

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

API NUMBER: 003 23314

Approval Date: 05/03/2018

Expiration Date: 11/03/2018

Straight Hole

Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 130 1620

Lease Name: ANDREE SWD

Well No: 1-15

Well will be 130 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

WILLIAM T. ANDREE TRUST
31755 NORTH 1250 EAST ROAD
BLACKSTONE IL 61313

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

	Name	Depth		Name	Depth
1	CHASE	2100	6	TONKAWA	4620
2	COUNCIL GROVE	2740	7	COTTAGE GROVE	5025
3	WILDHORSE	3525	8		
4	HOOVER	3880	9		
5	LOVELL	4220	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5300

Ground Elevation: 1226

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 380

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

E. Haul to Commercial pit facility: Sec. 10 Twn. 25N Rng. 15W Cnty. 151 Order No: 563714

Is depth to top of ground water greater than 10ft below base of pit? Y

H. CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Additional Surface Owner

Address

City, State, Zip

WILLIAM T. ANDREE TRUST

31755 NORTH 1250 EAST ROAD

BLACKSTONE, IL 61313

JEAN A. DAHLBEN TRUST

11 EAST BOULEVARD ROAD

NEWTON CENTER, MA 02459

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.

Notes:

Category

Description

HYDRAULIC FRACTURING

4/26/2018 - 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: OCCWEB.COM/OG/OGFORMS.HTML; AND,

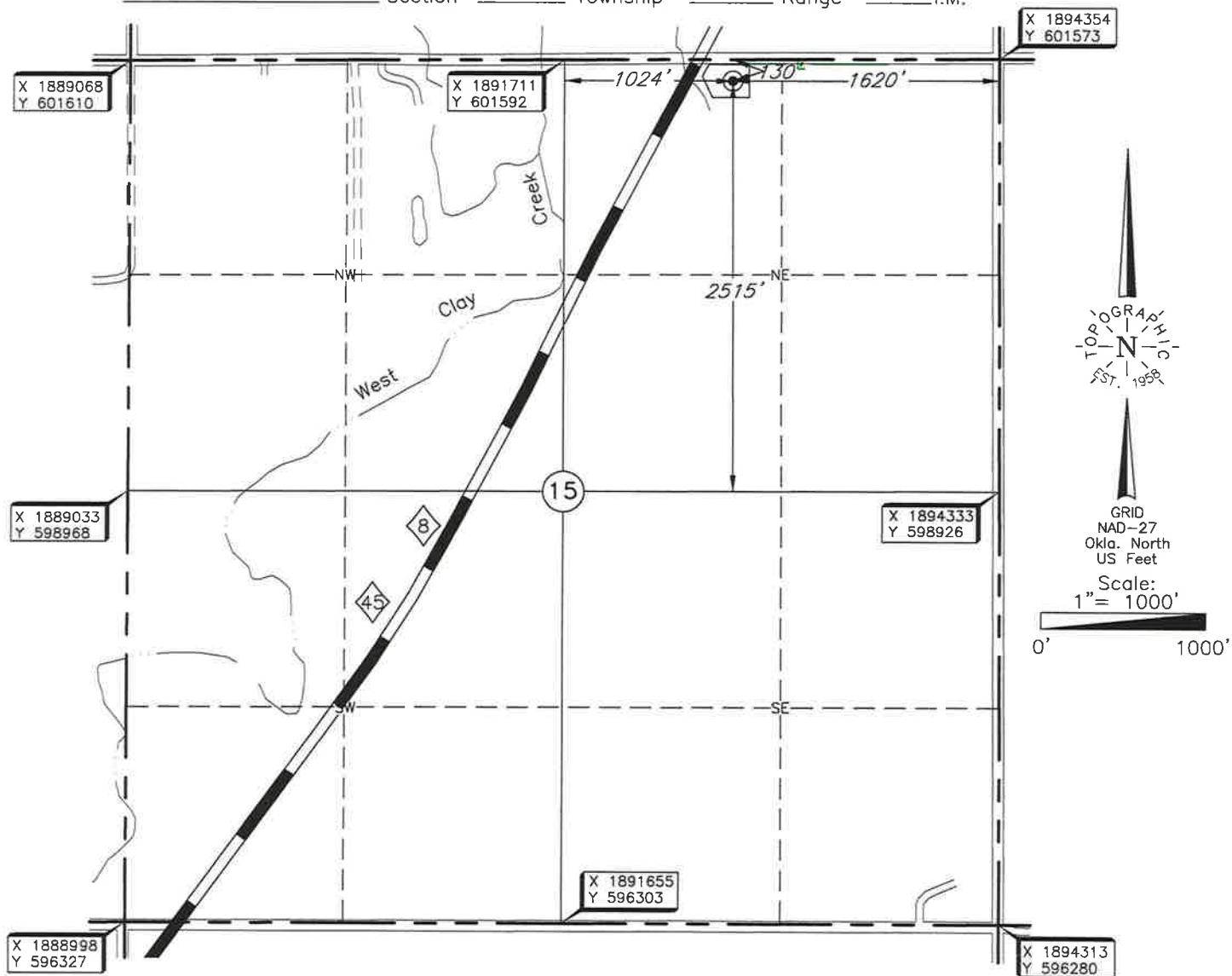
3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

SPACING

4/26/2018 - G71 - N/A - DISPOSAL WELL

API: 003 23314

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293. LS
ALFALFA County, Oklahoma
130'FNL-1620'FEL Section 15 Township 25N Range 11W I.M.



NOTE:
The information shown herein is for construction purposes ONLY.

Operator: AEXCO PETROLEUM, INC.
Lease Name: ANDREE SWD Well No.: #1-15 **ELEVATION:** 1226' Gr. at Stake
Topography & Vegetation Location fell in terraced wheat field ±103' South of E-W powerline.
Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From county road north of well location.
Distance & Direction From the Jct. of St. Hwy. 8 N-SW & US. Hwy. 64 East, at Kozy Curve, go ±1 miles SW on St. Hwy. 8 to near location in NE/4 of Section 15, T25N-R11W.

DATUM: NAD-27
LAT: 36°39'06.2"N
LONG: 98°21'56.3"W
LAT: 36.651712137° N
LONG: 98.365651607° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1892733
Y: 601454

Invoice # 292367 Date of Drawing: April 24, 2018
Date Staked: April 23, 2018 JGW

CERTIFICATE:

I, Dan W. Rogers an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Dan W Rogers
Oklahoma Lic. No. 1200



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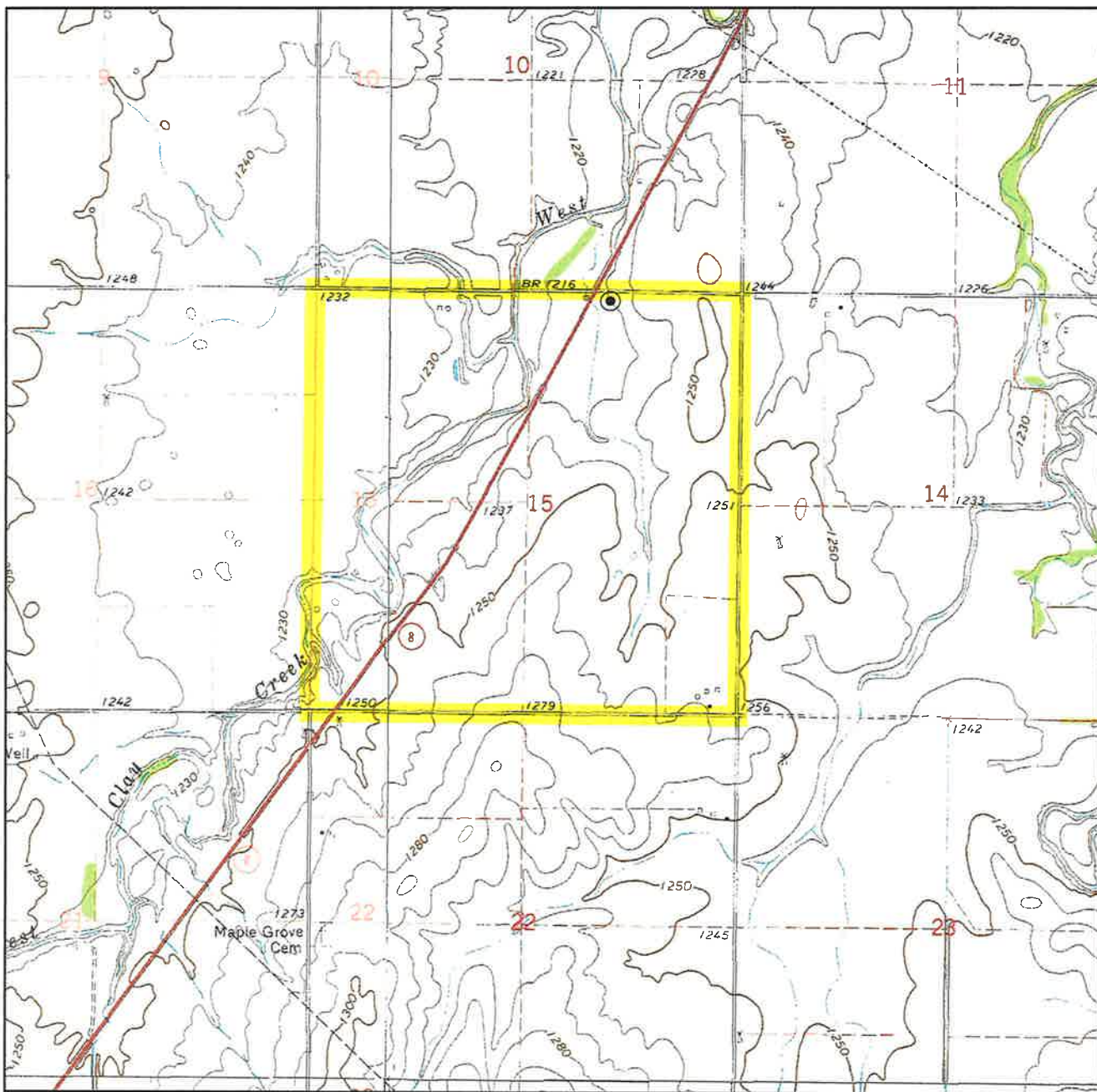
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way Oklahoma City, OK 73134 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 15 Twp. 25N Rng. 11W I.M.

County ALFALFA State OK

Operator AEXCO PETROLEUM, INC.

Description 130'FNL-1620'FEL

Lease ANDREE SWD #1-15

Elevation 1226' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map LAMBERT, OK

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

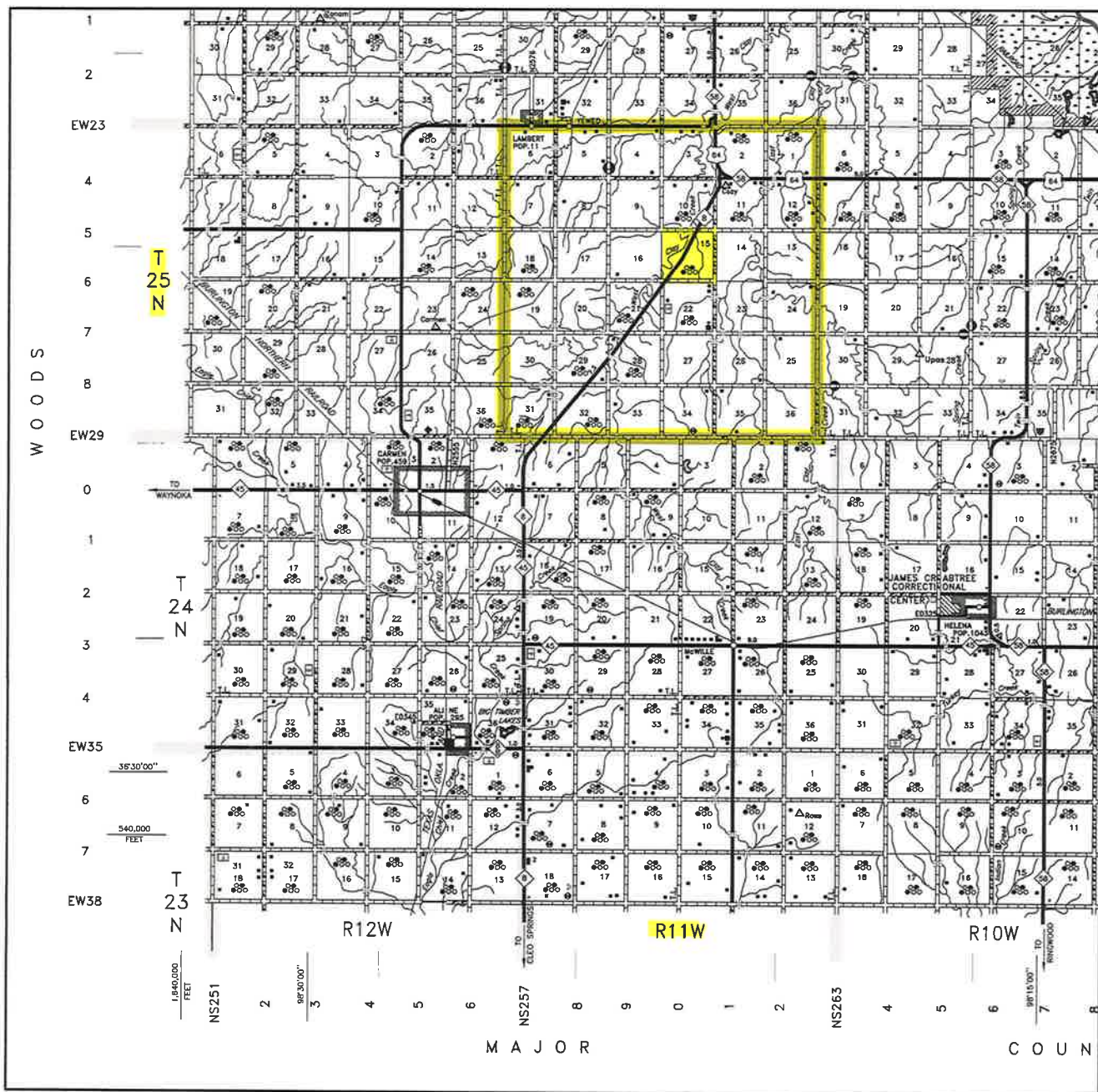
LAND SURVEYORS OF OKLAHOMA

April 23, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 15 Twp. 25N Rng. 11W I.M.

County ALFALFA State OK

Operator AEXCO PETROLEUM, INC.



