

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

API NUMBER: 003 23409

Approval Date: 03/24/2022

Expiration Date: 09/24/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 25N Range: 11W County: ALFALFA

SPOT LOCATION: NE NE NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **285** **2435**

Lease Name: **MCDANIEL** Well No: **3-18H** Well will be **285** 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

DENNIS MAST & KYLE PUFFINGBARGER
19066 CR 550
CHEROKEE OK 73728

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

Name	Code	Depth
1 MISS'AN LM	359MPLM	5900

Spacing Orders: 93336

Location Exception Orders: 721125

Increased Density Orders: 721230

Pending CD Numbers: **No Pending**

Working interest owners' notified: ***

Special Orders: **No Special**

Total Depth: 11000

Ground Elevation: 1365

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 300

Deep surface casing has been approved

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 = STEEP PITS PER OPERATOR REQUEST

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: CEDAR HILL

HORIZONTAL HOLE 1

Section: 18 Township: 25N Range: 11W Meridian: IM

Total Length: 4980

County: ALFALFA

Measured Total Depth: 11000

Spot Location of End Point: NW NE NE NE

True Vertical Depth: 6000

Feet From: **NORTH** 1/4 Section Line: 150

End Point Location from
Lease, Unit, or Property Line: 150

Feet From: **EAST** 1/4 Section Line: 550

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
DEEP SURFACE CASING	[3/23/2022 - 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	[3/23/2022 - 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
INCREASED DENSITY - 721230	[3/23/2022 - G56] - 18-25N-11W X93336 MPLM 1 WELL NO OP NAMED 10/20/2021
LOCATION EXCEPTION - 721125	[3/23/2022 - G56] - (I.O.) 18-25N-11W X93336 MPLM COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 500' FEL NO OP NAMED 10/14/2021
SPACING - 93336	[3/23/2022 - G56] - (640) 18-25N-11W EXT 51771/88782 MPLM, OTHER

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

MCDANIEL 3-18H
 AEXCO PETROLEUM INC.
 SECTION 19, TOWNSHIP 25N, RANGE 11W, I.M.
 ALFALFA COUNTY, OKLAHOMA

LEGEND

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

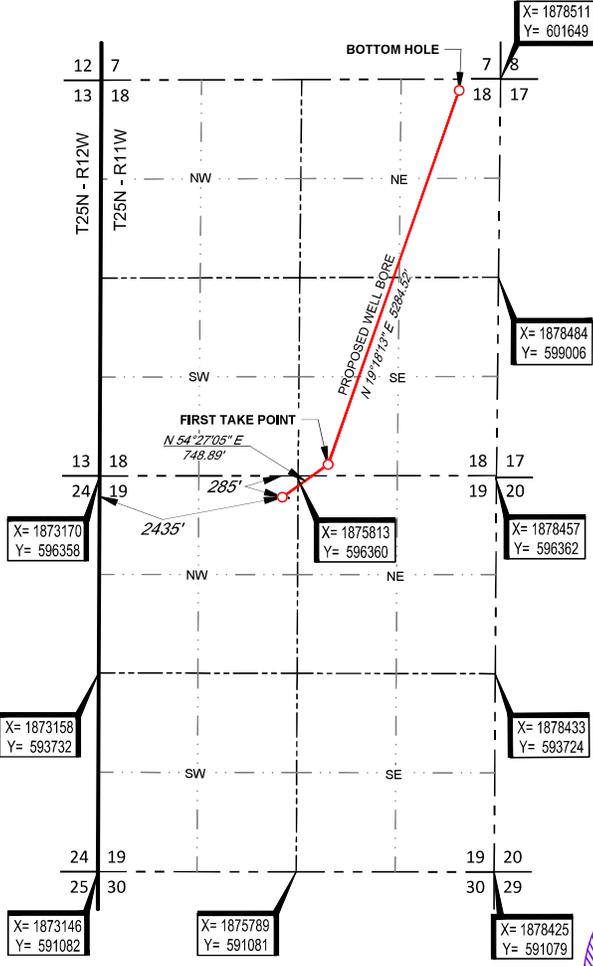


SCALE: 1" = 2000'
 0' 1000' 2000'

SURFACE LOCATION
 285' FNL & 2435' FWL
 NAD-27
 X= 1875604
 Y= 596075
 LAT.: 36°38'12.3" N
 LONG.: 98°25'26.3" W
 LAT.: 36.636746° N
 LONG.: 98.423959° W
 ELEV: 1365' NGVD 29

FIRST TAKE POINT
 150' FSL & 2245' FEL
 NAD-27
 X= 1876213
 Y= 596510
 LAT.: 36°38'16.6" N
 LONG.: 98°25'18.8" W
 LAT.: 36.637950° N
 LONG.: 98.421889° W

BOTTOM HOLE
 150' FSL & 550' FEL
 NAD-27
 X= 1877960
 Y= 601498
 LAT.: 36°39'06.0" N
 LONG.: 98°24'57.6" W
 LAT.: 36.651669° N
 LONG.: 98.416008° 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
 13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
 TELEPHONE: (405) 843-4847 OR (800) 654-3219
 FAX: (405) 843-0975
 CERTIFICATE OF AUTHORIZATION NO. 1292 LS
 WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. _____ MCDANIEL 3-18H
 SECTION 19 TWP 25N RGE 11W MERIDIAN I.M.
 COUNTY ALFALFA STATE OKLAHOMA
 DESCRIPTION 285' FNL & 2435' FWL

MCDANIEL 3-18H	REVISION:		NOTES:
	INT	DATE	
DATE: 03/21/2022			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 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1989. 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_MCDANIEL_3-18H			
DRAWN BY: EAH			
SHEET: 1 OF 2			