

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

API NUMBER: 003 23370

Approval Date: 04/15/2019

Expiration Date: 10/15/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 27N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 270 385

Lease Name: LEAMON 32-27-11

Well No: 4H

Well will be 270 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

CATHY LEAMON HICKMAN  
1027 S COLORADO AVE.  
CHEROKEE OK 73728

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5391	6
2			7
3			8
4			9
5			10

Spacing Orders: 593207

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901971  
201901643

Special Orders:

Total Depth: 10150

Ground Elevation: 1214

**Surface Casing: 250**

Depth to base of Treatable Water-Bearing FM: 100

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: 25000 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36409

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 32 Twp 27N Rge 11W County ALFALFA

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 4866

Radius of Turn: 477

Direction: 178

Total Length: 4535

Measured Total Depth: 10150

True Vertical Depth: 5400

End Point Location from Lease,

Unit, or Property Line: 150

Additional Surface Owner	Address	City, State, Zip
CONNIE LEAMON MITCHEL	1022 VILLAS CREEK DR.	EDMOND, OK 73003
CHRISTA LEAMON HUGHES	1005 W MAIN ST.	CARMEN, OK 73726

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

4/11/2019 - 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 - 201901643

4/15/2019 - GA8 - (I.O.) 32-27N-11W  
X593207 MSSP  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL  
NO OP. NAMED  
REC 4/8/2019 (THOMAS)

PENDING CD - 201901971

4/15/2019 - GA8 - 32-27N-11W  
X593207 MSSP  
1 WELL  
BCE-MACH, LLC  
HEARING 4/22/2019

SPACING - 593207

4/15/2019 - GA8 - (640) 32-27N-11W  
VAC 280296 MSSCT  
VAC 366275 MSSLM  
REFORM OTHER  
EST MSSP, OTHERS

SURFACE CASING

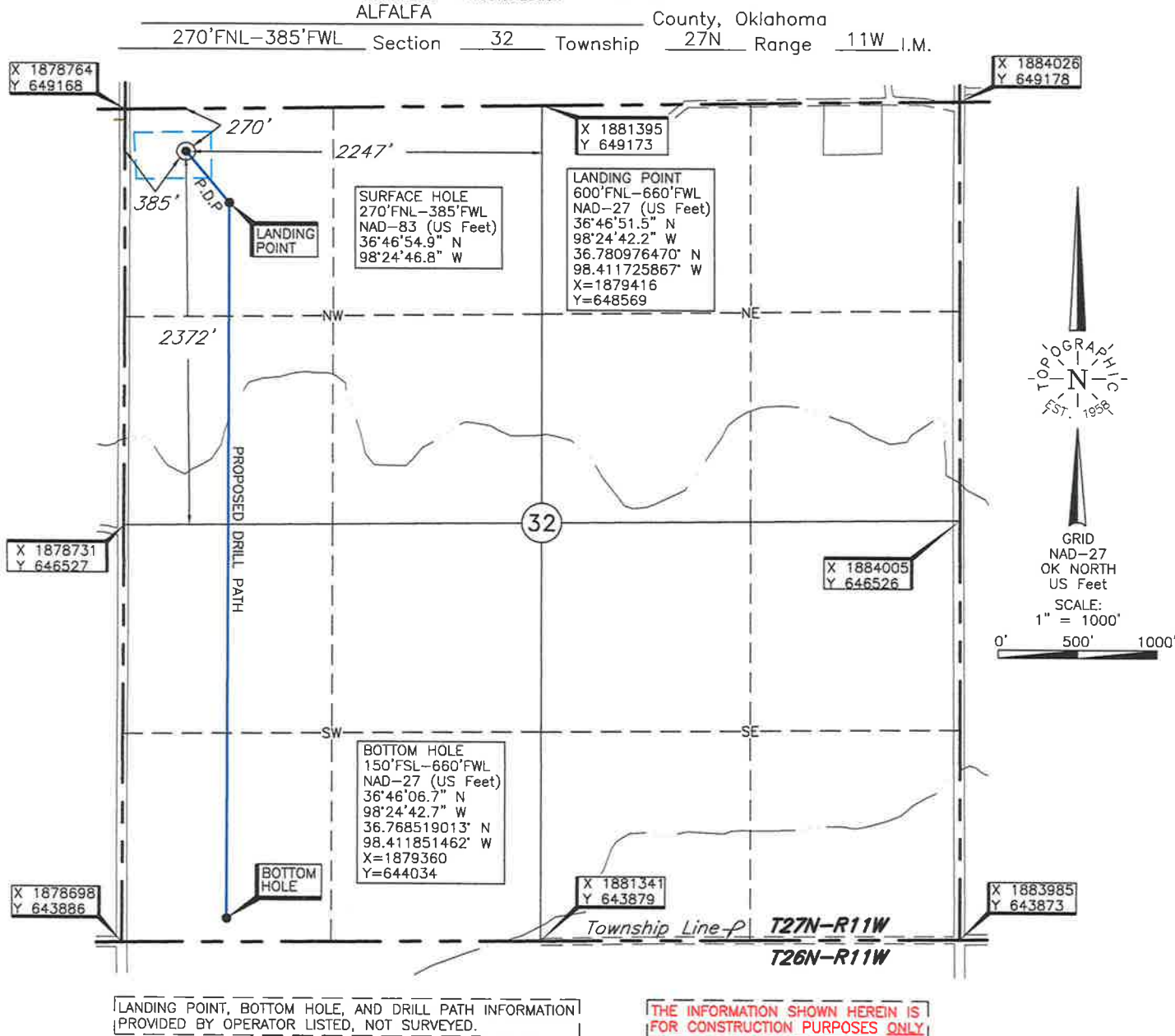
4/11/2019 - G71 - MIN. 250' PER ORDER#37123

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003 23370 LEAMON 32-27-11 4H



Operator: MACH RESOURCES

Lease Name: LEAMON 32-27-11

Well No.: 4H

**ELEVATION:**

1214' Gr. at Stake (NAVD 88)  
1213' Gr. at Stake (NGVD 29)

Topography & Vegetation Location fell in level wheat field, ±166' South of E-W saltwater line

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

Best Accessibility to Location From West off county road

Distance & Direction

from Hwy Jct or Town From Ingersol, Okla., go ±1 mile West on US. Hwy. 64, then ±1  
mile South to the NW Cor. of Sec. 32-T27N-R11W

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

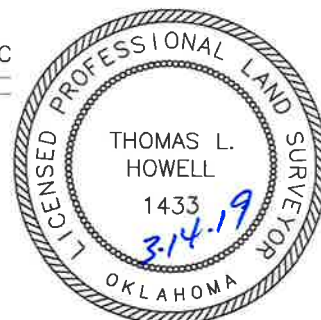
DATUM: NAD-27  
LAT: 36°46'54.8"N  
LONG: 98°24'45.6"W  
LAT: 36.781878695° N  
LONG: 98.412655944° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1879145  
Y: 648899

Date of Drawing: Mar. 14, 2019  
Project #123595 Date Staked: Mar. 11, 2019 LC

**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



# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

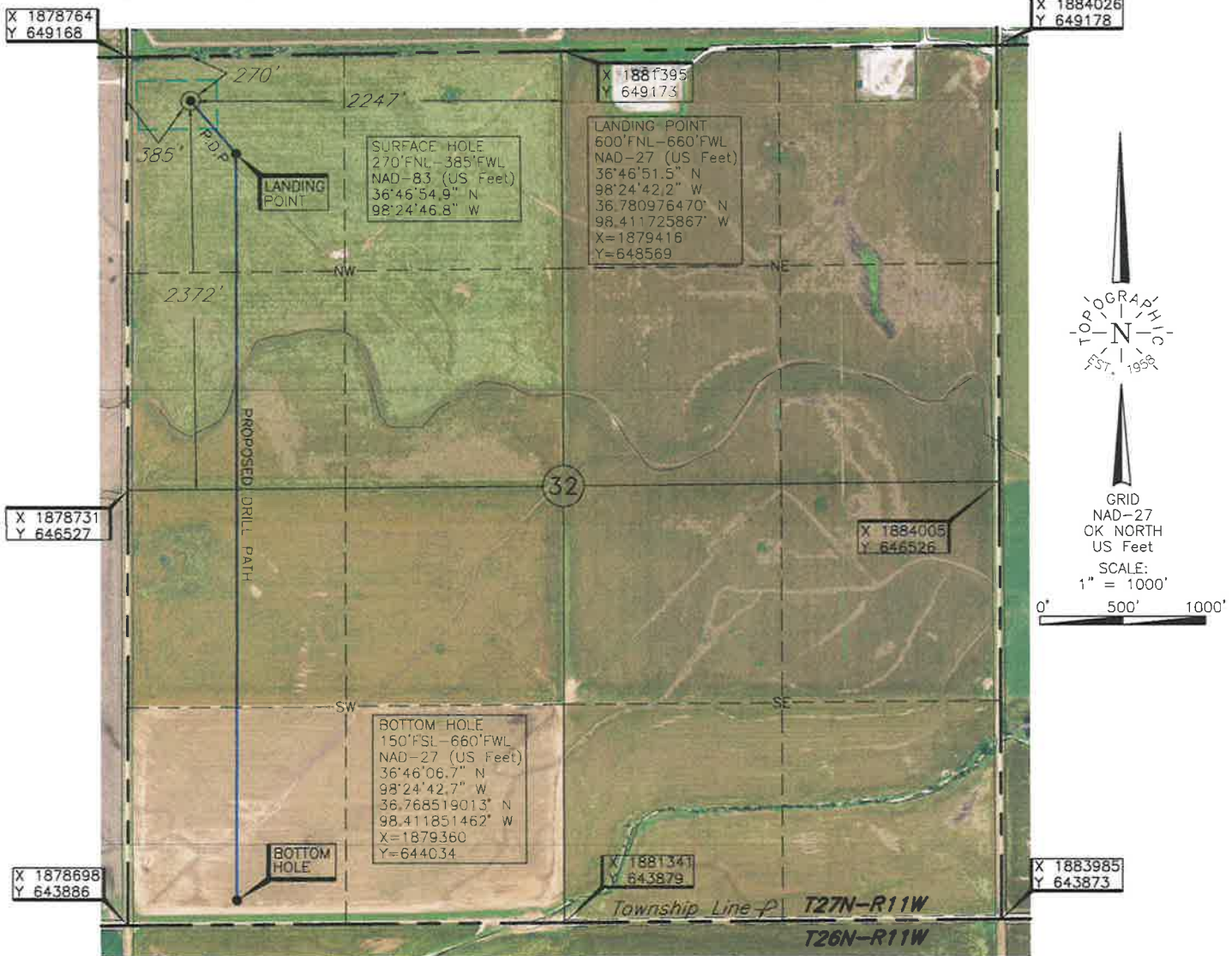
13800 Wireless Way, Okla. City, OK. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

270'FNL-385'FWL Section 32 Township 27N Range 11W I.M.



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

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY

Operator: MACH RESOURCES

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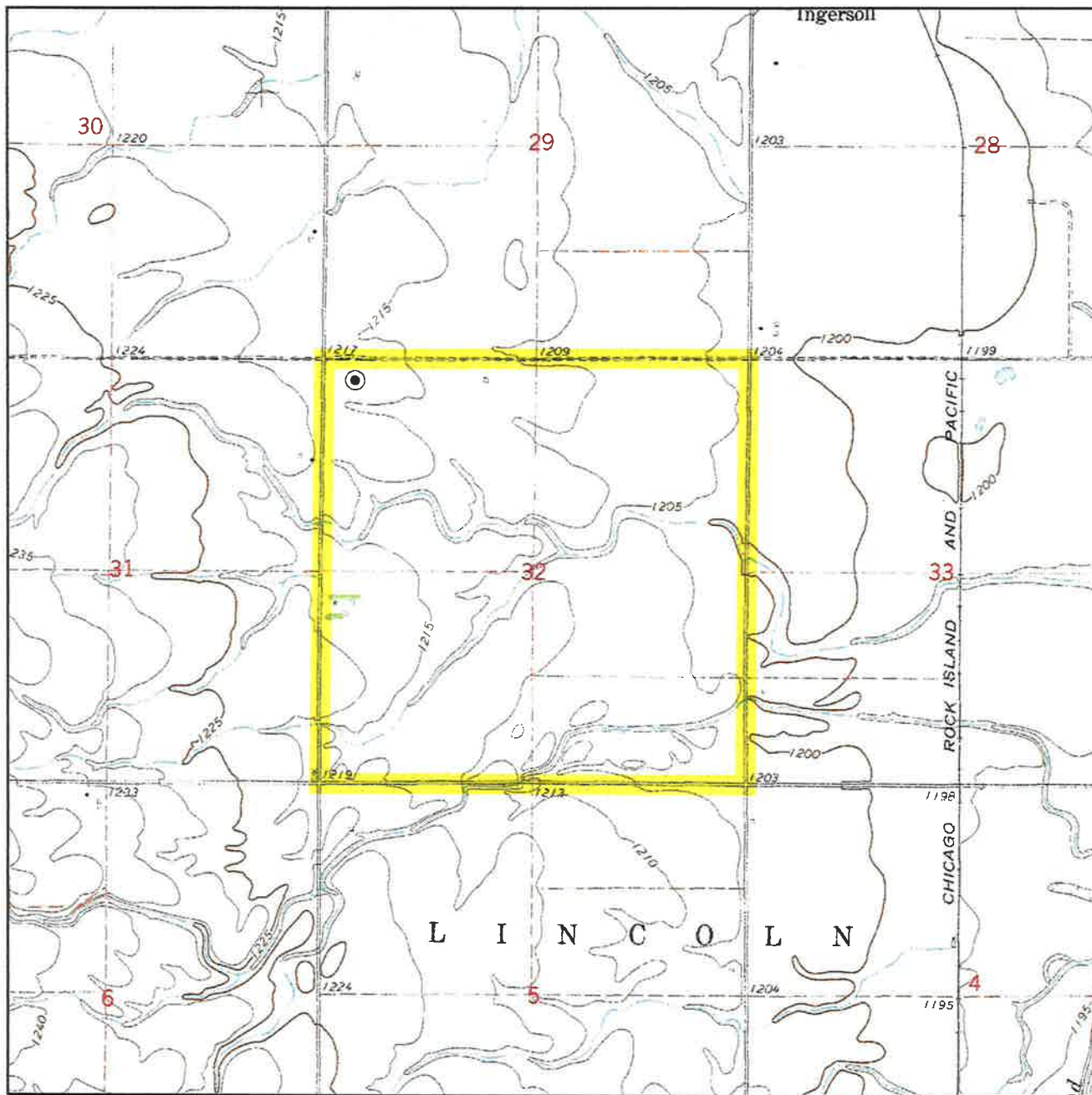
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

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

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

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 32 Twp. 27N Rng. 11W I.M.

County ALFALFA State OK

Operator MACH RESOURCES

Description 270' FNL-385' FWL

Lease LEAMON 32-27-11 4H

Elevation 1214' Gr. at Stake (NAVD 88)  
1213' Gr. at Stake (NGVD 29)

Above Background Data from  
U.S.G.S. Topographic Map  
Scale: 1"=2000'

Contour Interval 5'

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

Mar. 11, 2019

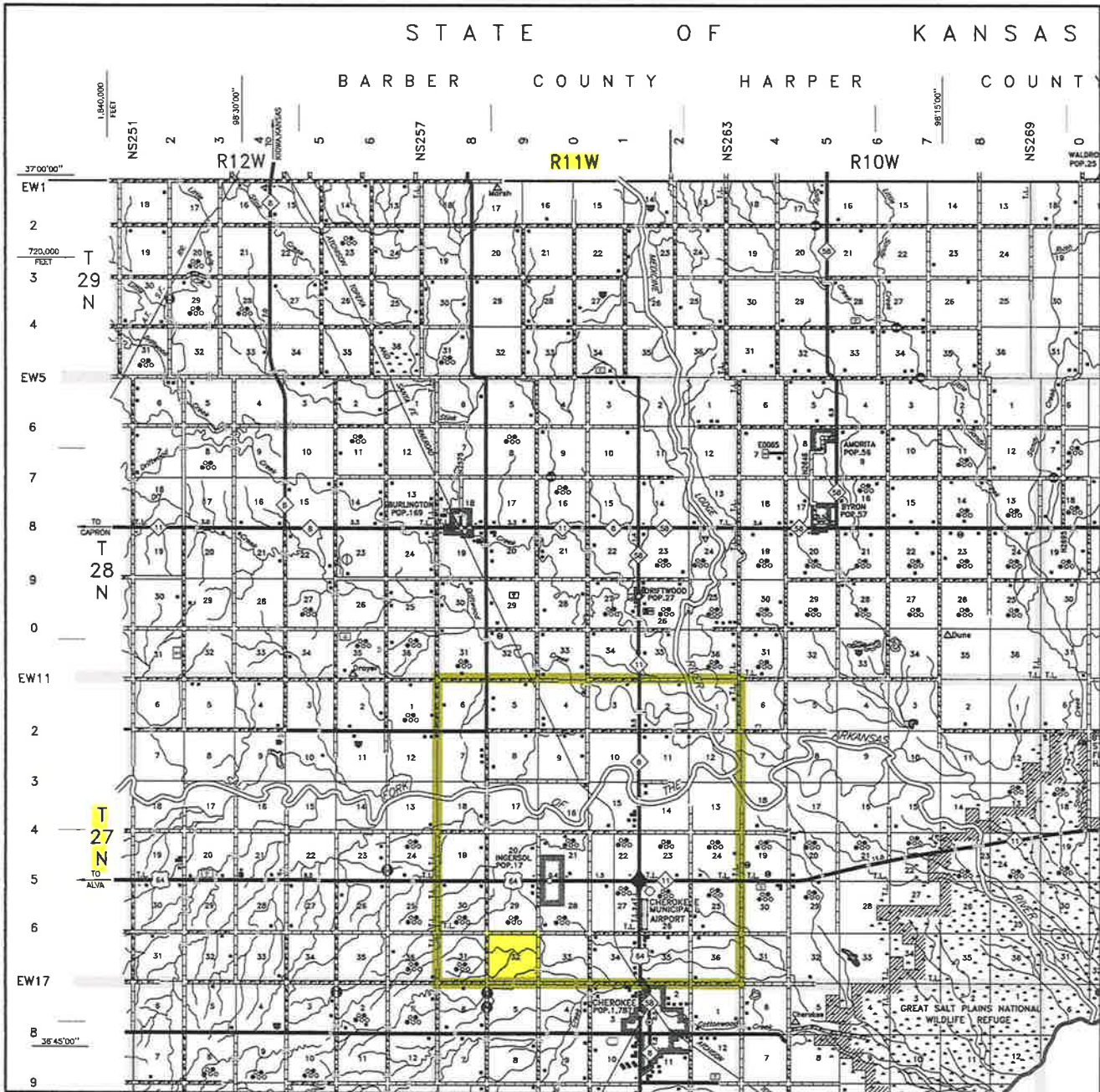
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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 32 Twp. 27N Rng. 11W I.M.

County ALFALFA State OK

Operator MACH RESOURCES



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

**LAND SURVEYORS OF OKLAHOMA**



# Exhibit "A"

