

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

API NUMBER: 003 23345

Approval Date: 10/26/2018  
Expiration Date: 04/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 26N Rge: 11W County: ALFALFA  
SPOT LOCATION:  NW  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 250 1700

Lease Name: PORTER 33-26-11 Well No: 2H Well will be 250 feet from nearest unit or lease boundary.  
Operator Name: BCE-MACH LLC Telephone: 4052528151 OTC/OCC Number: 24174 0

BCE-MACH LLC  
14201 WIRELESS WAY STE 300  
OKLAHOMA CITY, OK 73134-2512

LORI L PORTER  
19787 CR 600  
CHEROKEE OK 73728

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5507	6
2			7
3			8
4			9
5			10

Spacing Orders: 594543 Location Exception Orders: 680415 Increased Density Orders: 683711

Pending CD Numbers:

Special Orders:

Total Depth: 10638 Ground Elevation: 1214 **Surface Casing: 480** Depth to base of Treatable Water-Bearing FM: 430

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 25000 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: BISON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34862  
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 33 Twp 26N Rge 11W County ALFALFA

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5060

Radius of Turn: 744

Direction: 183

Total Length: 4409

Measured Total Depth: 10638

True Vertical Depth: 5685

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

Notes:

Category	Description
HYDRAULIC FRACTURING	10/22/2018 - GA8 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 683711	10/25/2018 - G58 - 33-26N-11W X594543 MSSP 1 WELL BCE-MACH LLC 9/25/2018
LOCATION EXCEPTION - 680415	10/25/2018 - G58 - (I.O.) 33-26N-11W X594543 MSSP COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FEL BCE-MACH LLC 7/19/2018
SPACING - 594543	10/25/2018 - G58 - (640) 33-26N-11W VAC 286744 MSSCT, MSSLM EXT OTHER EST MSSP

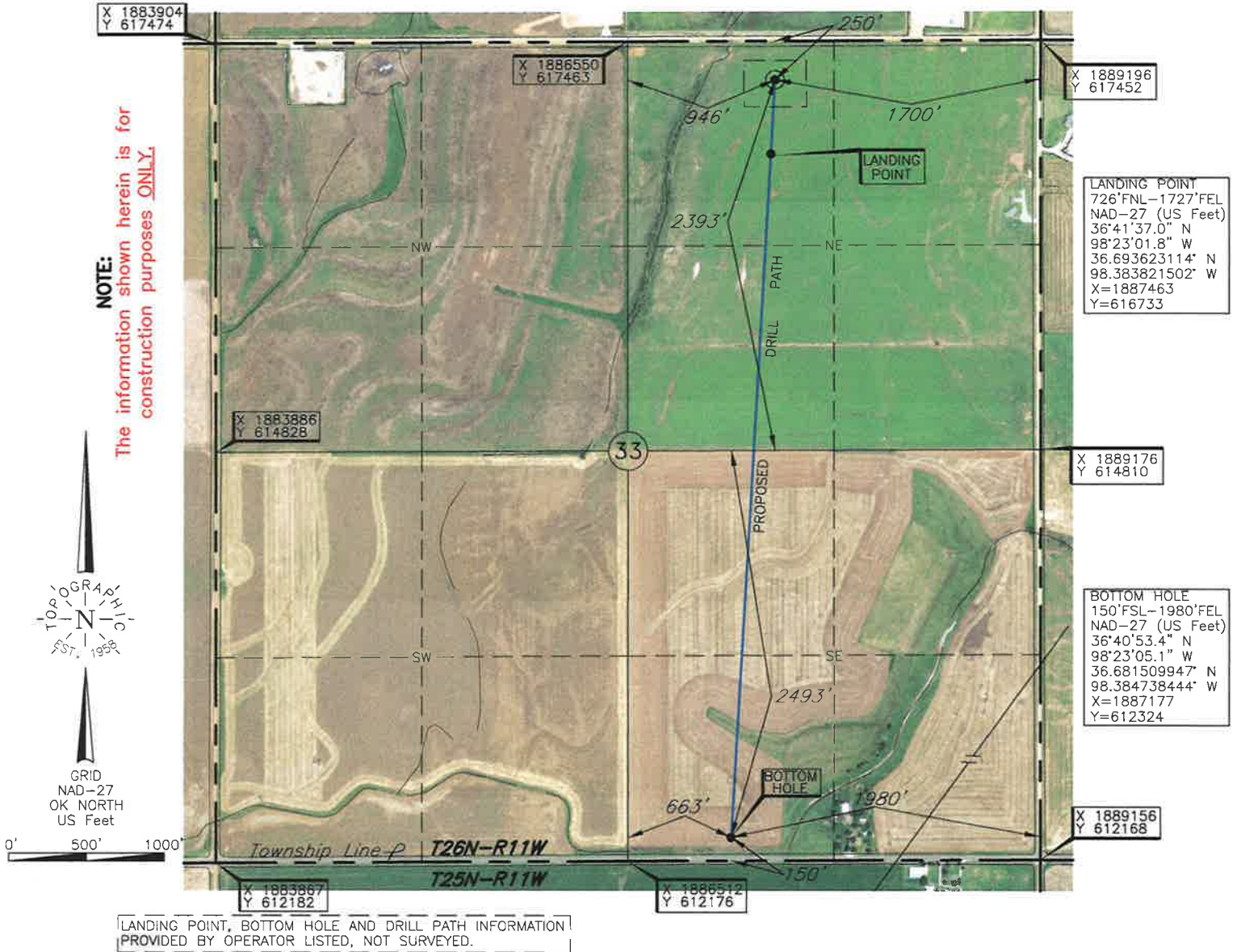
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**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

003-23345

ALFALFA County, Oklahoma  
 250'FNL - 1700'FEL Section 33 Township 26N Range 11W I.M.



Operator: MACH RESOURCES

Lease Name: PORTER 33-26-11

Well No.: 2H

**ELEVATION:**

1214' Gr. at Stake

Topography & Vegetation Loc. fell in sloped grass pasture, ±175' South of E-W pipeline

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

Best Accessibility to Location From North off county road

Distance & Direction  
 from Hwy Jct or Town From Cherokee, OK, go ±4.0 mi. South, then ±1.0 mi. West to  
the NE Cor. of Sec. 33-T26N-R11W

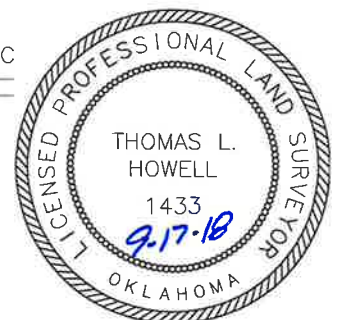
DATE: Sep. 14, 2018  
 INVOICE # 302566 DATE STAKED: Sep. 11, 2018 AC

DATUM: NAD-27  
 LAT: 36°41'41.8"N  
 LONG: 98°23'01.4"W  
 LAT: 36.694930884° N  
 LONG: 98.383722489° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1887494  
 Y: 617209

**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

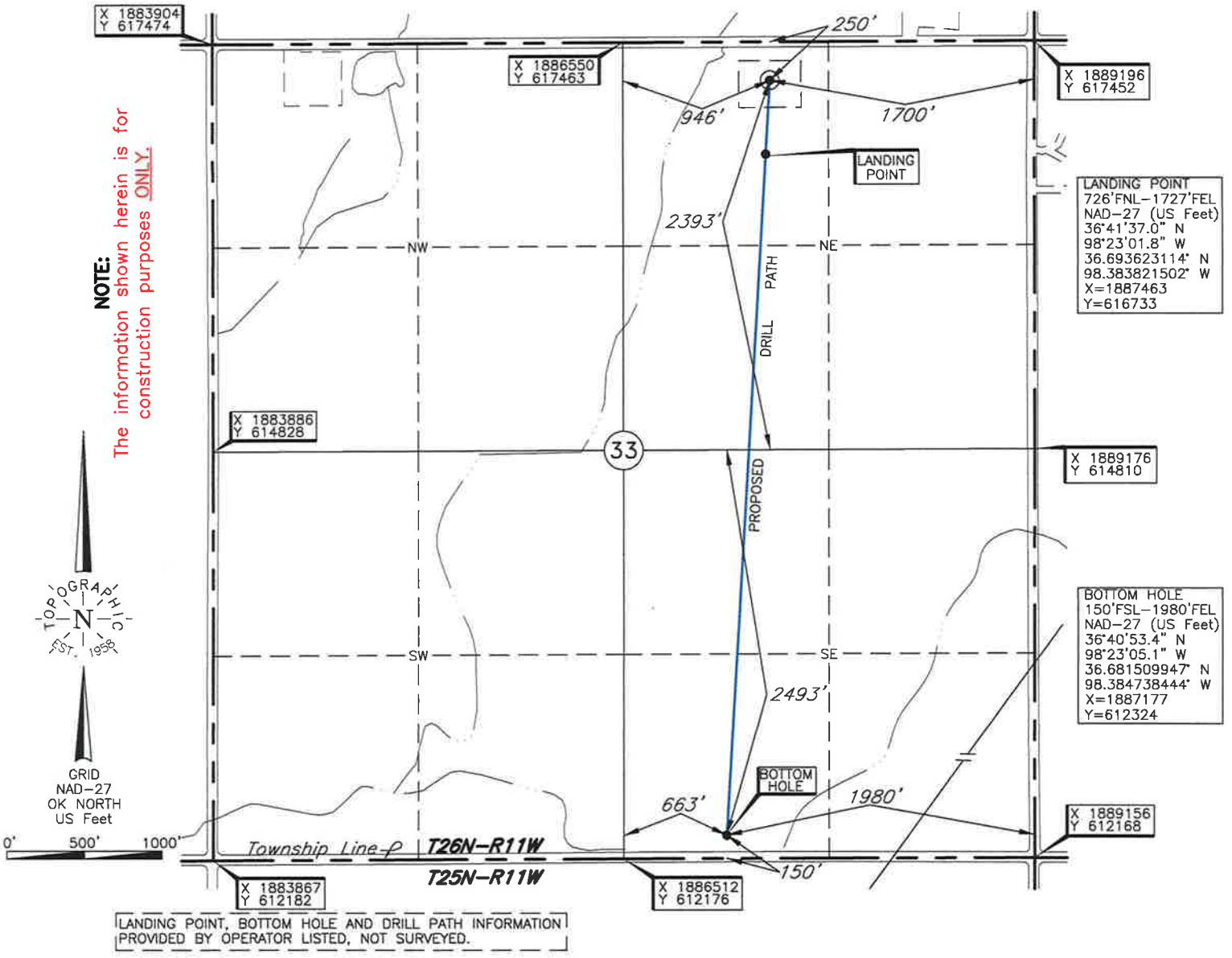
Thomas L. Howell  
 Oklahoma Lic. No. 1433



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

ALFALFA County, Oklahoma

250'FNL - 1700'FEL Section 33 Township 26N Range 11W I.M.



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

**LANDING POINT**  
 726'FNL-1727'FEL  
 NAD-27 (US Feet)  
 36°41'37.0" N  
 98°23'01.8" W  
 36.693623114" N  
 98.383821502" W  
 X=1887463  
 Y=616733

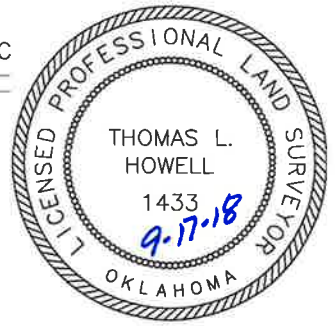
**BOTTOM HOLE**  
 150'FSL-1980'FEL  
 NAD-27 (US Feet)  
 36°40'53.4" N  
 98°23'05.1" W  
 36.681509947" N  
 98.384738444" W  
 X=1887177  
 Y=612324



Operator: MACH RESOURCES **ELEVATION:**  
 Lease Name: PORTER 33-26-11 Well No.: 2H 1214' Gr. at Stake  
 Topography & Vegetation Loc. fell in sloped grass pasture, ±175' South of E-W pipeline  
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None  
 Best Accessibility to Location From North off county road  
 Distance & Direction From Cherokee, OK, go ±4.0 mi. South, then ±1.0 mi. West to  
the NE Cor. of Sec. 33-T26N-R11W

Date of Drawing: Sep. 14, 2018  
 Invoice # 302566 Date Staked: Sep. 11, 2018 AC  
 DATUM: NAD-27  
 LAT: 36°41'41.8"N  
 LONG: 98°23'01.4"W  
 LAT: 36.694930884° N  
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 STATE PLANE  
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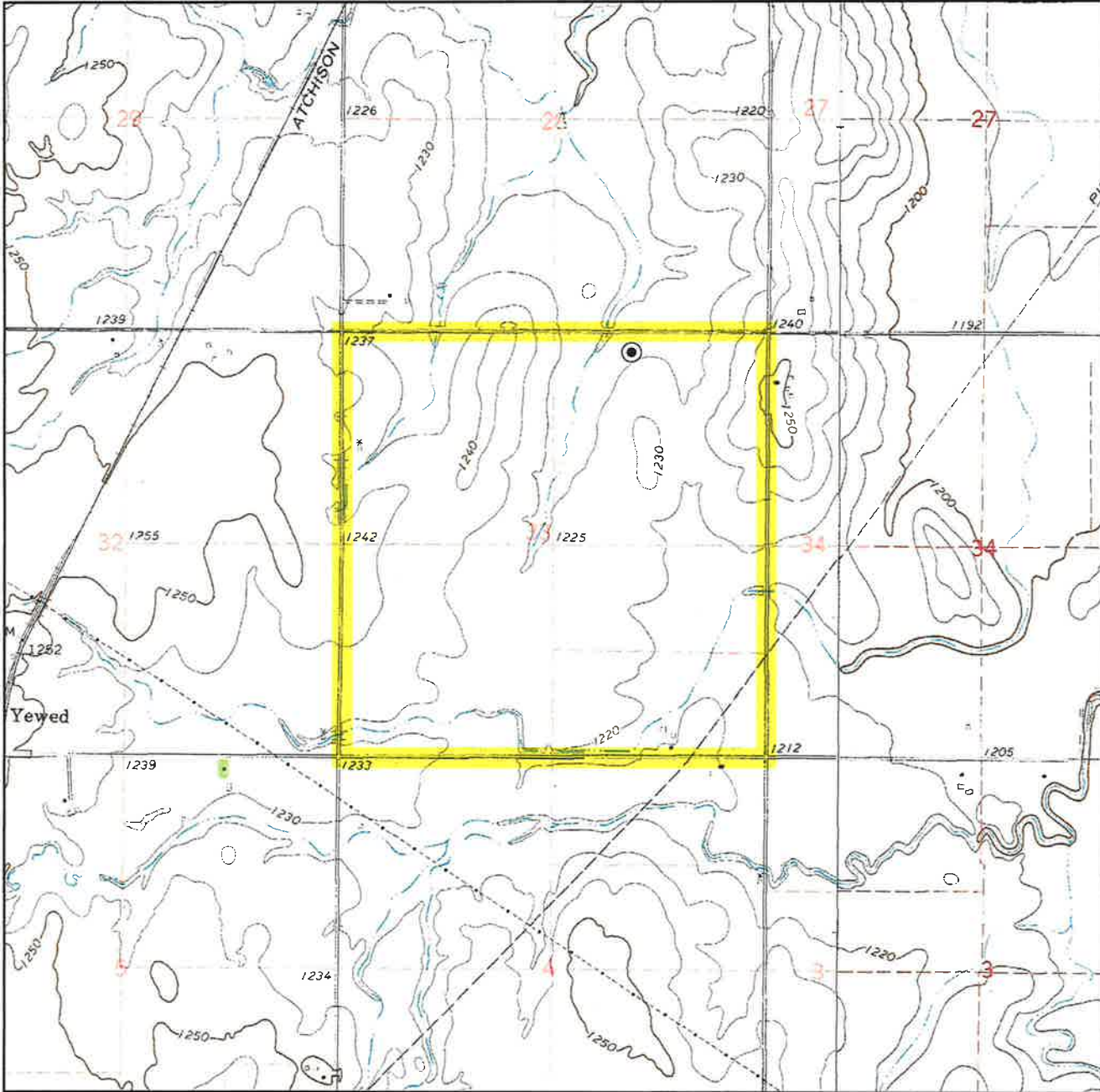
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 33 Twp. 26N Rng. 11W IM

County ALFALFA State OK

Operator MACH RESOURCES

Description 250'FNL - 1700'FEL

Lease PORTER 33-26-11 2H

Elevation 1214' 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.



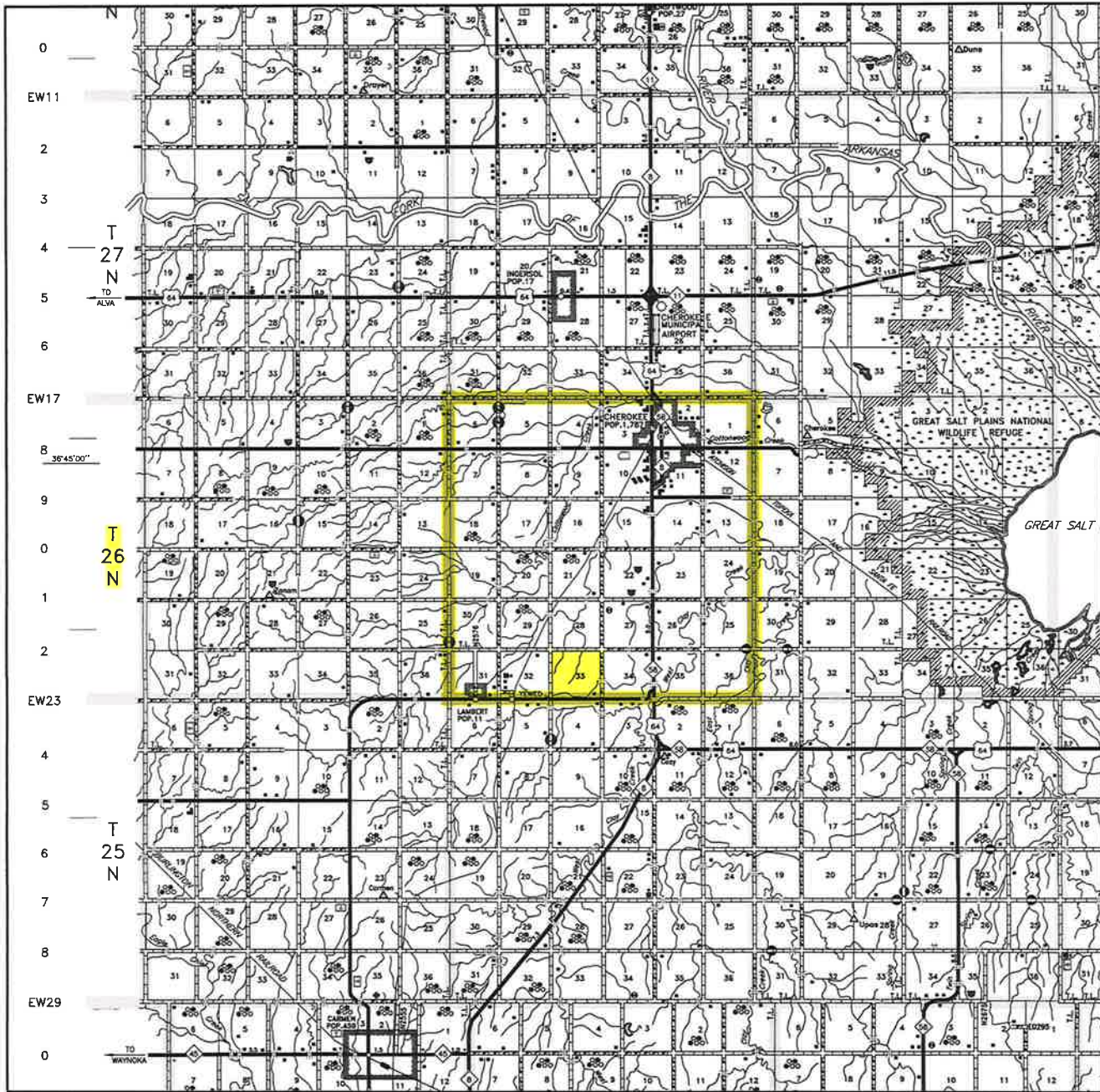
LAND SURVEYORS OF OKLAHOMA

Sep. 11, 2018

# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry  
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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 33 Twp. 26N Rng. 11W IM

County ALFALFA State OK

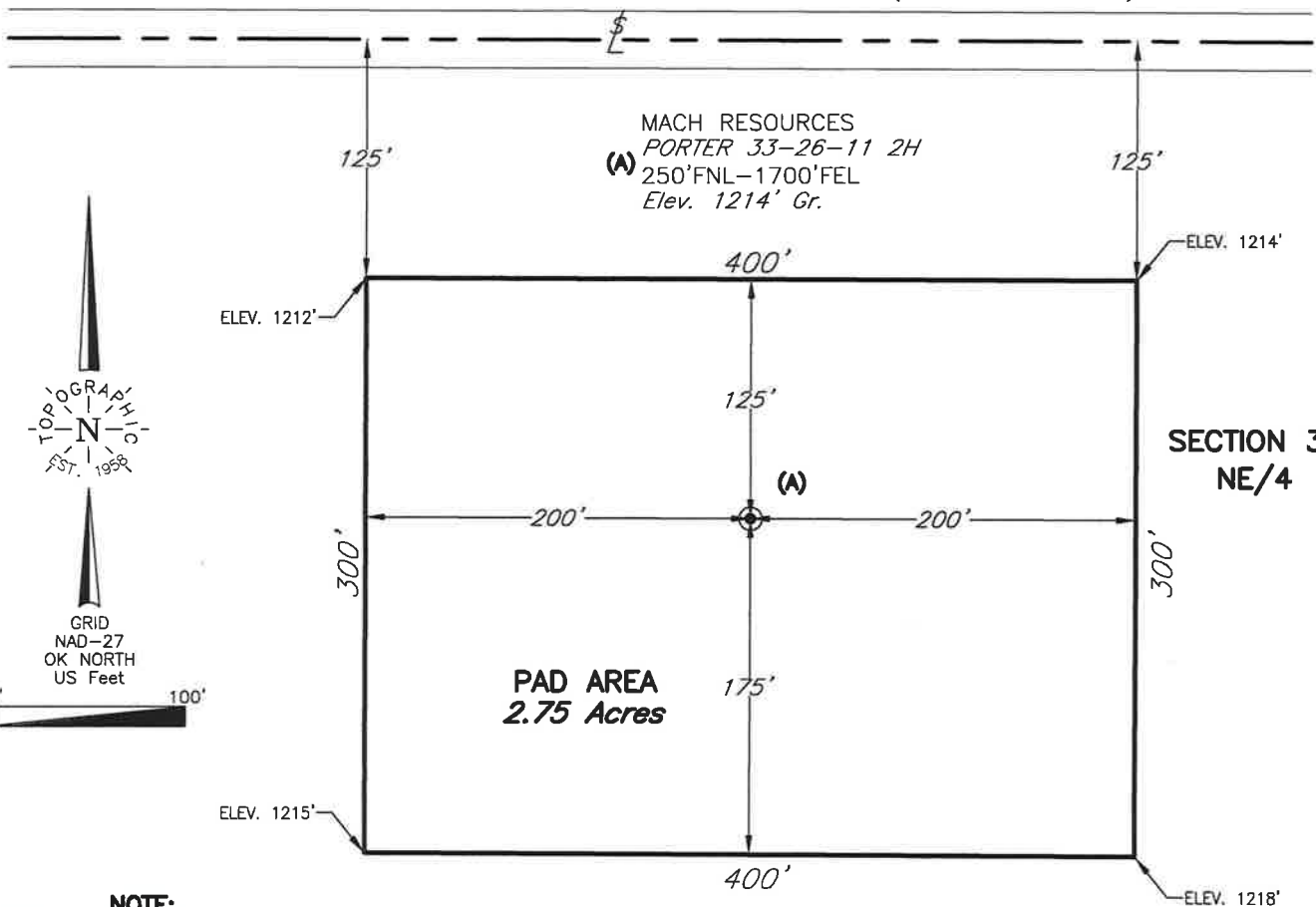
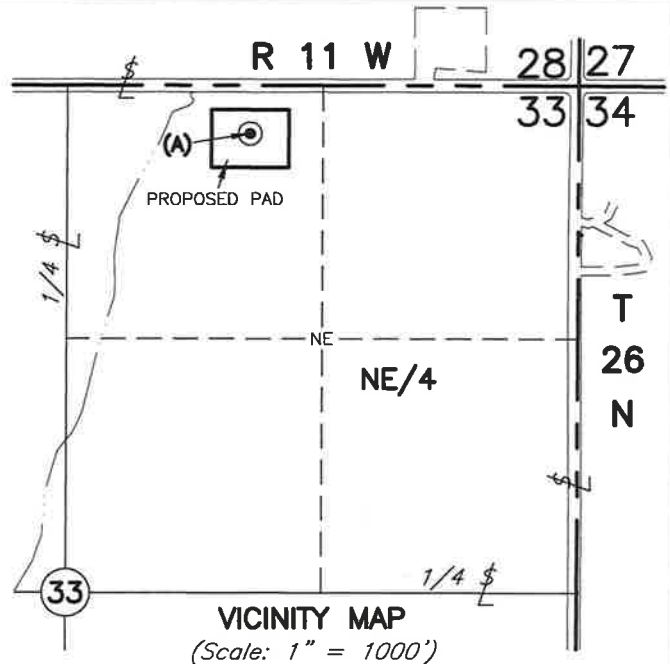
Operator MACH RESOURCES



LAND SURVEYORS OF OKLAHOMA

**T 26 N - R 11 W**  
**(INDIAN MERIDIAN)**

PLAT SHOWING  
**PROPOSED PAD AREA IN THE**  
**NE/4 OF SECTION 33, T26N - R11W**  
**ALFALFA COUNTY, OKLAHOMA**



**NOTE:**

The information shown herein is for construction purposes **ONLY**.

				This plat was prepared exclusively for		SCALE: 1"=100'	
				<b>MACH RESOURCES</b>		DATE: 09-14-18	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma		INVOICE NO.: 302566	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY <b>TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA</b> 13800 Wireless Way, Okla. City, OK, 73134 (405) 843-4847 Certificate of Authorization No. 1293 LS		FILE NAME: L2060A.DWG	
SUR. BY:	ES	09-11-18				DWG NO.: 113014-L2-060-A	
DRAWN BY:	AC					SHEET 1 OF 1	
APPROVED BY:	TH						