

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

API NUMBER: 151 24579

Approval Date: 10/22/2019

Expiration Date: 04/22/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 27N Rge: 17W

County: WOODS

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 249 1009

Lease Name: MACK 15-27-17

Well No: 2H

Well will be 249 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	5720	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 697102

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904778  
201905090

Special Orders:

Total Depth: 10900

Ground Elevation: 1761

**Surface Casing: 790**

Depth to base of Treatable Water-Bearing FM: 720

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: 8000 Average: 5000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BLAINE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37007  
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 15 Twp 27N Rge 17W County WOODS

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5240

Radius of Turn: 532

Direction: 185

Total Length: 4825

Measured Total Depth: 10900

True Vertical Depth: 5755

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

10/18/2019 - 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)

PENDING CD - 201904778

10/18/2019 - GC2 - 15-27N-17W  
X697102 MSSP  
1 WELL  
NO OP. NAMED  
REC. 10-15-2019 (THOMAS)

PENDING CD - 201905090

10/18/2019 - GC2 - (E.O.) 15-27N-17W  
X697102 MSSP  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
NO OP. NAMED  
REC. 10-22-2019 (NORRIS)

SPACING - 697102

10/18/2019 - GC2 - (640)(HOR) 15-27N-17W  
EST MSSP  
COMPL. INT. (MSSP) NCT 660' FB

# 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

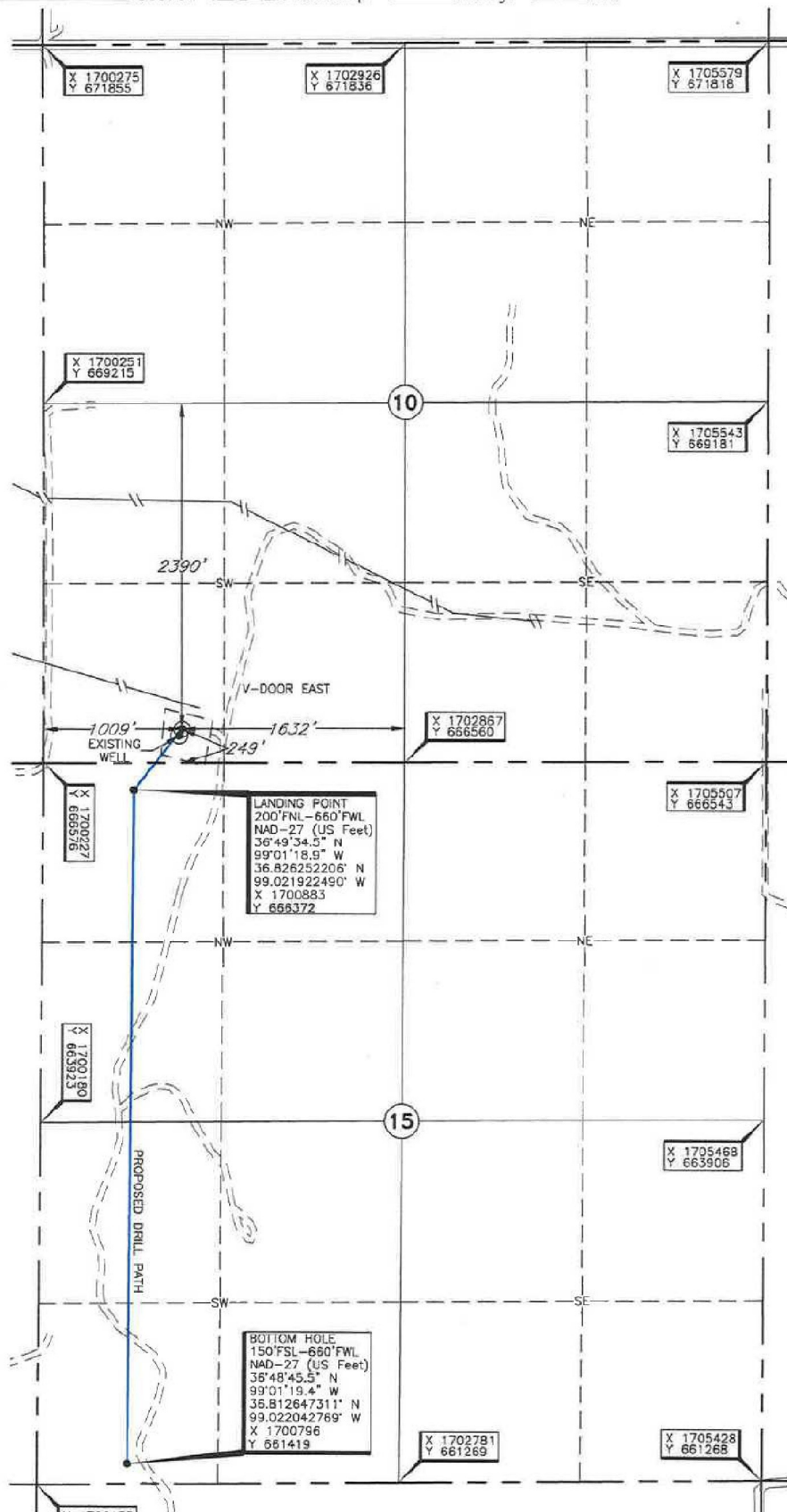
WOODS

County, Oklahoma

249' FSL - 1009' FWL Section 10 Township 27N Range 17W I.M.



**NOTES:**  
 • THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.  
 • LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.



Operator: BCE-MACH LLC  
 Lease Name: MACK 15-27-17  
 Topography & Vegetation Loc. fell on level pod. ±52' NE of existing well  
 Good Drill Siter? Yes  
 Reference Stakes or Alternate Location Stakes Set None  
 Best Accessibility to Location From South off lease road  
 Distance & Direction From Camp Houston, OK, go ±5.0 mi. East, then ±1.25 mi. North to the SW Cor. of Sec. 10-T27N-R17W

**ELEVATION:**  
 1761' Gr. at level pod

**LANDING POINT**  
 200' FSL - 660' FWL  
 NAD-27 (US Feet)  
 36°49'34.5" N  
 99°01'18.9" W  
 36.826252206' N  
 99.021922490' W  
 X 1700883  
 Y 666372

**BOTTOM HOLE**  
 150' FSL - 660' FWL  
 NAD-27 (US Feet)  
 36°48'45.5" N  
 99°01'19.4" W  
 36.812647311' N  
 99.022042769' W  
 X 1700796  
 Y 661419

DATUM: NAD-27  
 LAT: 36°49'39.0"N  
 LONG: 99°01'14.6"W  
 LAT: 36.827489520° N  
 LONG: 99.020726364° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1701238  
 Y: 666819

Date of Drawing: Oct. 16, 2019  
 Project # 130860 Date Staked: Oct. 15, 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

