

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

API NUMBER: 003 23367

Approval Date: 04/02/2019

Expiration Date: 10/02/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 27N Rge: 11W County: ALFALFA

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 215 2470

Lease Name: ALLISON 36-27-11

Well No: 3H

Well will be 215 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

TATE J. ALLISON AND NICOLE ALLISON  
62222 HARPER RD  
CHEROKEE OK 73728

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5281	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 606500

Location Exception Orders: 692982

Increased Density Orders: 687839

Pending CD Numbers:

Special Orders:

Total Depth: 10319

Ground Elevation: 1163

**Surface Casing: 470**

Depth to base of Treatable Water-Bearing FM: 420

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36271  
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 36 Twp 27N Rge 11W County ALFALFA

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5089

Radius of Turn: 573

Direction: 185

Total Length: 4330

Measured Total Depth: 10319

True Vertical Depth: 5400

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

3/22/2019 - 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 - 687839

4/2/2019 - G58 - 36-27N-11W  
X606500 MSSP  
2 WELLS  
BCE-MACH LLC  
12/6/2018

LOCATION EXCEPTION - 692982

4/2/2019 - G58 - (I.O.) 36-27N-11W  
X606500 MSSP  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 1320' FWL  
BCE-MACH LLC  
3/15/2019

SPACING - 606500

4/2/2019 - G58 - (640) 36-27N-11W  
VAC 386572 MSSCT, MSSLM  
EST MSSP, OTHER

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.

003 23367 ALLISON 36-27-11 3H

# 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

003-23367

ALFALFA

County, Oklahoma

215'FNL - 2470'FWL Section 36 Township 27N Range 11W I.M.

X 1899898  
Y 649114

SURFACE HOLE  
215'FNL-2470'FWL  
NAD-83  
36°46'55.4" N  
98°20'01.4" W

LANDING POINT  
821'FNL-1980'FWL  
NAD-27 (US Feet)  
36°46'49.4" N  
98°20'06.2" W  
36.780383932' N  
98.335054517' W  
X 1901871  
Y 648267

BOTTOM HOLE  
150'FSL-1980'FWL  
NAD-27 (US Feet)  
36°46'06.6" N  
98°20'06.5" W  
36.768488435' N  
98.335142813' W  
X 1901830  
Y 643937

X 1899874  
Y 646458

X 1899848  
Y 643802

BOTTOM HOLE

X 1902495  
Y 643781

X 1905157  
Y 646404

X 1905141  
Y 643761

PROPOSED DRILL PATH

36

T27N-R11W  
T27N-R10W  
Range Line-P

Township Line-P T27N-R11W  
T26N-R11W

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

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY



GRID  
NAD-27  
OK NORTH  
US FEET  
Scale:  
1" = 1000'



Operator: MACH RESOURCES

Lease Name: ALLISON 36-27-11

Well No.: 3H

## ELEVATION:

1163' Gr. at Stake NAVD88

1162' Gr. at Stake NGVD29

Topography & Vegetation Loc. fell in level turnip field, ±150' South of E-W saltwater disposal pipeline  
disposal 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 Cherokee, OK, go ±2.0 mi. North, then ±1.0 mi. East to  
the NW Cor. of Sec. 36-T27N-R11W

Date of Drawing: Feb. 01, 2019

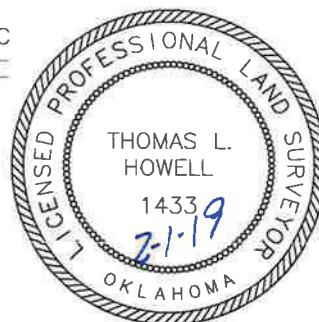
Project # 123263 Date Staked: Jan. 31, 2019

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

Oklahoma Lic. No. 1433



DATUM: NAD-27  
LAT: 36°46'55.3"N  
LONG: 98°20'00.1"W  
LAT: 36.782036605° N  
LONG: 98.333369752° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1902366  
Y: 648867

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