

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

API NUMBER: 003 23348

Approval Date: 11/06/2018

Expiration Date: 05/06/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 225 1725

Lease Name: GUY

Well No: 1-28H

Well will be 225 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

ROCKY LANE SCHANBACHER  
17145 COUNTY ROAD 580  
CHEROKEE OK 73728

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 634039

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806829

Special Orders:

Total Depth: 11200

Ground Elevation: 1291

**Surface Casing: 1200**

Depth to base of Treatable Water-Bearing FM: 300

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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

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

H. CLOSED SYSTEM=STEEL 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 28 Twp 25N Rge 11W County ALFALFA

Spot Location of End Point: N2 N2 N2 N2

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 5000

Radius of Turn: 800

Direction: 360

Total Length: 4943

Measured Total Depth: 11200

True Vertical Depth: 6050

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

DEEP SURFACE CASING

11/6/2018 - G71 - 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

11/6/2018 - 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](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201806829

11/6/2018 - G58 - (I.O.) 28-25N-11W  
X634039 MSSP  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FEL  
NO OP. NAMED  
REC 9/17/2018 (P. PORTER)

SPACING - 634039

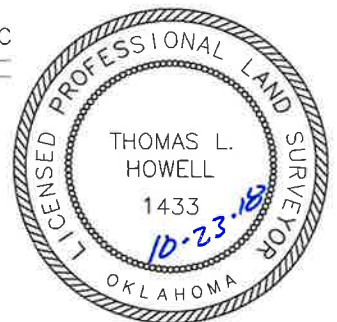
11/6/2018 - G58 - (640)(HOR) 28-25N-11W  
VAC 88782 MISS  
EXT OTHERS  
EST MSSP  
POE TO BHL NCT 660' FB

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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.

003 23348 GUY 1-28H



# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

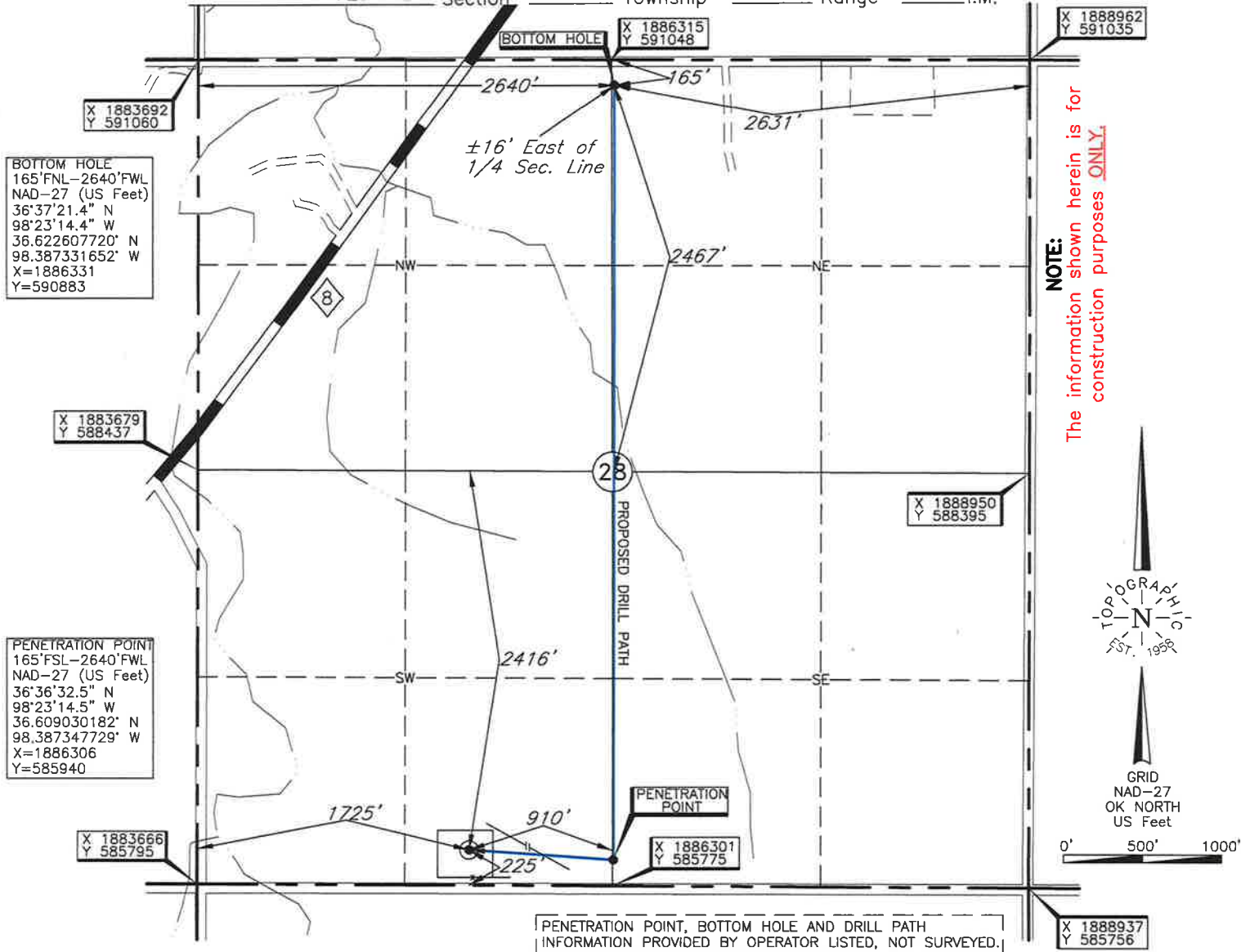
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

003-23348

225'FSL - 1725'FWL Section 28 Township 25N Range 11W I.M.



Operator: AEXCO PETROLEUM, INC.

Lease Name: GUY

Well No.: 1-28H

**ELEVATION:**

1291' Gr. at Stake

Topography & Vegetation Loc. fell in terraced pasture, ±200' SW of NW-SE pipeline

Good Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction  
from Hwy Jct or Town From Jct. St. Hwy. 8 N-SW and St. Hwy. 58 East, go ±4.0 mi. SW on St. Hwy. 8,  
then ±0.5 mi. South to the SW Cor. of Sec. 28-T25N-R11W

Date of Drawing: Oct. 23, 2018

Invoice # 304900 Date Staked: Oct. 17, 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



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

DATUM: NAD-27  
LAT: 36°36'33.1"N  
LONG: 98°23'25.7"W  
LAT: 36.609203143° N  
LONG: 98.390465105° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1885392  
Y: 586007



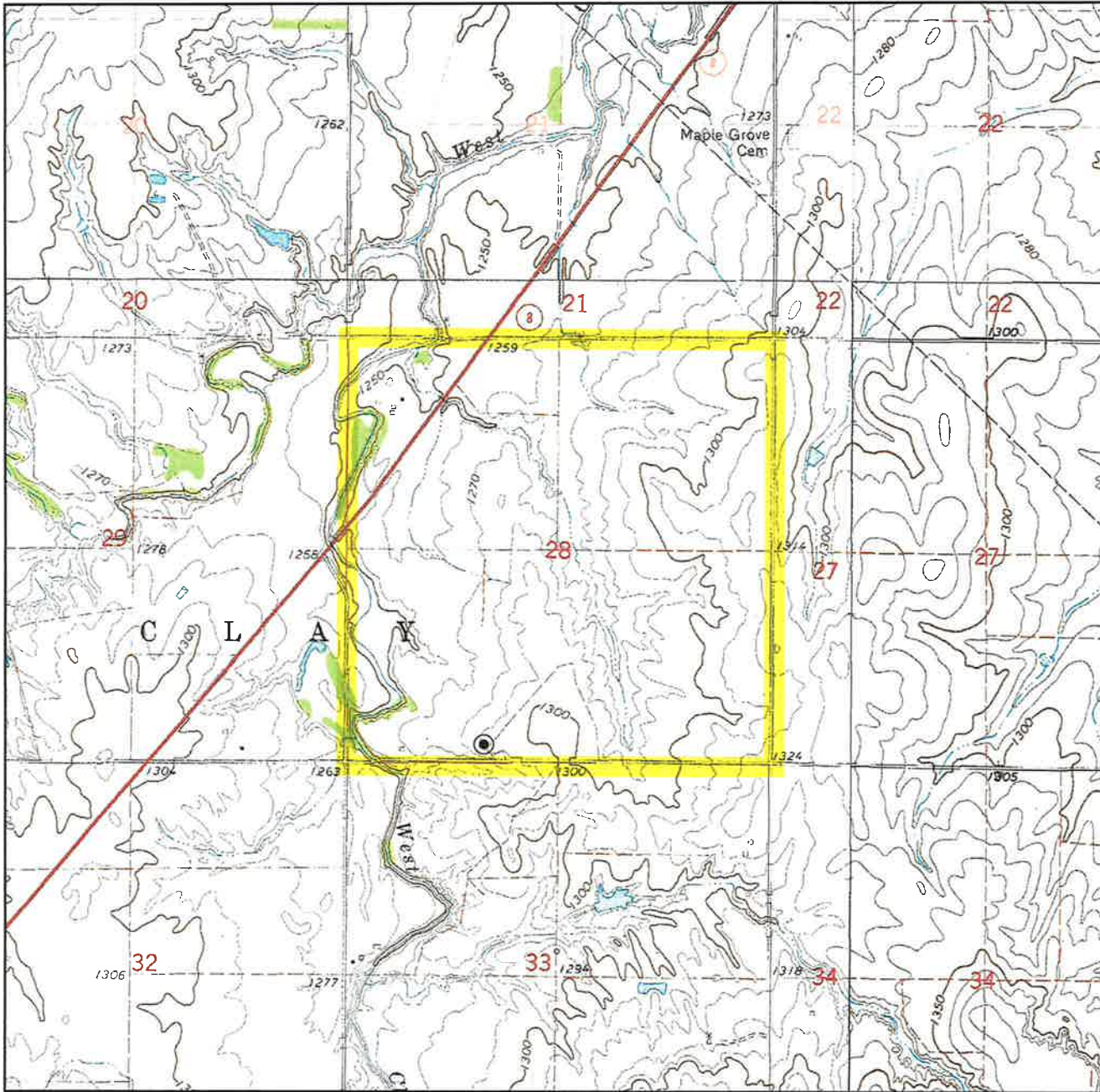
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, OK. 73134 [www.topographic.com](http://www.topographic.com)

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 28 Twp. 25N Rng. 11W IM

County ALFALFA State OK

Operator AEXCO PETROLEUM, INC.

Description 225'FSL - 1725'FWL

Lease GUY 1-28H

Elevation 1291' Gr. at Stake

Above Background Data from  
U.S.G.S. Topographic Map

Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground  
elevation of the location stake.

Review this plat and inform us immediately of  
any possible discrepancy.



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

**LAND SURVEYORS OF OKLAHOMA**

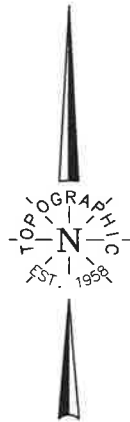
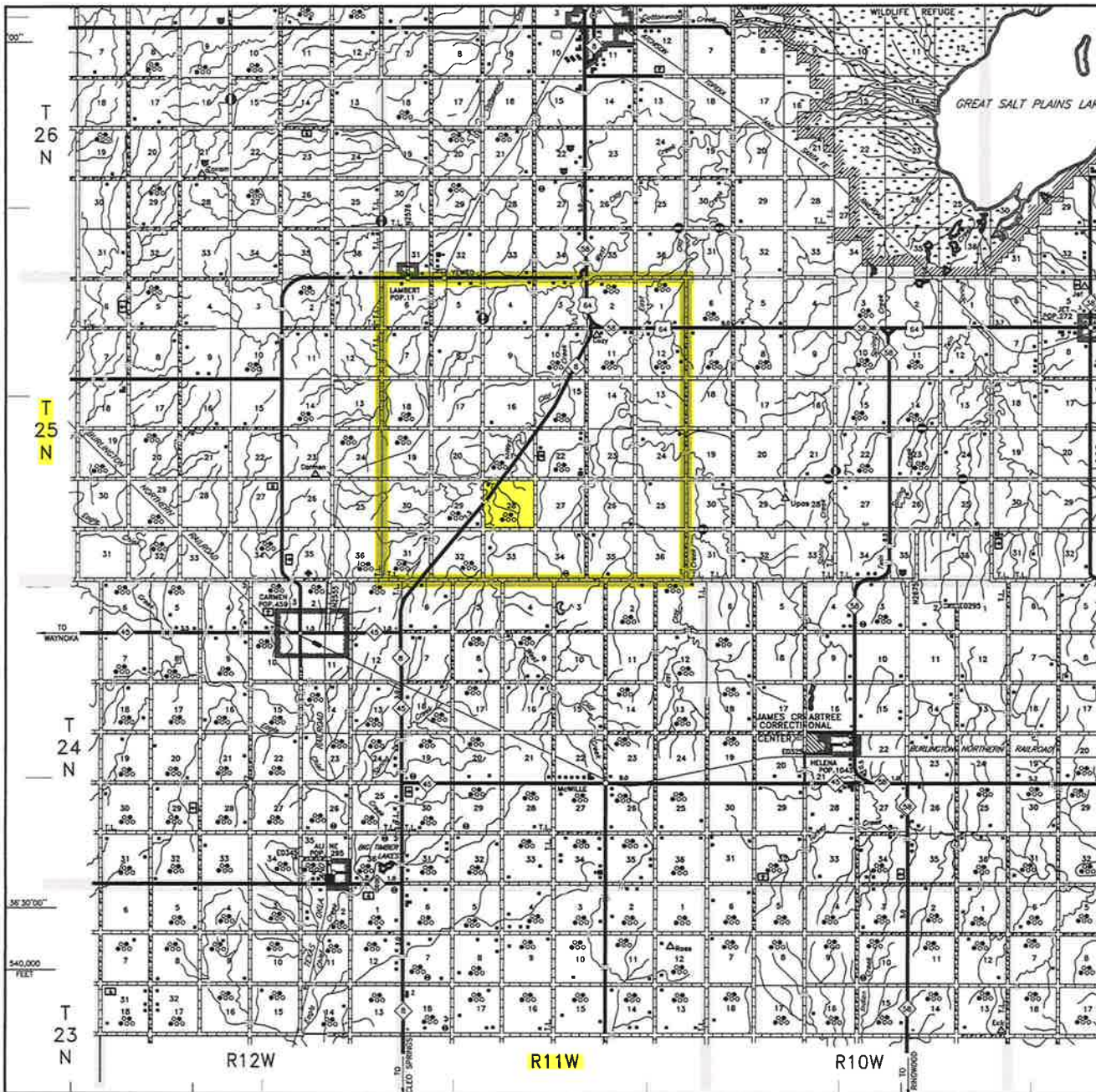
Oct. 17, 2018



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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 28 Twp. 25N Rng. 11W IM

County ALFALFA State OK

Operator AEXCO PETROLEUM, INC.



LAND SURVEYORS OF OKLAHOMA

