

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

API NUMBER: 003 23356

Approval Date: 01/07/2019

Expiration Date: 07/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 24N Rge: 10W County: ALFALFA
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 170 2305

Lease Name: WERNER 4-24-10 Well No: 2H Well will be 170 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

MICHAEL JAMES WERNER
P.O. BOX 88
HELENA OK 73741

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6135	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 595874

Location Exception Orders: 688529

Increased Density Orders: 688530

Pending CD Numbers:

Special Orders:

Total Depth: 11465

Ground Elevation: 1382

Surface Casing: 410

Depth to base of Treatable Water-Bearing FM: 360

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: 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35293
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 04 Twp 24N Rge 10W County ALFALFA

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5668

Radius of Turn: 853

Direction: 4

Total Length: 4457

Measured Total Depth: 11465

True Vertical Depth: 6210

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/2/2019 - 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; 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

INCREASED DENSITY - 688530

1/7/2019 - G58 - 4-24N-10W
X595874 MSSP
1 WELL
BCE-MACH LLC
12/18/2018

LOCATION EXCEPTION - 688529

1/7/2019 - G58 - (I.O.) 4-24N-10W
X595874 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FEL
BCE-MACH LLC
12/18/2018

SPACING - 595874

1/7/2019 - G58 - (640) 4-24N-10W
VAC 99111 MSSCT
EST OTHERS
EXT 592592 MSSP

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003 23356 WERNER 4-24-10 2H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

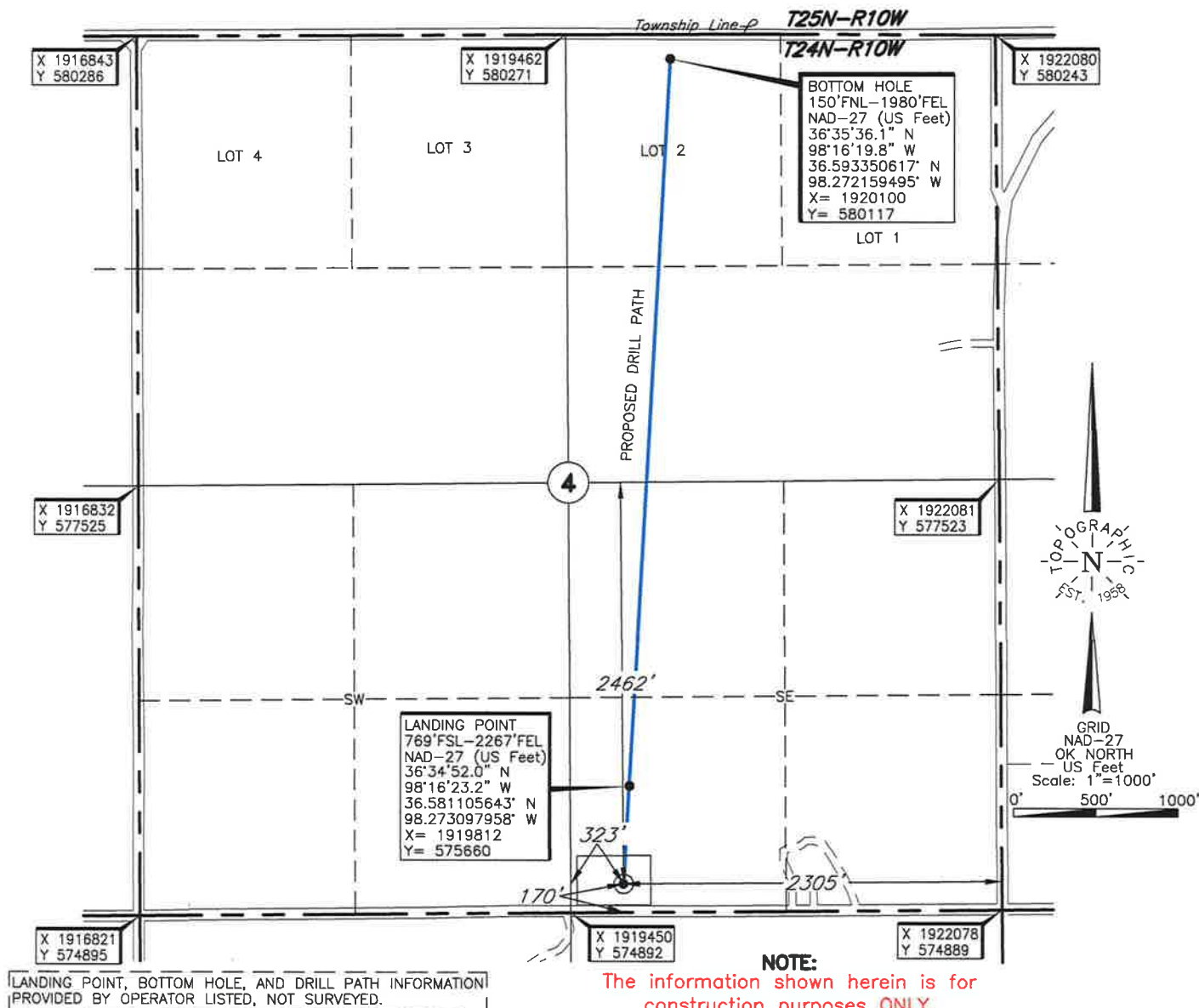
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

003-23356

170'FSL-2305'FEL Section 4 Township 24N Range 10W I.M.



NOTE:

The information shown herein is for construction purposes ONLY.

ELEVATION:

1382' Gr. at Stake

Operator: MACH RESOURCES

Lease Name: WERNER 4-24-10

Well No.: 2H

Topography & Vegetation Loc. fell in sloped hay field.

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 Helena, Oklahoma, go ±2.5 miles North to the Southeast Corner of Section 4-T24N-R10W.

DATUM: NAD-27
LAT: 36°34'46.1" N
LONG: 98°16'23.6" W
LAT: 36.579460675° N
LONG: 98.273224007° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1919773
Y: 575062

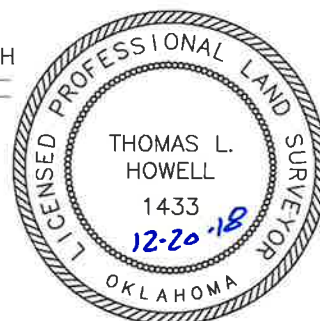
Date of Drawing: Dec. 19, 2018
Invoice # 308336 Date Staked: Dec. 15, 2018

KH

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



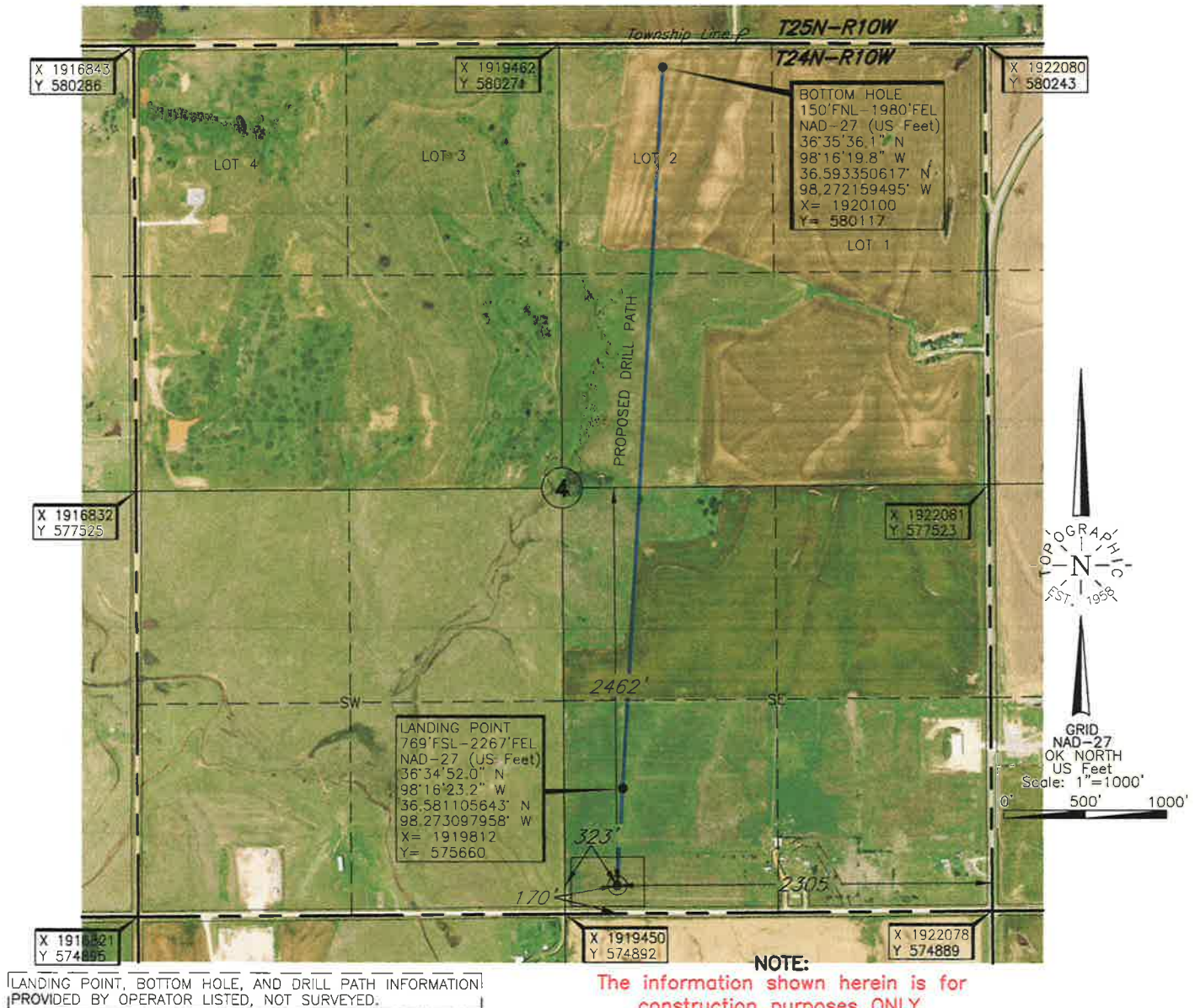
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ALFALFA

County, Oklahoma

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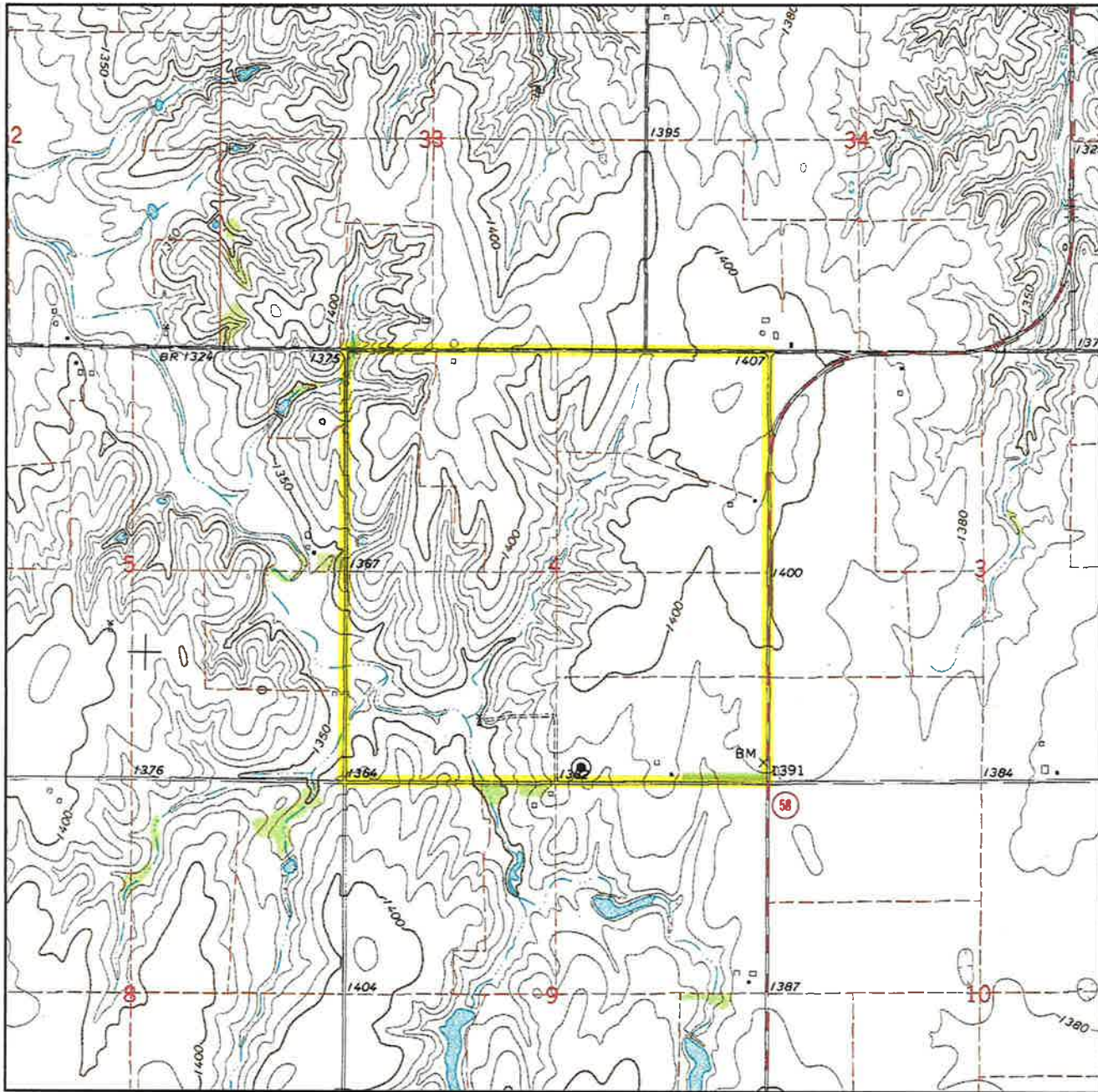
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

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LONG: 98°16'23.6" W
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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. 4 Twp. 24N Rng. 10W IM

County ALFALFA State OK

Operator MACH RESOURCES

Description 170'FSL-2305'FEL

Lease WERNER 4-24-10 2H

Elevation 1382' 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

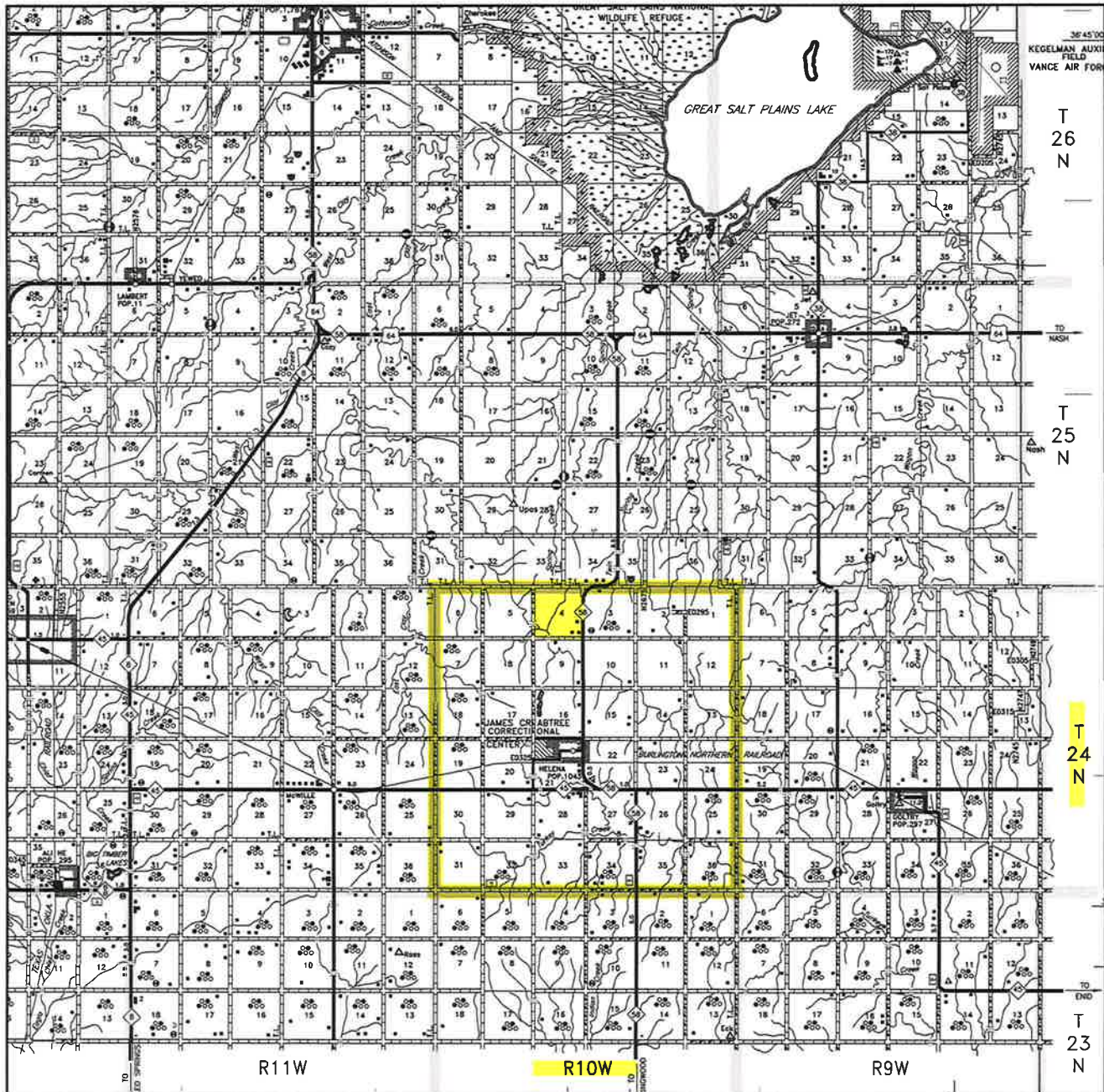
LAND SURVEYORS OF OKLAHOMA

Dec. 15, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 4 Twp. 24N Rng. 10W IM

County ALFALFA State OK

Operator MACH RESOURCES

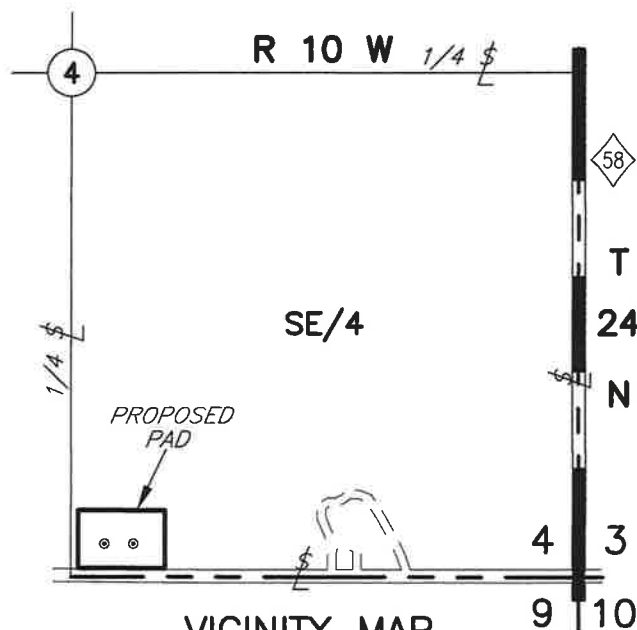


LAND SURVEYORS OF OKLAHOMA

T 24 N - R 10 W (INDIAN MERIDIAN)

PLAT SHOWING

PROPOSED PAD AREA IN THE
SE/4 OF SECTION 4, T24N-R10W
ALFALFA COUNTY, OKLAHOMA



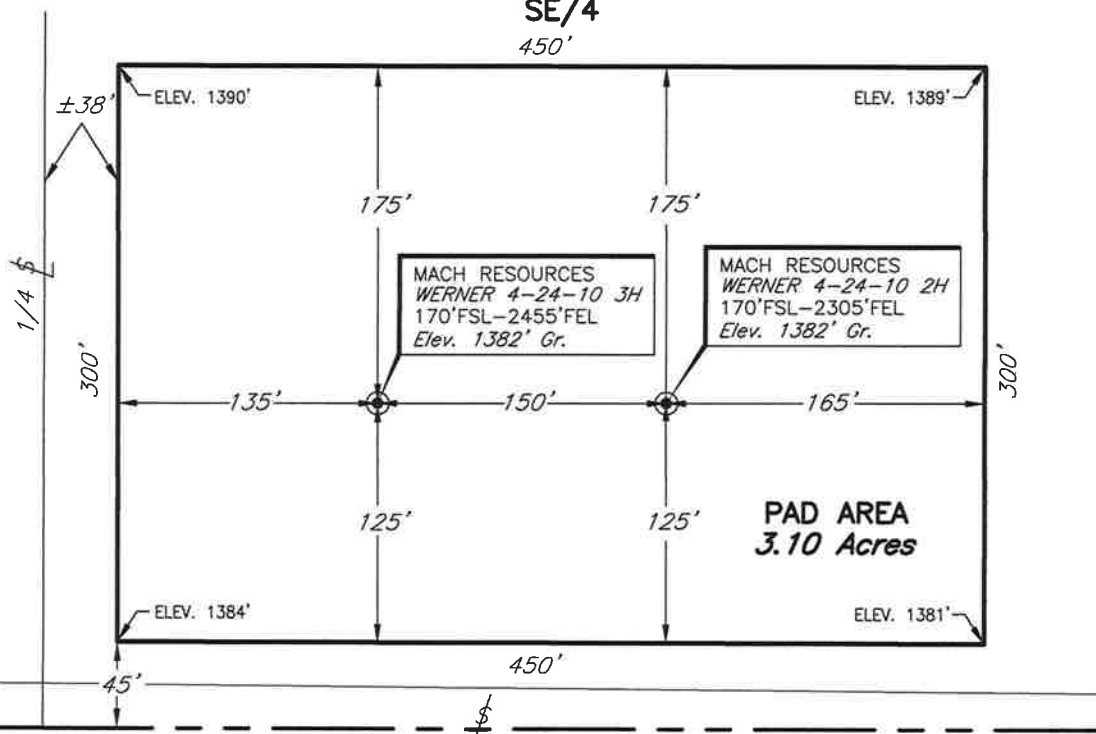
VICINITY MAP

(Scale: 1" = 1000')

SECTION 4

SE/4

450'



GRID
NAD-27
OK NORTH
US FEET

0 100'

NOTE:

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construction purposes ONLY.



This plat was prepared exclusively for
MACH RESOURCES

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73116 (405) 843-4847
Certificate of Authorization No. 1293 LS

SCALE: 1"=100'
DATE: 12-19-18
INVOICE NO.: 308336
FILE NAME: L2112A.dwg
DRAWING NO.: 113014-L2-112-A
SHEET 1 OF 1

NO.	REVISION	DATE	BY
SURV. BY:	DJ	12-15-18	
DRAWN BY:	KH		
APPROVED BY:	TH		