

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

API NUMBER: 093 25282

Approval Date: 06/24/2022  
Expiration Date: 12/24/2023

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 22 Township: 20N Range: 16W County: MAJOR

SPOT LOCATION:  NW  NE  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 204 790

Lease Name: RANDY WHETSTONE Well No: 1-22MH Well will be 204 feet from nearest unit or lease boundary.  
Operator Name: CRAWLEY PETROLEUM CORPORATION Telephone: 4052329700 OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION  
105 N HUDSON AVE STE 800  
OKLAHOMA CITY, OK 73102-4803

RANDALL K. & CHRISTINE WHETSTONE  
P. O. BOX 181  
SEILING OK 73663

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	9350

Spacing Orders: 678910 Location Exception Orders: **No Exceptions** Increased Density Orders: **No Density**  
Pending CD Numbers: 202201964 Working interest owners' notified: \*\*\* Special Orders: **No Special**  
Total Depth: 13950 Ground Elevation: 1697 **Surface Casing: 650** Depth to base of Treatable Water-Bearing FM: 560

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

Approved Method for disposal of Drilling Fluids:	
D. One time land application -- (REQUIRES PERMIT)	PERMIT NO: 22-38390
H. (Other)	SEE MEMO

**PIT 1 INFORMATION**

Type of Pit System: ON SITE Category of Pit: 1B  
Type of Mud System: WATER BASED Liner required for Category: 1B  
Chlorides Max: 8000 Average: 5000 Pit Location is: AP/TE DEPOSIT  
Is depth to top of ground water greater than 10ft below base of pit? Y Pit Location Formation: TERRACE  
Within 1 mile of municipal water well? N  
Wellhead Protection Area? N  
Pit is located in a Hydrologically Sensitive Area.

**PIT 2 INFORMATION**

Type of Pit System: ON SITE Category of Pit: 3  
Type of Mud System: OIL BASED Liner required for Category: 3  
Chlorides Max: 300000 Average: 200000 Pit Location is: AP/TE DEPOSIT  
Is depth to top of ground water greater than 10ft below base of pit? Y Pit Location Formation: TERRACE  
Within 1 mile of municipal water well? N  
Wellhead Protection Area? N  
Pit is located in a Hydrologically Sensitive Area.

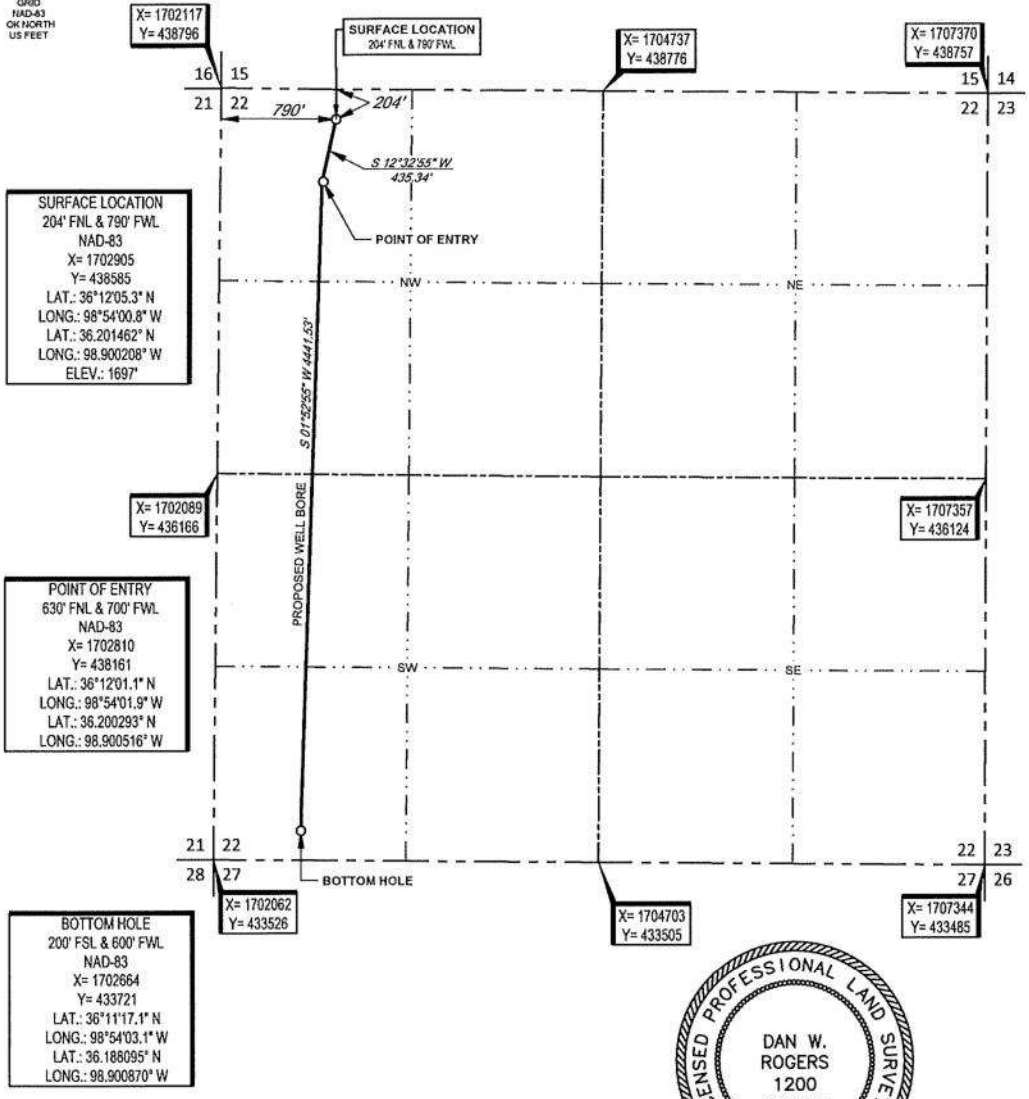
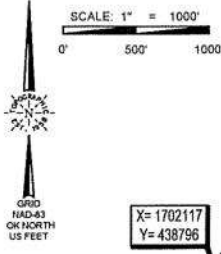
**HORIZONTAL HOLE 1**

Section: 22 Township: 20N Range: 16W Meridian: IM Total Length: 4864  
County: MAJOR Measured Total Depth: 13950  
Spot Location of End Point: SE SW SW SW True Vertical Depth: 9486  
Feet From: SOUTH 1/4 Section Line: 200 End Point Location from  
Feet From: WEST 1/4 Section Line: 600 Lease, Unit, or Property Line: 200

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.

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[6/15/2022 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INTERMEDIATE CASING	[6/15/2022 - GC2] - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	[6/15/2022 - GC2] - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202201964	[6/24/2022 - G56] - (I.O.) 22-20N-16W X678910 MSSP COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP NAMED REC 6/20/2022 (HUBER)
SPACING - 678910	[6/24/2022 - G56] - (640)(HOR) 22-20N-16W EXT OTHER EST MSSP, OTHER POE TO BHL NLT 660' FB

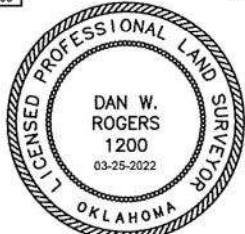
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**SURFACE LOCATION**  
 204' FNL & 790' FWL  
 NAD-83  
 X= 1702905  
 Y= 436585  
 LAT.: 36°12'05.3" N  
 LONG.: 98°54'00.8" W  
 LAT.: 36.201462° N  
 LONG.: 98.900208° W  
 ELEV.: 1697'

**POINT OF ENTRY**  
 630' FNL & 700' FWL  
 NAD-83  
 X= 1702810  
 Y= 438161  
 LAT.: 36°12'01.1" N  
 LONG.: 98°54'01.9" W  
 LAT.: 36.200293° N  
 LONG.: 98.900516° W

**BOTTOM HOLE**  
 200' FSL & 600' FWL  
 NAD-83  
 X= 1702664  
 Y= 433721  
 LAT.: 36°11'17.1" N  
 LONG.: 98°54'03.1" W  
 LAT.: 36.188095° N  
 LONG.: 98.900870° W



**SURVEYOR'S CERTIFICATE:**  
 I, DAN W. ROGERS, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO. DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

*Dan W. Rogers*  
 Dan W. Rogers, P.L.S. No. 1200  
 Authorized Agent of Topographic, Co.

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 13600 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134  
 TELEPHONE: (405) 843-4847 OR (800) 654-3219  
 FAX: (405) 943-0975  
 CERTIFICATE OF AUTHORIZATION NO. 1292 LS  
 WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. RANDY WHETSTONE 1-22MH  
 SECTION 22 TWP 20N RGE 16W MERIDIAN I.M.  
 COUNTY MAJOR STATE OKLAHOMA  
 DESCRIPTION 204' FNL & 790' FWL

RANDY WHETSTONE 1-22MH	REVISION:		NOTES:
	INT	DATE	
DATE: 03/22/2022	KEU	03/25/2022	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 83 - HORIZONTAL AND THE NORTH AMERICAN VERTICAL DATUM OF 1988. 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 CRAWLEY PETROLEUM CORP., 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 KNOWN EDGE. 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
FILE:10_RANDY WHETSTONE 1-22MH_REV1			
DRAWN BY: KEU			
SHEET: 1 OF 2			