

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

API NUMBER: 151 24570

Approval Date: 06/24/2019

Expiration Date: 12/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 340 550

Lease Name: MACKEY FAMILY 15-27-17

Well No: 1H

Well will be 340 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

MACKEY FAMILY 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: 697876

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10800

Ground Elevation: 1733

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 750

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 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: 19-36615

H. CLOSED SYSTEM = STEEL PITS (REQUIRED - RED HORSE 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 15 Twp 27N Rge 17W County WOODS

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5161

Radius of Turn: 547

Direction: 182

Total Length: 4780

Measured Total Depth: 10800

True Vertical Depth: 5720

End Point Location from Lease,

Unit, or Property Line: 150

Notes:

Category

Description

HYDRAULIC FRACTURING

6/13/2019 - 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: 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 - 697876

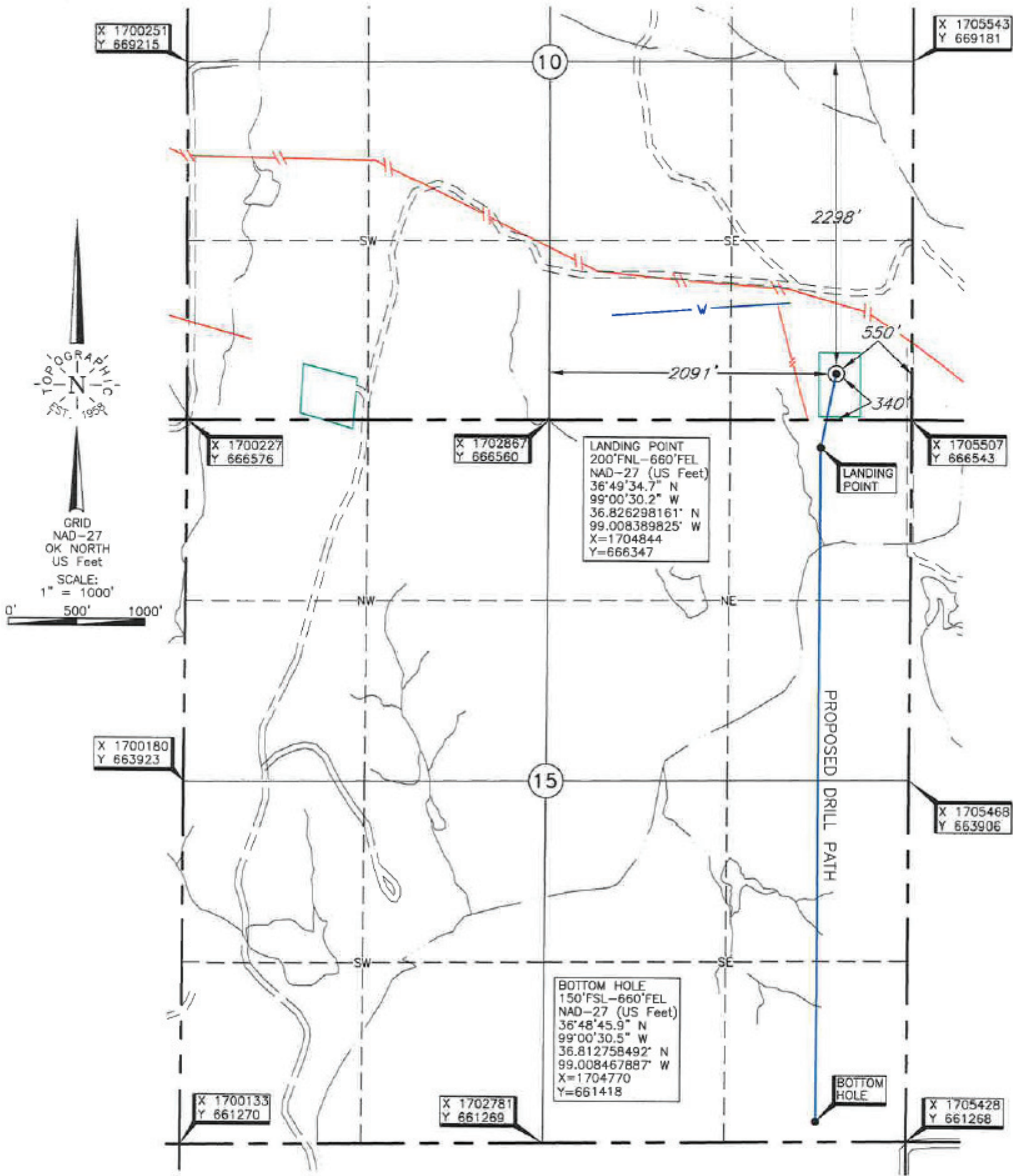
6/24/2019 - GB1 - (I.O.) 15-27N-17W
X697102 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL
BCE-MACH LLC
6/17/2019

SPACING - 697102

6/24/2019 - GB1 - (640)(HOR) 15-27N-17W
EST MSSP
COMPL. INT. NLT 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
340'FSL-550'FEL Section 10 Township 27N Range 17W I.M.



THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY.

LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: MACH RESOURCES

Lease Name: MACKEY FAMILY 15-27-17

Well No.: 1H

ELEVATION:

1733' Gr. at Stake

Topography & Vegetation Location fell in sloping rocky pasture; 288' NE of NW-SE pipeline

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction

from Hwy Jct or Town From Camp Houston, Okla, go ±4 miles East on US. Hwy. 64, then ±2.25 miles North, then 2 miles East to the NE Cor. Sec. 10-T27N-R17W, then ±1 mile South through Sec. 10 to location in SE/4 of Sec. 10-T27N-R17W

Date of Drawing: Apr. 26, 2019

Project # 125950

Date Staked: Apr. 25, 2019

LC

DATUM: NAD-27
LAT: 36°49'40.0"N
LONG: 99°00'28.8"W
LAT: 36.827782721" N
LONG: 99.008006910" W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1704962
Y: 666887

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

