

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

API NUMBER: 003 23325

Approval Date: 07/16/2018

Expiration Date: 01/16/2019

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION:

SE

SE

SW

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

175

1220

Lease Name: WALKER

Well No: 1-11H

Well will be 175 feet from nearest unit or lease boundary.

Operator
Name: AEXCO PETROLEUM INC

Telephone: 3038319226

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	Depth	Name	Depth
1	MISSISSIPPI CHAT	5700	6	
2	MISSISSIPPI LIME	5720	7	
3			8	
4			9	
5			10	

Spacing Orders: 105169

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804540

Special Orders:

Total Depth: 11400

Ground Elevation: 1219

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 80000 Average: 8000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714

H. CLOSED SYSTEM = STEEP PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

HORIZONTAL HOLE 1

Sec 11 Twp 25N Rge 11W County ALFALFA

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 5193

Radius of Turn: 800

Direction: 185

Total Length: 4937

Measured Total Depth: 11400

True Vertical Depth: 5720

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

7/10/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

PENDING CD - 201804540

7/16/2018 - G57 - (I.O.) 11-25N-11W
X105169 MSSCT, MSSLM
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL
NO OP. NAMED
REC 7-2-2018 (MINMIER)

SPACING - 105169

7/16/2018 - G57 - (640) 11-25N-11W
EXT 102799/37197 MSSCT, MSSLM, OTHERS

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219

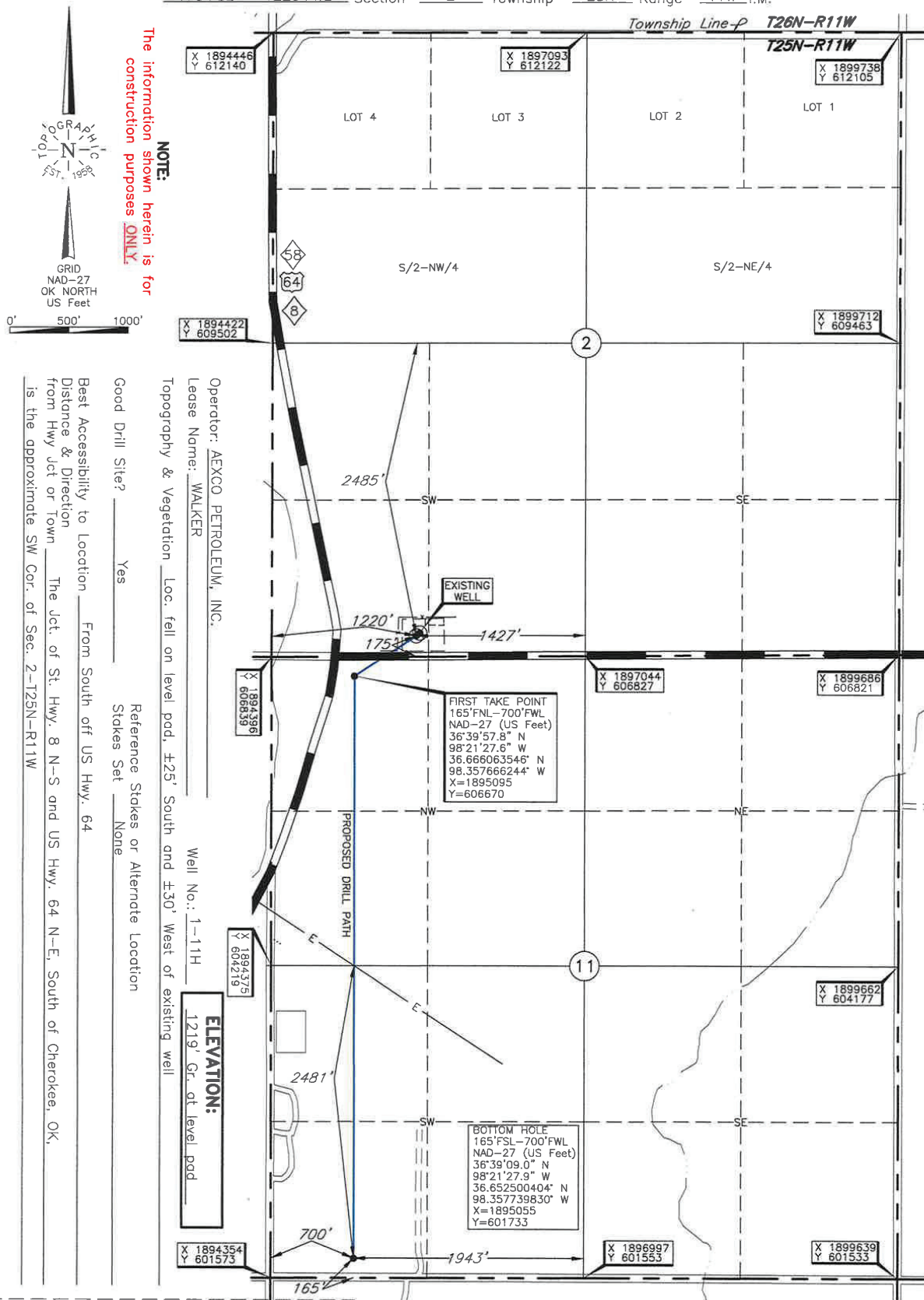
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

175' FSL - 1220' FWL Section 2 Township 25N Range 11W I.M.

API: 003 23325



FIRST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Revision ☒ A. Date of Drawing: Jul. 09, 2018

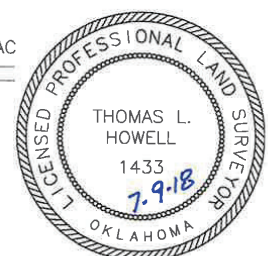
Invoice # 297963 Date Staked: Jul. 05, 2018

AC

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



DATUM: NAD-27
LAT: 36°40'01.2"N
LONG: 98°21'21.2"W
LAT: 36.666996517° N
LONG: 98.355887586° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1895618
Y: 607008