

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

API NUMBER: 151 24548

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 27N Rge: 13W County: WOODS
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 305 828

Lease Name: MILLER 4-27-13 Well No: 2H Well will be 305 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

TOM NIGHSWONGER
34509 CR 400
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5275	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 134572

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807603
201807602

Special Orders:

Total Depth: 10695

Ground Elevation: 1344

Surface Casing: 730

Depth to base of Treatable Water-Bearing FM: 680

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 HILL

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35295
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 27N Rge 13W County WOODS

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 4846

Radius of Turn: 575

Direction: 359

Total Length: 4945

Measured Total Depth: 10695

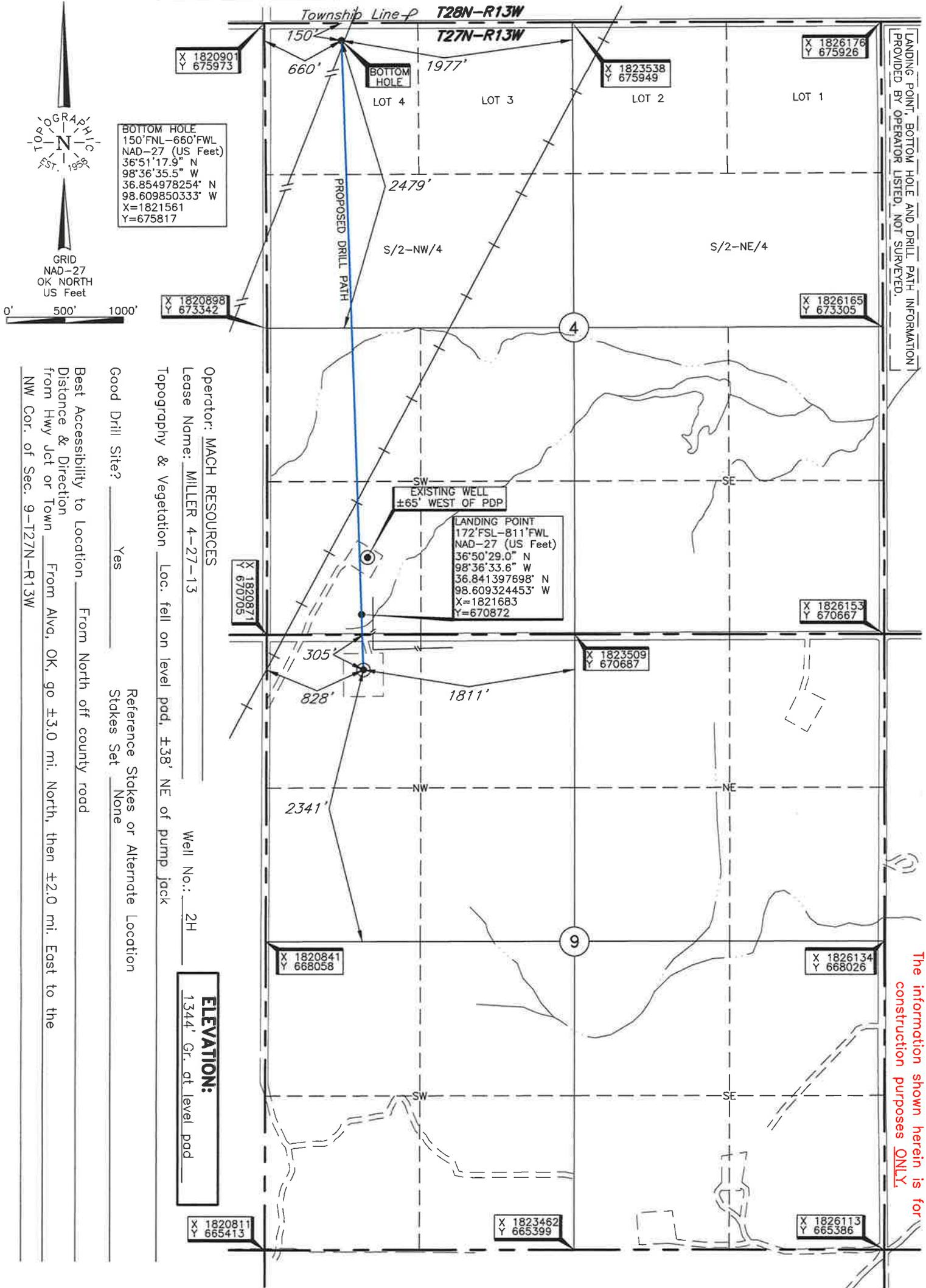
True Vertical Depth: 5353

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: 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
PENDING CD - 201807602	10/25/2018 - G58 - (I.O.) 4-27N-13W X134572 MSSLM 1 WELL NO OP. NAMED HEARING 10/30/2018
PENDING CD - 201807603	10/25/2018 - G58 - (E.O.) 4-27N-13W X134572 MSSLM X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 10/19/2018 (JACKSON)
SPACING - 134572	10/25/2018 - G58 - (640) 4-27N-13W EXT OTHERS EXT 4194/58325/58634/130449 MSSLM

305'FNL-828'FWL Section 9 Township 27N Range 13W I.M.



BOTTOM HOLE
 150'FNL-660'FWL
 NAD-27 (US Feet)
 36°51'17.9" N
 98°36'35.5" W
 36.854978254° N
 98.609850333° W
 X=1821561
 Y=675817

LANDING POINT
 172'FSL-811'FWL
 NAD-27 (US Feet)
 36°50'29.0" N
 98°36'33.6" W
 36.841397698° N
 98.609324453° W
 X=1821683
 Y=670872

Operator: MACH RESOURCES
 Lease Name: MILLER 4-27-13
 Topography & Vegetation: Loc. fell on level pad, ±38' NE of pump jack
 Well No.: 2H

ELEVATION:
 1344' Gr. at level pad

Good Drill Site? Yes No
 Reference Stakes or Alternate Location
 Stakes Set None Yes

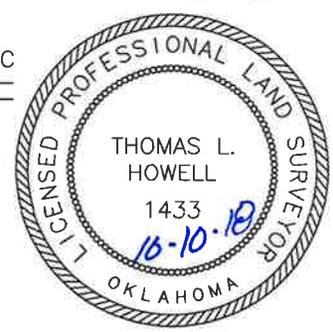
Best Accessibility to Location: From North off county road
 Distance & Direction: From Alva, OK, go ±3.0 mi. North, then ±2.0 mi. East to the NW Cor. of Sec. 9-T27N-R13W

Revision A Date of Drawing: Oct. 10, 2018
 Invoice # 303355 Date Staked: Sep. 25, 2018 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



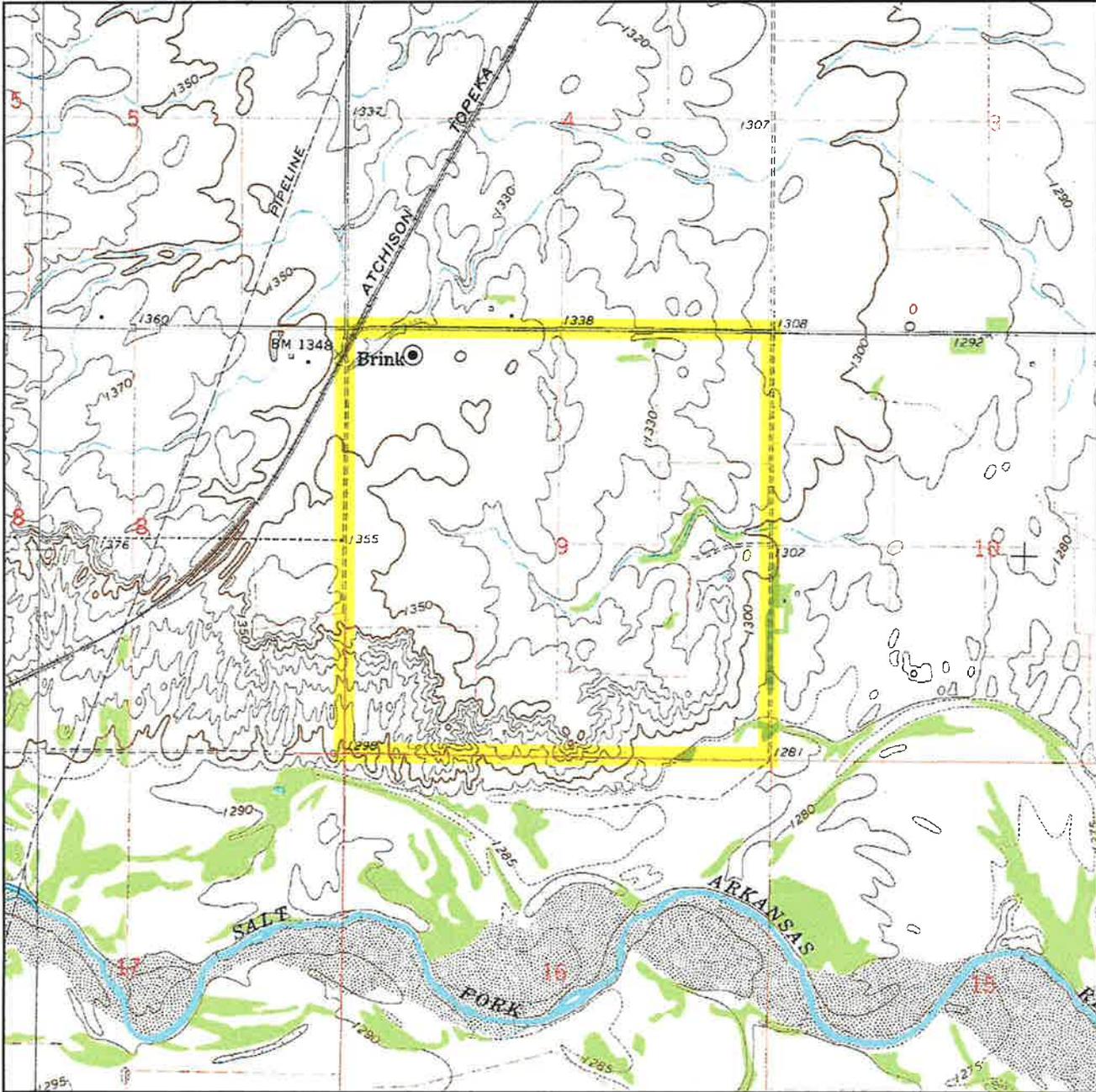
DATUM: NAD-27
 LAT: 36°50'24.3"N
 LONG: 98°36'33.4"W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1821695
 Y: 670395

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

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. 9 Twp. 27N Rng. 13W IM

County WOODS State OK

Operator MACH RESOURCES

Description 305' FNL-828' FWL

Lease MILLER 4-27-13 2H

Elevation 1344' Gr. at level pad

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.



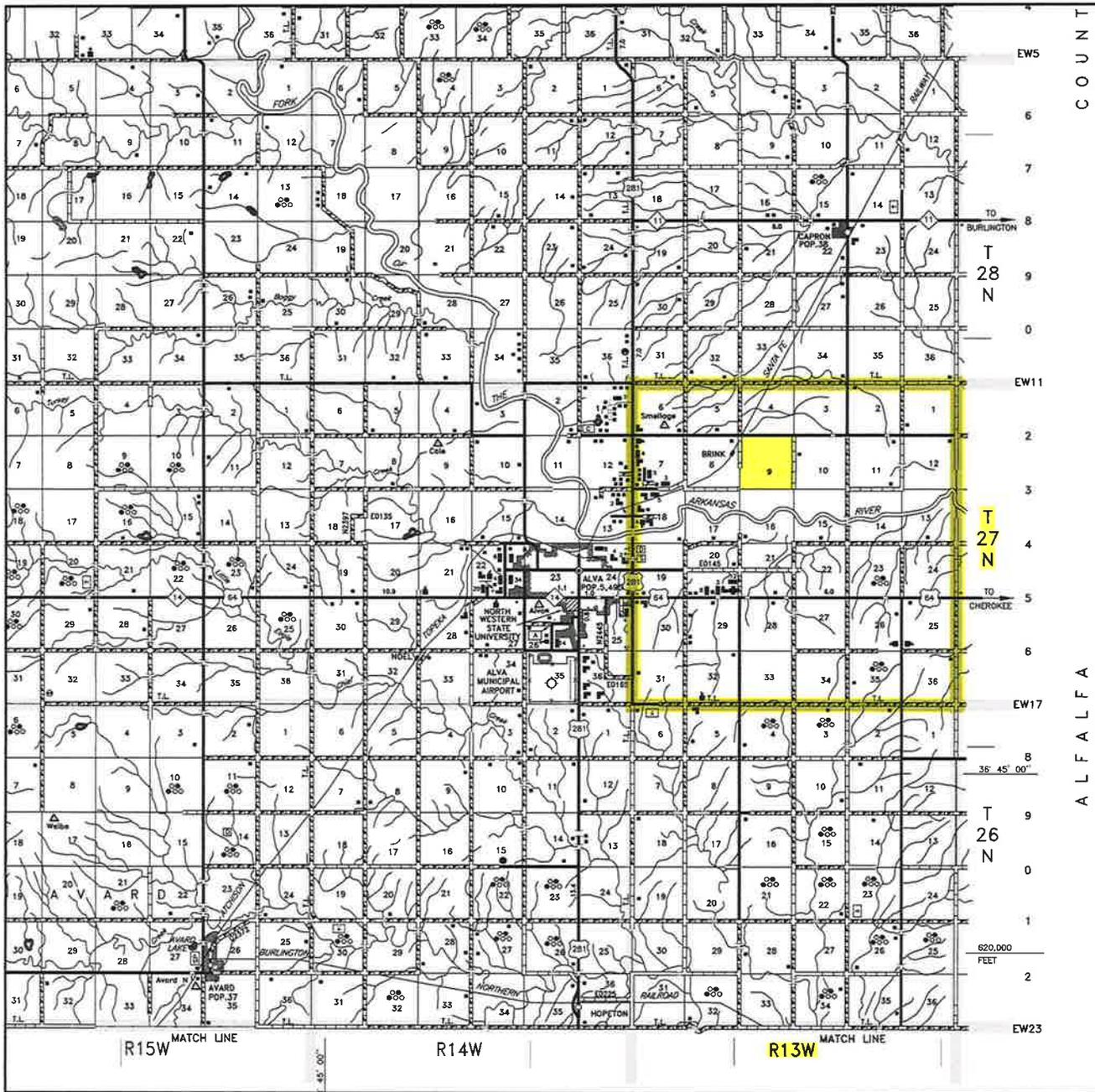
LAND SURVEYORS OF OKLAHOMA

Sep. 25, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 9 Twp. 27N Rng. 13W IM

County WOODS State OK

Operator MACH RESOURCES

