

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

API NUMBER: 151 24573

Approval Date: 08/08/2019

Expiration Date: 02/08/2021

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 29N Rge: 13W

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 325 2185

Lease Name: EWING 18-29-13

Well No: 2H

Well will be 325 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

STEVEN R. EWING AND MICHAEL EWING
1954 S MAIN ST
WICHITA KS 67213-

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4875	6
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 150484

Location Exception Orders: 697692

Increased Density Orders: 698983

Pending CD Numbers:

Special Orders:

Total Depth: 9150

Ground Elevation: 1369

Surface Casing: 310

Depth to base of Treatable Water-Bearing FM: 260

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: 19-36794
H. CLOSED SYSTEM = STEEL PITS (REQUIRED - DRIFTWOOD CREEK)

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 18 Twp 29N Rge 13W County WOODS

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 4165

Radius of Turn: 484

Direction: 358

Total Length: 4225

Measured Total Depth: 9150

True Vertical Depth: 4935

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

HYDRAULIC FRACTURING

7/23/2019 - 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 - 698983

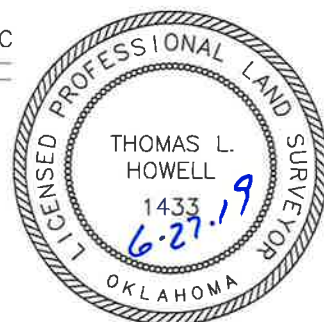
8/8/2019 - GB1 - 18-29N-13W
X150484 MSSP
1 WELL
BCE-MACH LLC
7/10/2019

LOCATION EXCEPTION - 697692

8/8/2019 - GB1 - (I.O.) 18-29N-13W
X150484 MSSP
COMPL. INT. NCT 150' FSL, NCT 0' FNL, NCT 1320' FWL
BCE-MACH LLC
6/13/2019

SPACING - 150484

8/8/2019 - GB1 - (640) 18-29N-13W
EXT 137625 MSSP, OTHERS



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

WOODS

County, Oklahoma

325'FSL - 2185'FWL Section 18 Township 29N Range 13W I.M.



Operator: MACH RESOURCES

Lease Name: EWING 18-29-13

Well No.: 2H

ELEVATION:

1369' Gr. at Stake

Topography & Vegetation Loc. fell in level wheat field, SW corner of pad is ±40' North of NW-SE pipeline

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

Best Accessibility to Location From West off US Hwy. 281

Distance & Direction From Alva, OK, go ±13.0 mi. North on US Hwy. 281 to the SW Cor. of Sec. 18-T29N-R13W

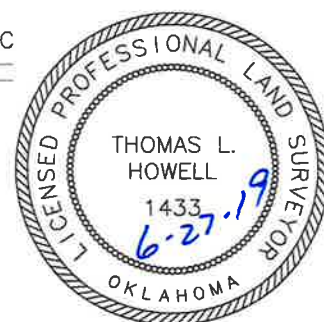
DATUM: NAD-27
LAT: 36°59'13.0"N
LONG: 98°38'42.8"W
LAT: 36.986937362° N
LONG: 98.645216246° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1811532
Y: 723929

Date of Drawing: Jun. 26, 2019
Project # 127621 Date Staked: Jun. 21, 2019 AC

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

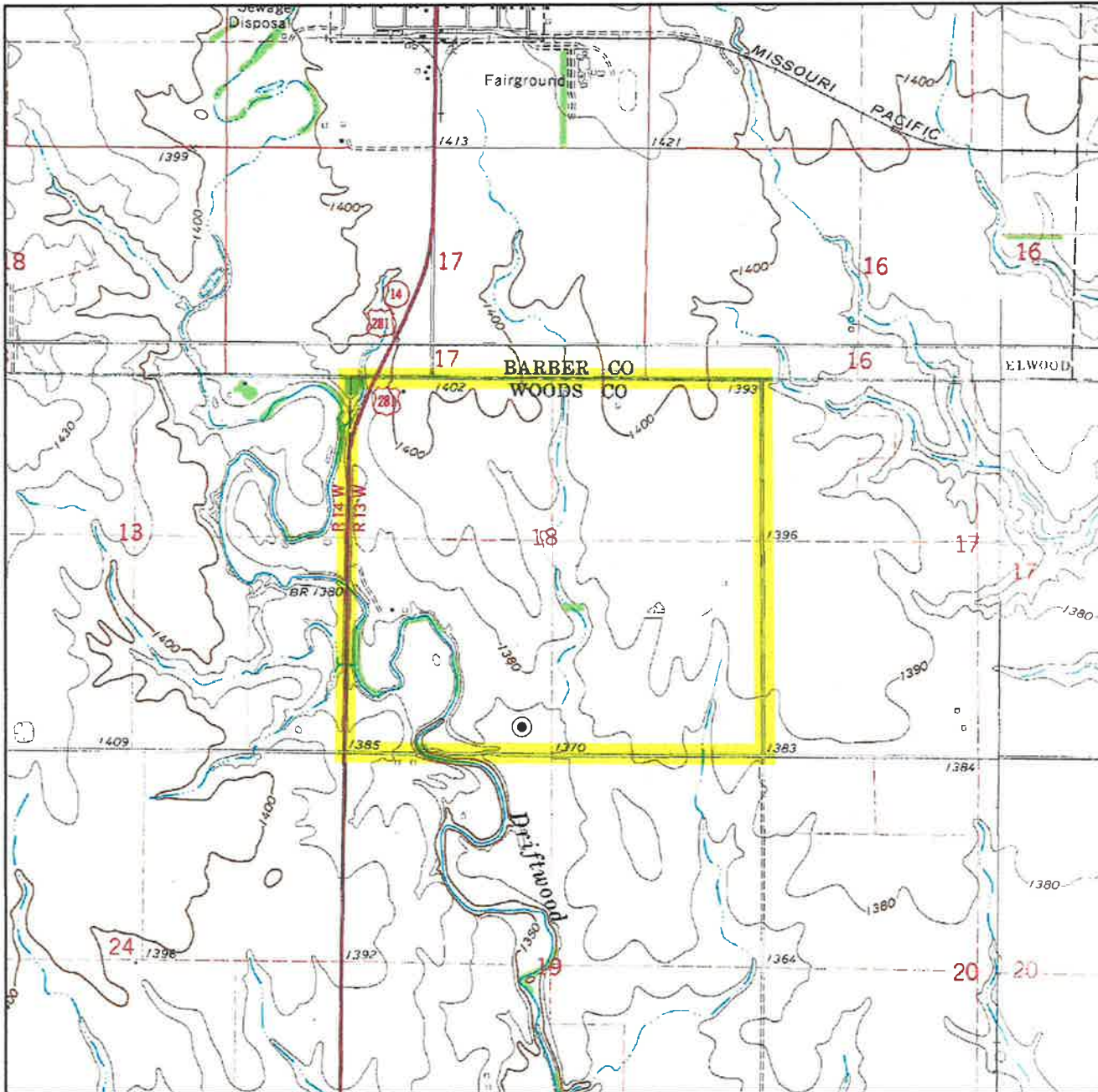
Thomas L. Howell
Oklahoma Lic. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

LOCATION & ELEVATION VERIFICATION MAP



Sec. 18 Twp. 29N Rng. 13W IM

County WOODS State OK

Operator MACH RESOURCES

Description 325'FSL - 2185'FWL

Lease EWING 18-29-13 2H

Elevation 1369' 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.



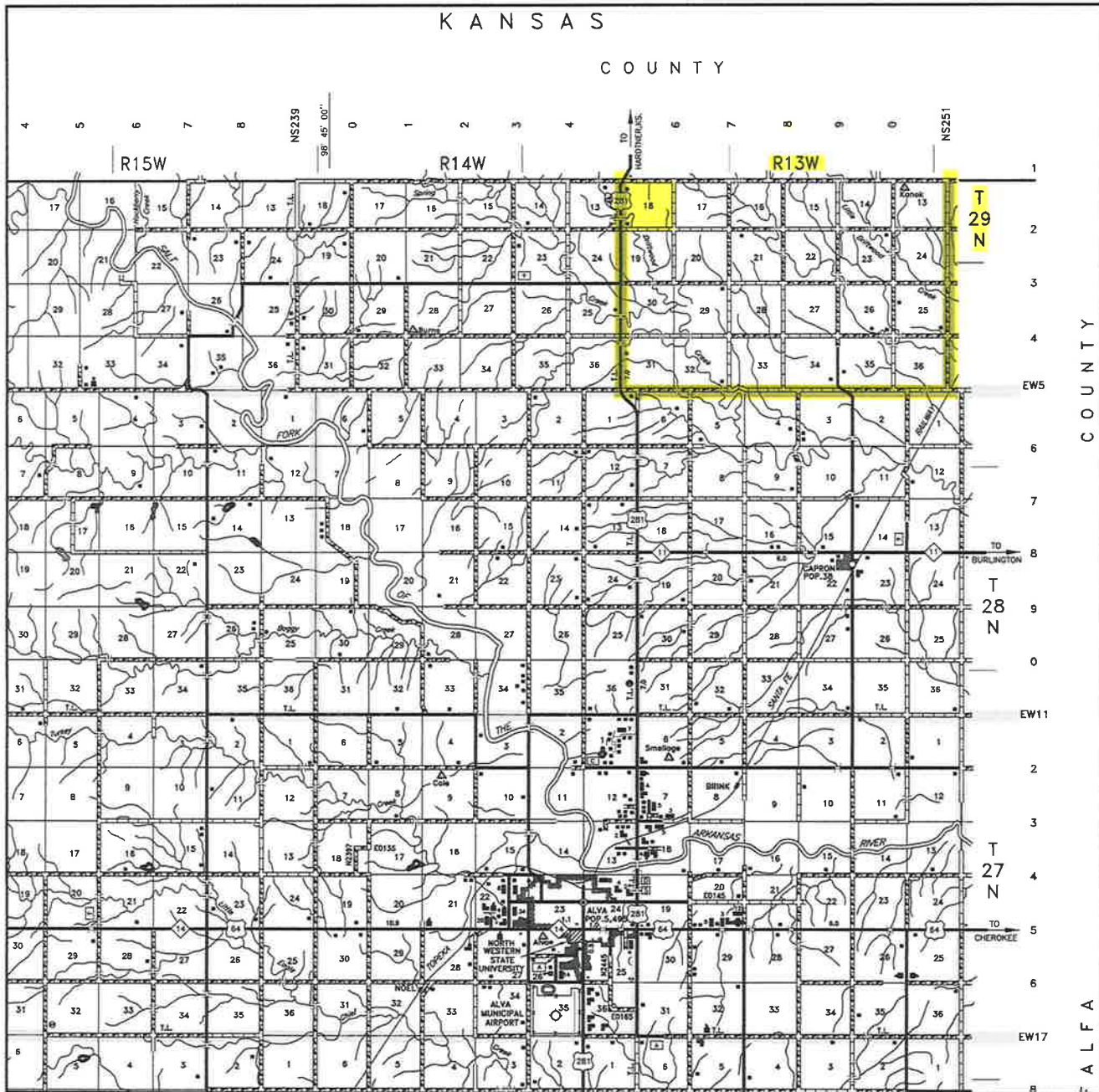
LAND SURVEYORS OF OKLAHOMA

Jun. 21, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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VICINITY MAP



Sec. 18 Twp. 29N Rng. 13W IM

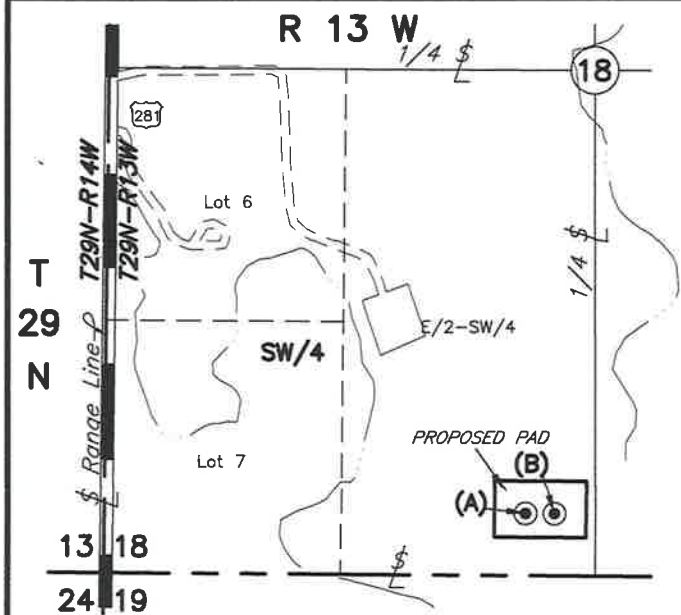
County WOODS State OK

Operator MACH RESOURCES



LAND SURVEYORS OF OKLAHOMA

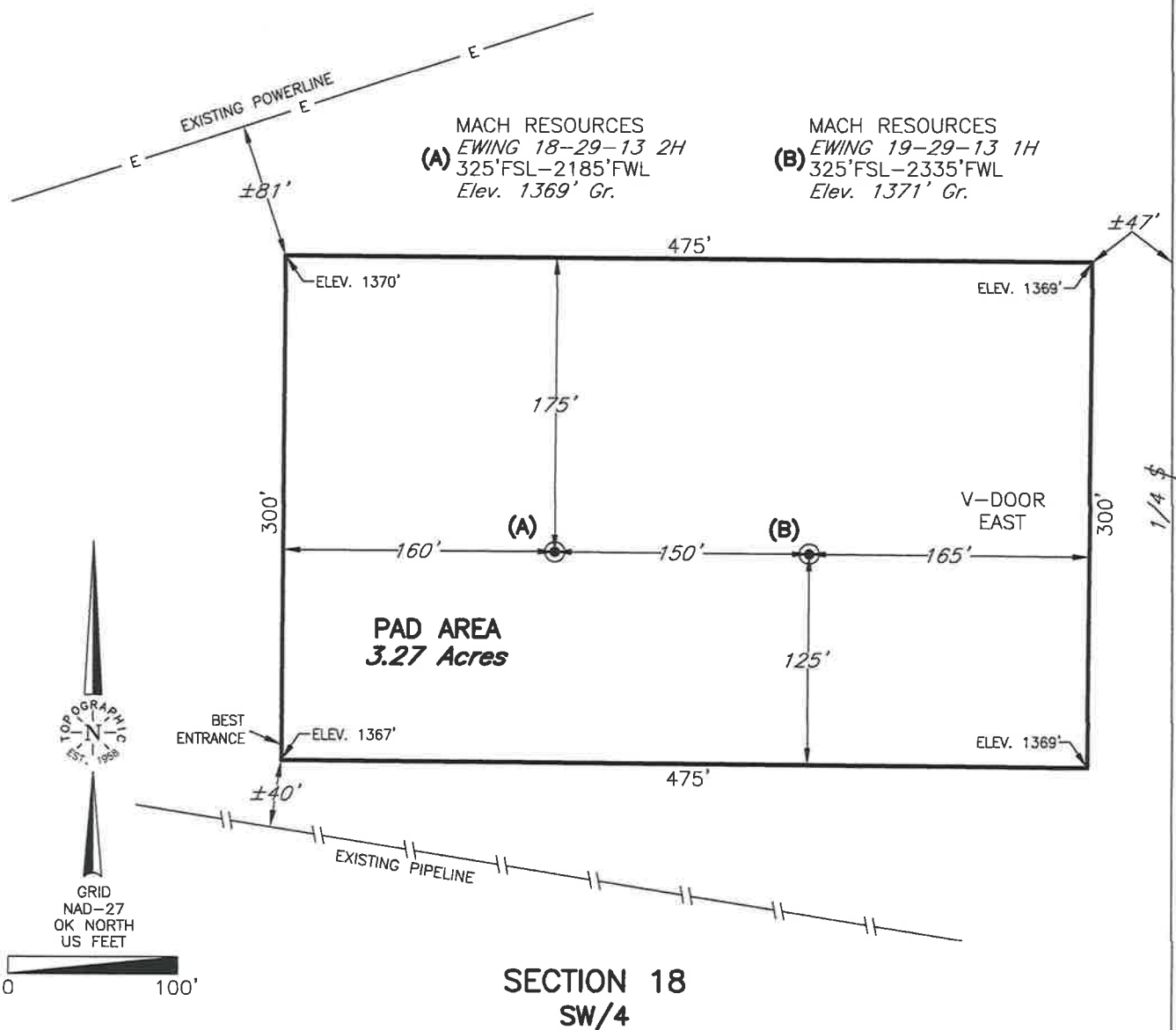
Exhibit "A"



VICINITY MAP
(Scale: 1" = 1000')

T 29 N - R 13 W
(INDIAN MERIDIAN)

PLAT SHOWING
PROPOSED PAD AREA IN THE
SW/4 OF SEC. 18, T29N-R13W
WOODS COUNTY, OKLAHOMA



SECTION 18
SW/4

NOTE:

The information shown herein is
for construction purposes ONLY.

				This plat was prepared exclusively for		SCALE: 1" = 100'
				MACH RESOURCES		DATE: 6-26-19
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		PROJECT NO.: 127621
				SURVEYING AND MAPPING BY		FILE NAME: L4000B.DWG
				TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA		DRAWING NO.: 113014-L4-000-B
				13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847		SHEET 1 OF 1
				Certificate of Authorization No. 1293 LS		
NO.	REVISION	DATE	BY			
SURV. BY:	DJ	6-21-19				
DRAWN BY:	AC					
APPROVED BY:	TH					