

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

API NUMBER: 003 23404

Approval Date: 01/13/2022
Expiration Date: 07/13/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 02 Township: 25N Range: 11W County: ALFALFA

SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: 175 1575

Lease Name: **CROSSROADS** Well No: **2-2H** Well will be **175** feet from nearest unit or lease boundary.

Operator Name: **AEXCO PETROLEUM INC** Telephone: 3038631110 OTC/OCC Number: 17342 0

AEXCO PETROLEUM INC
1675 BROADWAY STE 1900
DENVER, CO 80202-4631

JIM GOSS
805 SOUTH NEBRASKA
CHEROKEE OK 73728

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

Name	Code	Depth
1 MISSISSIPPI LIME	351MSSL	5695

Spacing Orders: 105169

Location Exception Orders: 720723

Increased Density Orders: 720803

Pending CD Numbers: **No Pending**

Working interest owners' notified: ***

Special Orders: **No Special**

Total Depth: 11000

Ground Elevation: 1222

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 440

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

Approved Method for disposal of Drilling Fluids:	
E. Haul to Commercial pit facility	Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714
H. (Other)	CLOSED SYSTEM=STEEL PITS (REQUIRED - WEST CLAY CREEK)

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: BISON

HORIZONTAL HOLE 1

Section: 2 Township: 25N Range: 11W Meridian: IM

Total Length: 4940

County: ALFALFA

Measured Total Depth: 11000

Spot Location of End Point: N2 N2 N2 N2

True Vertical Depth: 5755

Feet From: **NORTH** 1/4 Section Line: 165

End Point Location from
Lease, Unit, or Property Line: 165

Feet From: **WEST** 1/4 Section Line: 2640

NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	<p>[1/11/2022 - 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: 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>
INCREASED DENSITY - 720803	<p>[1/12/2022 - G56] - 2-25N-11W X105169 MSSLM 2 WELLS NO OP NAMED 9/27/2021</p>
LOCATION EXCEPTION - 720723	<p>[1/12/2022 - G56] - (I.O.) 2-25N-11W X105169 MSSLM, OTHER COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL NO OP NAMED 9/22/2021</p>
SPACING - 105169	<p>[1/12/2022 - G56] - (640) 2-25N-11W EXT 102799 MSSLM, OTHERS</p>
SURFACE CASING	<p>[1/11/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 2 & 3-25N-11W</p>

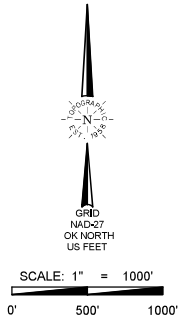
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WELL LOCATION

CROSSROADS 2-2H
 AEXCO PETROLEUM INC.
 SECTION 2, TOWNSHIP 25N, RANGE 11W, I.M.
 ALFALFA COUNTY, OKLAHOMA

LEGEND

- SECTION LINE
- TOWNSHIP LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE



SURFACE LOCATION
 175' FSL & 1575' FWL
 NAD-27
 X= 1895973
 Y= 607007
 LAT.: 36°40'01.2" N
 LONG.: 98°21'16.8" W
 LAT.: 36.666998° N
 LONG.: 98.354675° W
 ELEV.: 1222' NGVD 29

POINT OF ENTRY
 165' FSL & 2175' FWL
 NAD-27
 X= 1896573
 Y= 606994
 LAT.: 36°40'01.1" N
 LONG.: 98°21'09.5" W
 LAT.: 36.666969° N
 LONG.: 98.352630° W

BOTTOM HOLE
 165' FNL & 2640' FWL
 NAD-27
 X= 1897085
 Y= 611957
 LAT.: 36°40'50.2" N
 LONG.: 98°21'03.4" W
 LAT.: 36.680607° N
 LONG.: 98.350946° W

X= 1894446
 Y= 612140

X= 1897093
 Y= 612122

X= 189738
 Y= 612105

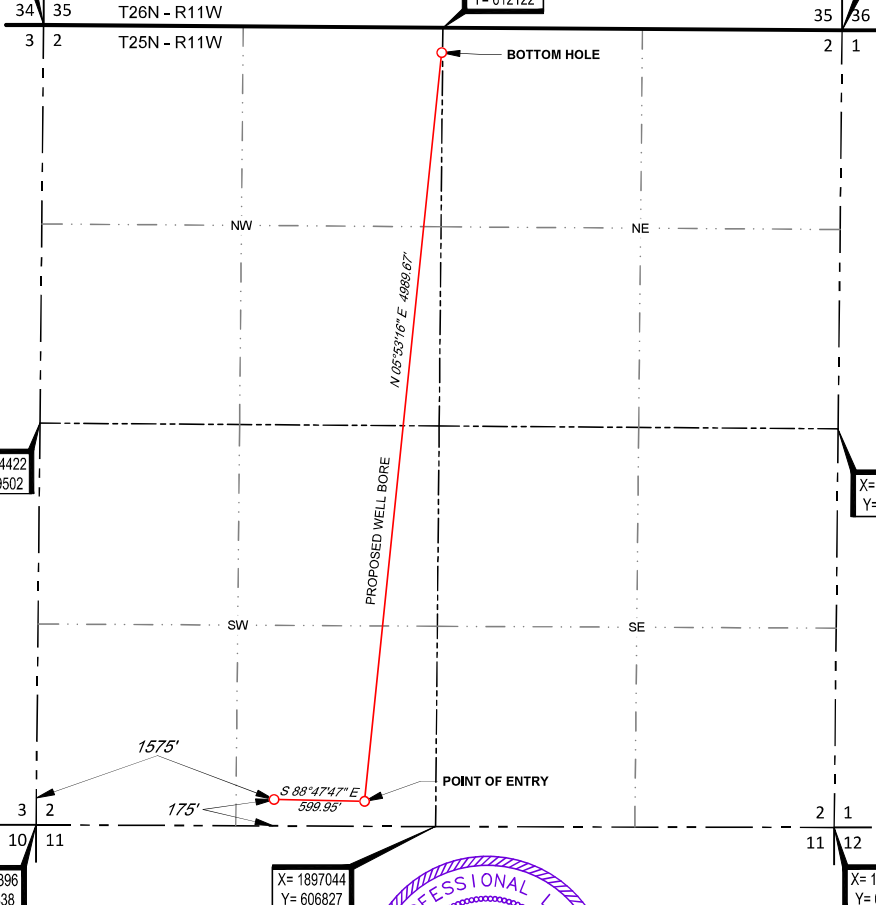
X= 1894422
 Y= 609502

X= 1899712
 Y= 609463

X= 1894396
 Y= 606838

X= 1897044
 Y= 606827

X= 1899686
 Y= 606821



Dan W. Rogers
 Dan W. Rogers, P.L.S. No. 1200
 Authorized Agent of Topographic Land Surveyors

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

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 13600 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. CROSSROADS 2-2H
 SECTION 2 TWP 25N RGE 11W MERIDIAN I.M.
 COUNTY ALFALFA STATE OKLAHOMA
 DESCRIPTION 175' FSL & 1575' FWL

CROSSROADS 2-2H	REVISION:		NOTES:
	INT	DATE	
DATE: 12/21/2021			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 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 AEXCO PETROLEUM INC. 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. POINT OF ENTRY, 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:LO_CROSSROADS_2-2H			
DRAWN BY: EAH			
SHEET: 1 OF 2			