

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

API NUMBER: 151 24576

Approval Date: 09/11/2019

Expiration Date: 03/11/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 29N Rge: 17W

County: WOODS

SPOT LOCATION: ☐ NW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 339 1795

Lease Name: MACKEY LEE 33-29-17

Well No: 3H

Well will be 339 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

LEE MACKEY LLC  
PO BOX 852  
ALVA OK 73717

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5550	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 128698

Location Exception Orders: 700580

Increased Density Orders: 699131

Pending CD Numbers:

Special Orders:

Total Depth: 10602

Ground Elevation: 1864

**Surface Casing: 540**

Depth to base of Treatable Water-Bearing FM: 490

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: MARLOW

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36797  
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 33 Twp 29N Rge 17W County WOODS

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 4965

Radius of Turn: 590

Direction: 14

Total Length: 4710

Measured Total Depth: 10602

True Vertical Depth: 5555

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/15/2019 - 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)

INCREASED DENSITY - 699131

9/11/2019 - GC4 - 33-29N-17W  
X128698 MSSP  
1 WELL  
BCE-MACH LLC  
7-12-2019

LOCATION EXCEPTION - 700580

9/11/2019 - GC4 - (I.O.) 33-29N-17W  
X128698 MSSP  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL  
BCE-MACH LLC  
8/9/2019

SPACING - 128698

9/11/2019 - GC4 - (640) 33-29N-17W  
VAC OTHERS  
EST OTHERS  
EXT 64632/114205 MSSP  
EXT OTHERS

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

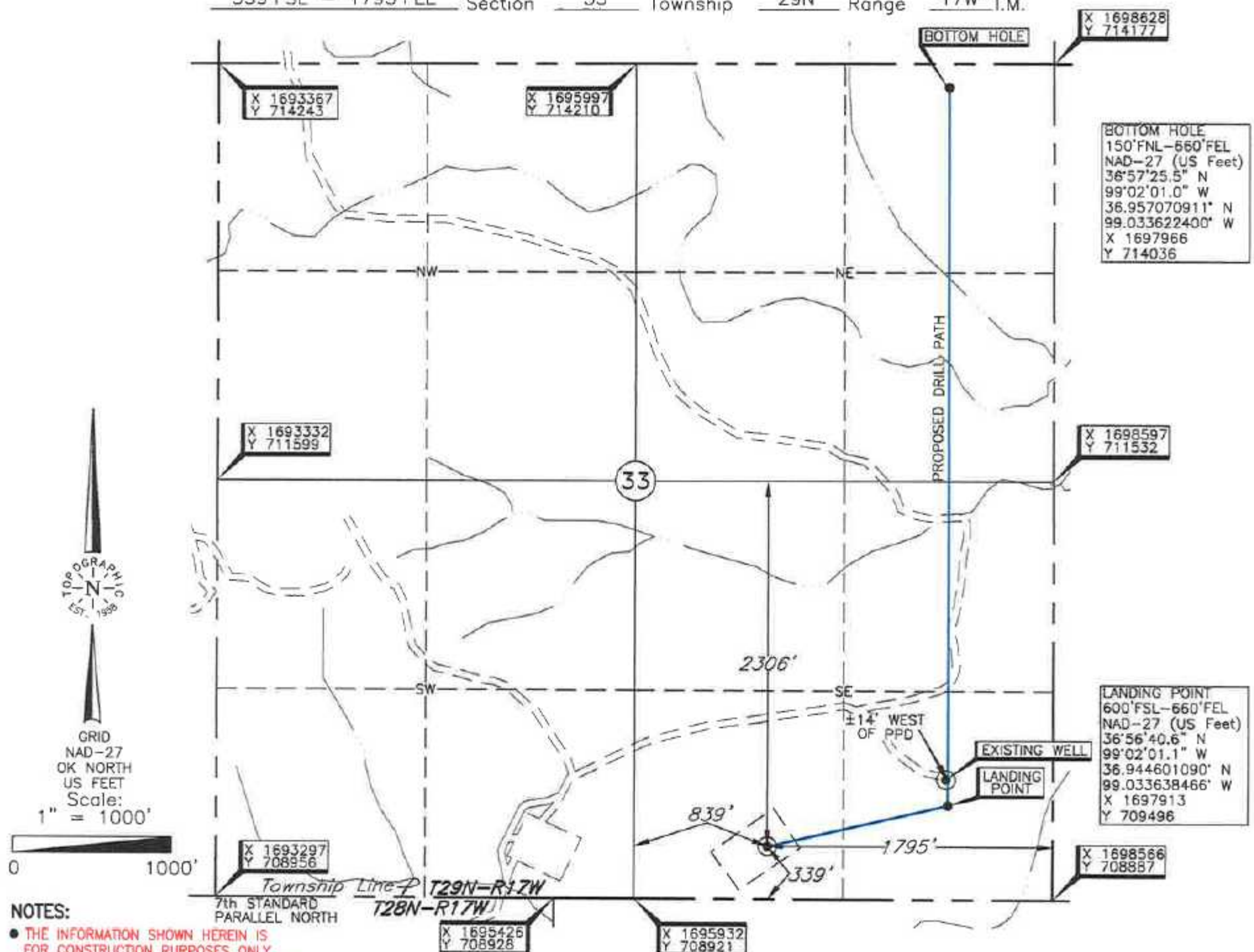
13800 Wireless Way, Okla. City, OK. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

WOODS

County, Oklahoma

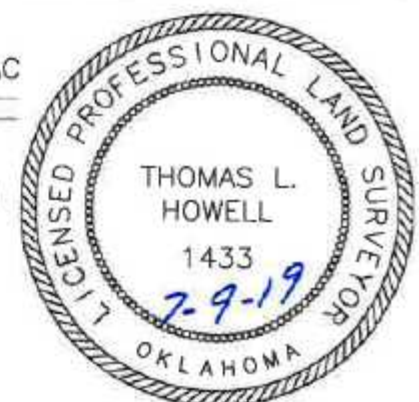
339'FSL - 1795'FEL Section 33 Township 29N Range 17W I.M.

Operator: MACH RESOURCESLease Name: MACKEY LEE 33-29-17Well No.: 3H**ELEVATION:**1864' Gr. at StakeTopography & Vegetation Loc. fell in rough sloped pastureGood Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set NoneBest Accessibility to Location From South or West off trail

Distance &amp; Direction

from Hwy Jct or Town From Camp Houston, OK, go ±4.0 mi. East, then ±9.25 mi. North,  
then ±0.75 mi. East on lease road to the SW Cor. of Sec. 33-T29N-R17WDate of Drawing: Jul. 09, 2019Invoice # 127369 Date Staked: Jun. 14, 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 hereinThomas L. Howell  
Oklahoma Lic. No. 1433

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

DATUM: NAD-27  
 LAT: 36°56'38.0"N  
 LONG: 99°02'15.1"W  
 LAT: 36.943890300° N  
 LONG: 99.037524096° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1696774  
 Y: 709249