVISION: OTES: ORIGINAL DOCUMENT SIZE: 8.5" X 14" ORIGINAL DOCUMENT SIZE: 8.5" X 14" ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPEN OF THE CONTROL AND THE ACTIONAL GEODETIC VERTICAL DATUM OF 1923. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENTACCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FELD 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. WITHIPMADINING 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. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY RAGAN 25/24 NC #1H INT DATE DATE: 1/5/2021 FILE:LO\_RAGAN\_25-24\_ND\_#1H DRAWN BY: KEU

SURVEYMEWBOURNE\_OIL\_COMPANYRAGAN\_361\_CM\_1HVFINAL\_PRODUCTS/LO\_RAGAN\_25-24\_ND\_#1H.DV

SHEET

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