

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

API NUMBER: 151 24575

Approval Date: 09/09/2019

Expiration Date: 03/09/2021

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 25N Rge: 14W

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 2310

Lease Name: L&D LAND & CATTLE 10-25-14

Well No: 1H

Well will be 200 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

L&D LAND AND CATTLE, L.L.C.
48260 COMANCHE ROAD
DACOMA OK 73731

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5915	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 699197

Location Exception Orders: 700783

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10916

Ground Elevation: 1454

Surface Casing: 170

Depth to base of Treatable Water-Bearing FM: 120

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36800
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 18 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 10 Twp 25N Rge 14W County WOODS

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: 5544

Radius of Turn: 535

Direction: 4

Total Length: 4532

Measured Total Depth: 10916

True Vertical Depth: 6065

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/30/2019 - GC4 - 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

LOCATION EXCEPTION - 700783

9/9/2019 - GC2 - (I.O.) 10-25N-14W
X699197 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FEL
BCE-MACH LLC
8-14-2019

SPACING - 699197

9/9/2019 - GC2 - (640)(HOR) 10-25N-14W
EXT 601554 MSSP
VAC 79714 CSTR
COMPL. INT. NCT 660' FB

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

WOODS

County, Oklahoma

200'FSL-2310'FEL Section 10 Township 25N Range 14W I.M.

X 1794123
Y 607529X 1799408
Y 607442X 1796762
Y 607486

BOTTOM HOLE

BOTTOM HOLE
150'FNL-1980'FEL
NAD-27 (US Feet)
36°39'59.1" N
98°41'26.4" W
36.666413038" N
98.690662183" W
X=1794727
Y=607325

X 1794108
Y 604888X 1799387
Y 604802

10

PROPOSED DRILL PATH

2442'

LANDING POINT

LANDING POINT
600'FSL-1980'FEL
NAD-27 (US Feet)
36°39'14.3" N
98°41'26.4" W
36.653962997" N
98.690673509" W
X=1797392
Y=602793

X 1796730
Y 602203

328'

200'

2310'

X 1799367
Y 602160X 1794093
Y 602246

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

Operator: MACH RESOURCES

Lease Name: L&D LAND/CATTLE 10-25-14

Well No.: 1H

ELEVATION:

1454' Gr. at Stake

Topography & Vegetation Location fell in level to slope sandy grass pasture

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 Alva, Okla., go ±10' South, then ±1 mile West to the SE
cor. of Sec. 10-T25N-R14W

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

DATUM: NAD-27
LAT: 36°39'10.3"N
LONG: 98°41'30.5"W
LAT: 36.652871608° N
LONG: 98.691798582° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1797059
Y: 602398

Revision ☒ A

Date of Drawing: July 29, 2019

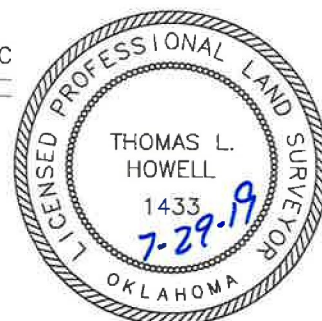
Project # 127095A Date Staked: June 15, 2019

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.

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
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200'FSL-2310'FEL Section 10 Township 25N Range 14W I.M.

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Y 607529

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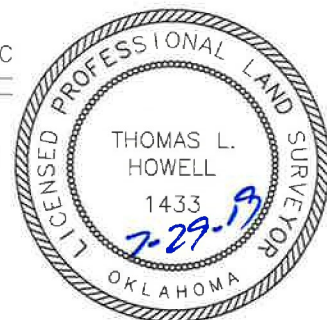
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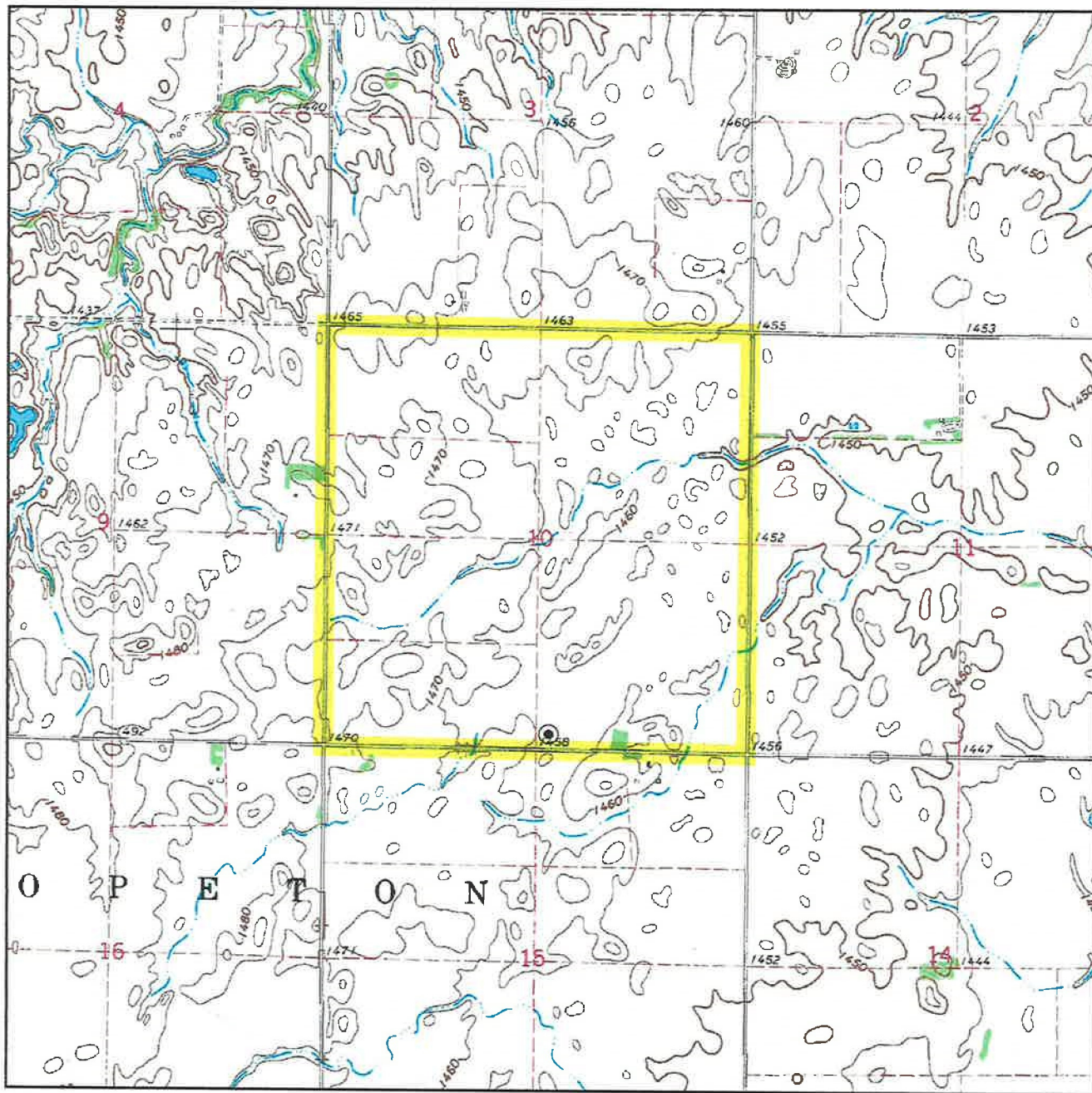
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 10 Twp. 25N Rng. 14W I.M.

County WOODS State OK

Operator MACH RESOURCES

Description 200'FSL-2310'FEL

Lease L&D LAND/CATTLE 10-25-14 1H

Elevation 1454' 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

June 15, 2019

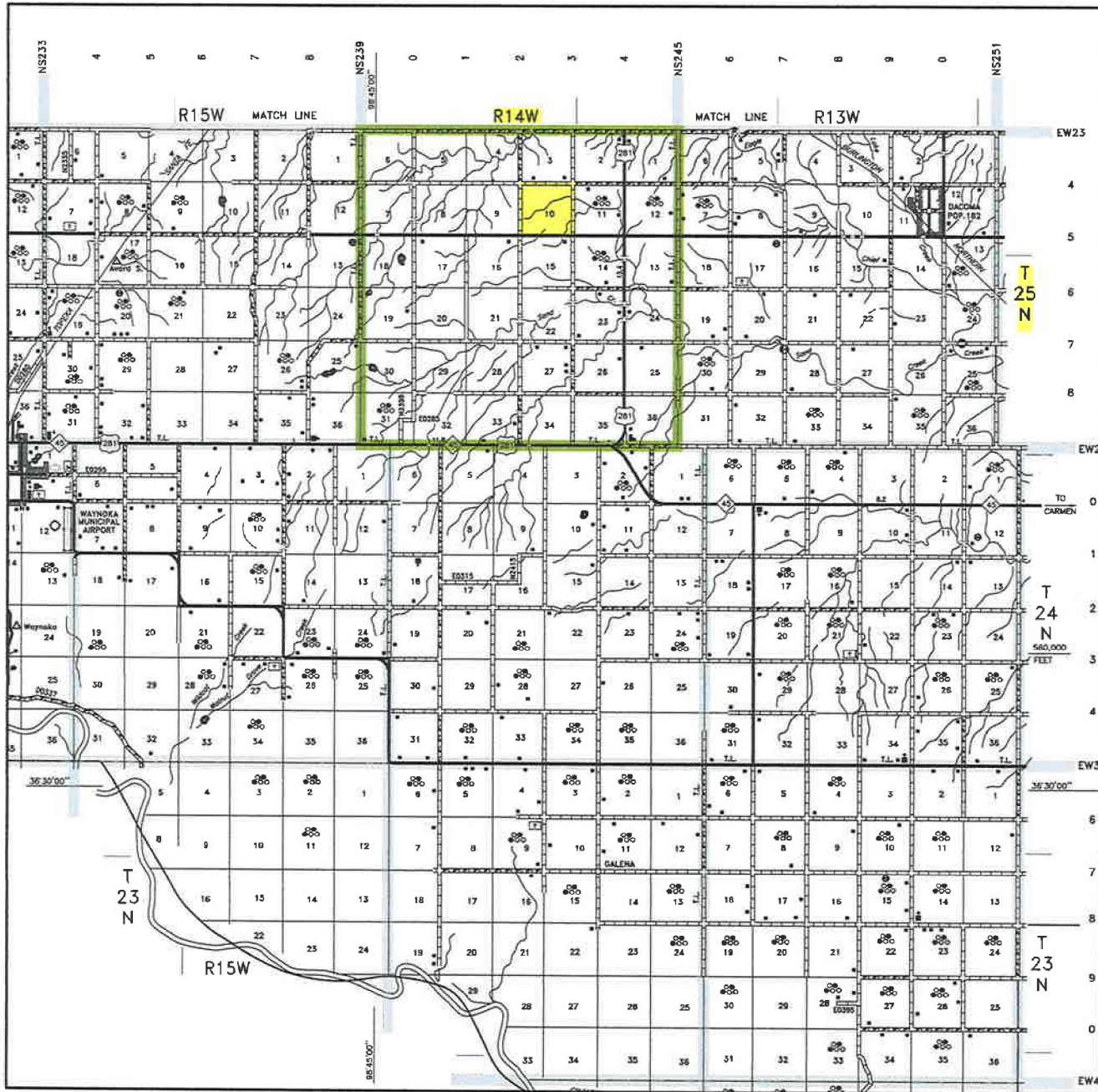
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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 10 Twp. 25N Rng. 14W I.M.

County WOODS State OK

Operator MACH RESOURCES

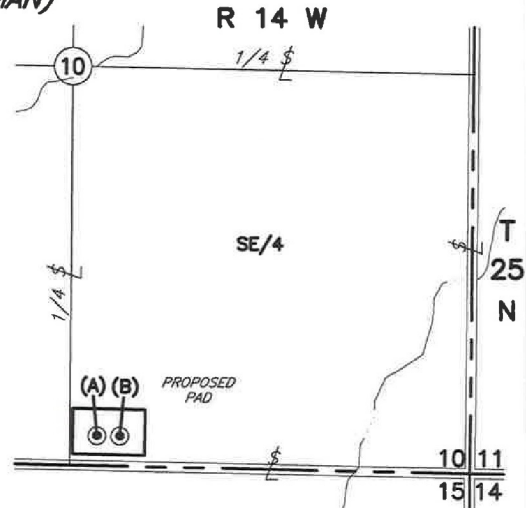


TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

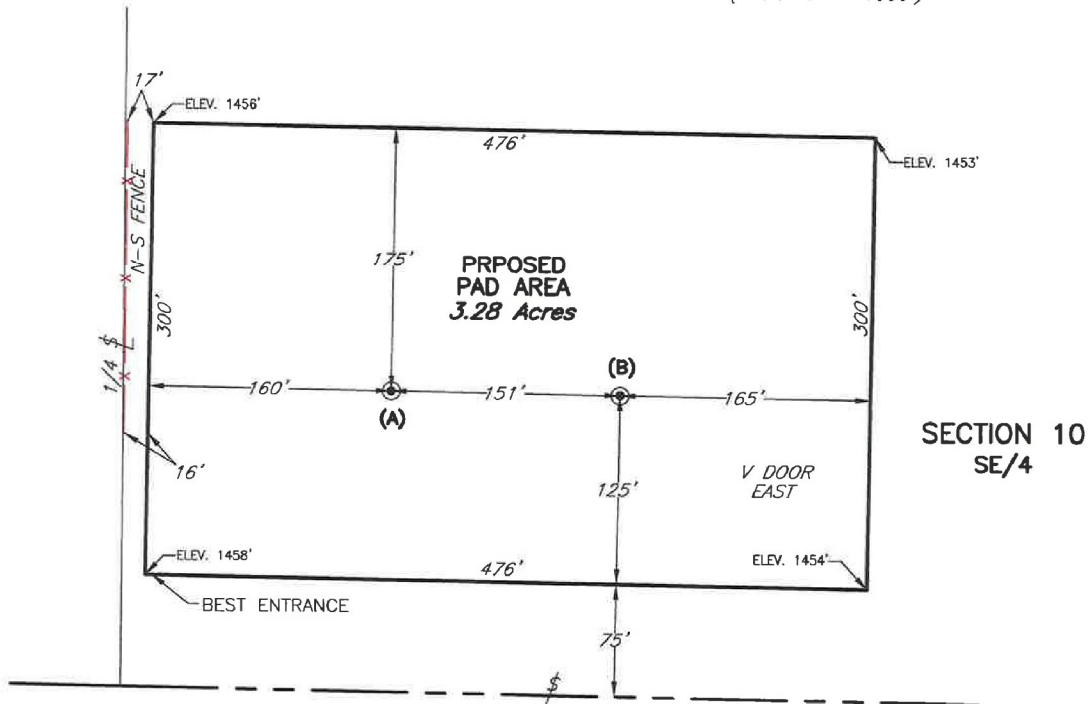
LAND SURVEYORS OF OKLAHOMA

Exhibit "A"

T 25 N – R 14 W
(INDIAN MERIDIAN)



VICINITY MAP
(Scale: 1" = 1000')



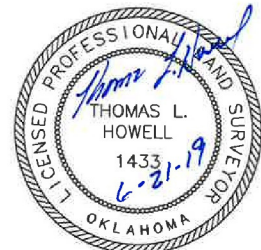
(A) MACH RESOURCES
L&D LAND/CATTLE 10-25-14 2H
200'FSL-2460'FEL
Elev. 1454' Gr.

(B) MACH RESOURCES
L&D LAND/CATTLE 10-25-14 1H
200'FSL-2310'FEL
Elev. 1454' Gr.

PLAT SHOWING
**PROPOSED PAD AREA IN THE
SE/4 OF SECTION 10, T25N-R14W
WOODS COUNTY, OKLAHOMA**

NOTE:

The information shown herein
is for construction purposes
ONLY.



This plat was prepared exclusively for				SCALE: 1"=100'	
1	NAME CHANGE	6/21/19	LC	DATE: 6-17-19	
NO.	REVISION	DATE	BY	PROJECT NO.: 127095	
SUR. BY:	DJ	6-15-19		FILE NAME: L2139B.DWG	
DRAWN BY:	LC			DWG NO.: 113014-L4-139-B	
APPROVED BY:	TH			SHEET 1 OF 1	

MACH RESOURCES

and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 Wireless Way, Okla. City, OK 73134 (405) 843-4847
Certificate of Authorization No. 1293 LS

T 25 N – R 14 W
(INDIAN MERIDIAN)

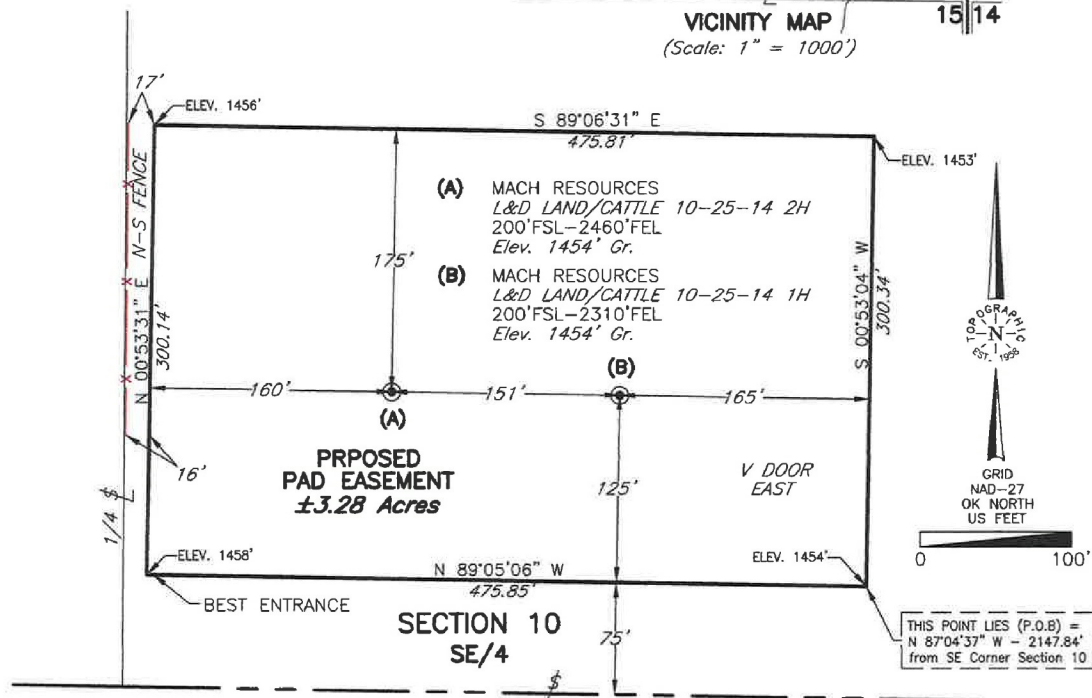
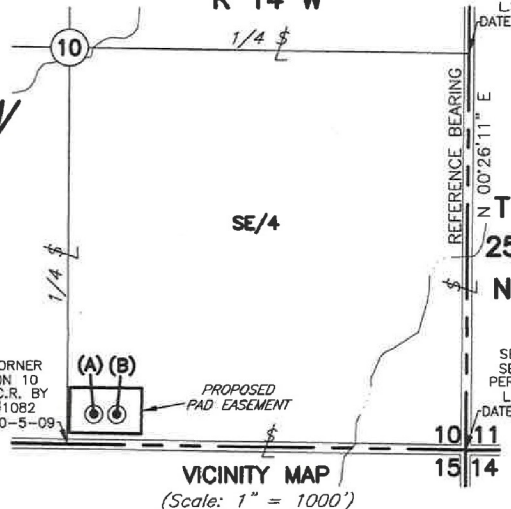
PLAT SHOWING
PROPOSED PAD EASEMENT
IN THE SE/4 OF
SECTION 10, T25N-R14W
WOODS COUNTY, OKLAHOMA

NOTE:
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S/4 CORNER
SECTION 10
PER C.C.R. BY
L.S. #1082
DATED 10-5-09

E/4 CORNER
SECTION 10
PER C.C.R. BY
L.S. #1366
DATED 9-28-00

SE CORNER
SECTION 10
PER C.C.R. BY
L.S. #1421
DATED 7-16-14



METES AND BOUNDS DESCRIPTION: (±3.28 ACRE PAD EASEMENT IN A PART OF THE SE/4 OF SECTION 10)

A proposed pad easement in a part of the Southeast Quarter (SE/4) of Section 10, Township 25 North, Range 14 West of the Indian Meridian, Woods County, Oklahoma, being more particularly described as follows:

BEGINNING (P.O.B.) at a point NORTH 87°04'37" WEST a distance of 2147.84 feet from the Southeast Corner of said Section 10;

Thence NORTH 89°05'06" WEST a distance of 475.85 feet;
Thence NORTH 00°53'31" EAST a distance of 300.14 feet;
Thence SOUTH 89°06'31" EAST a distance of 475.81 feet;
Thence SOUTH 00°53'04" WEST a distance of 300.34 feet to the POINT OF BEGINNING.

Said pad easement contains 3.28 Acres more or less.

The Basis of Bearing for this description is Grid, North American Datum 1927, Oklahoma North Zone, U.S. Feet.

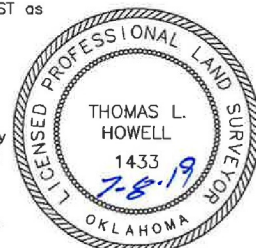
The reference bearing is the East line of the SE/4 of said Section 10, being NORTH 00°26'11" EAST as shown above, attached hereto and made a part thereof.

This description was prepared on July 8, 2019 by Thomas L. Howell, Licensed Professional Land Surveyor No. 1433.

SURVEYOR'S CERTIFICATE:

I, Thomas L. Howell, Oklahoma Licensed Professional Land Surveyor, No. 1433, do hereby certify that this plat of survey meets the Oklahoma Minimum Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

Thomas L. Howell, P.L.S. No. 1433



1	NAME CHANGE	6/21/19	LC
NO.	REVISION	DATE	BY
SUR. BY:	DJ	6-15-19	
DRAWN BY:	LC		
APPROVED BY:	TH		

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SCALE:	1"=100'
DATE:	6-17-19
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SHEET	1 OF 1