

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

API NUMBER: 003 23338

Approval Date: 09/12/2018

Expiration Date: 03/12/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 27N Rge: 10W County: ALFALFA
SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☒ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 175 2365

Lease Name: LODGE 29-27-10 Well No: 2H Well will be 175 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

LINDA M. LODGE
APARTMENT 2
1429 HAVENHURST DR.
LOS ANGELES CA 90046

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 624577

Location Exception Orders: 679264

Increased Density Orders: 679263

Pending CD Numbers:

Special Orders:

Total Depth: 10550

Ground Elevation: 1153

Surface Casing: 340

Depth to base of Treatable Water-Bearing FM: 290

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34864
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 29 Twp 27N Rge 10W County ALFALFA

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 5462

Radius of Turn: 382

Direction: 178

Total Length: 4488

Measured Total Depth: 10550

True Vertical Depth: 5700

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

Notes:

Category

Description

HYDRAULIC FRACTURING

9/10/2018 - 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; 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

INCREASED DENSITY - 679263

9/10/2018 - G57 - 29-27N-10W
X624577 MSSP
1 WELL
BCE-MACH, LLC
6-14-2018

LOCATION EXCEPTION - 679264

9/10/2018 - G57 - (I.O.) 29-27N-10W
X624577 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FEL
BCE_MACH, LLC.
6-14-2018

SPACING - 624577

9/10/2018 - G57 - (640) 29-27N-10W
EXT 615851 MSSP

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

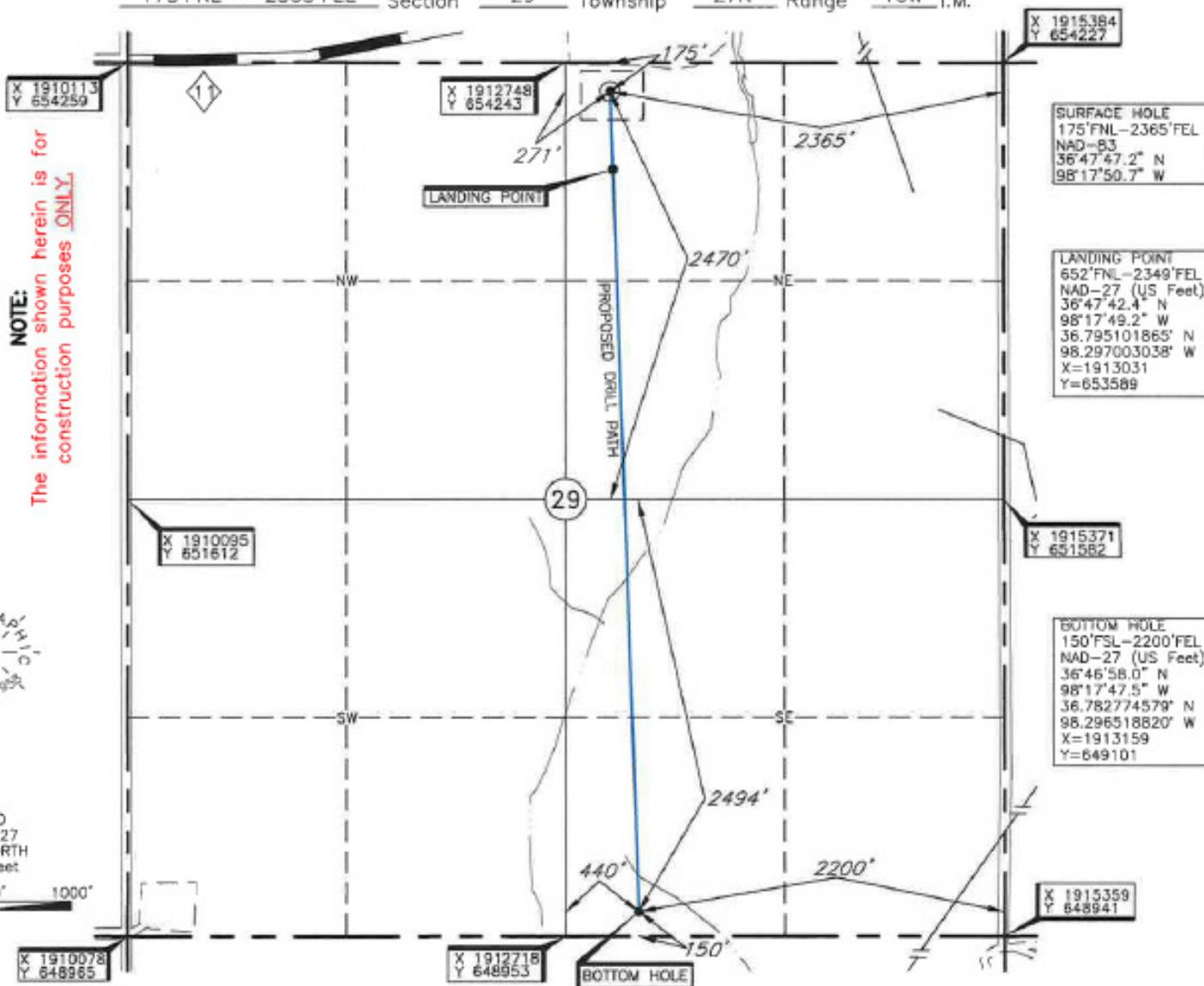
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 • OUT OF STATE (800) 854-3219
Certificate of Authorization No. 1293 LS

API:003 23338

ALFALFA

County, Oklahoma

175'FNL - 2365'FEL Section 29 Township 27N Range 10W I.M.



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

SURFACE HOLE
175'FNL-2365'FEL
NAD-83
36°47'47.2" N
98°17'50.7" W

LANDING POINT
652'FNL-2349'FEL
NAD-27 (US Feet)
36°47'42.4" N
98°17'49.2" W
36.795101865° N
98.297003038° W
X=1913031
Y=653589

BOTTOM HOLE
150'FSL-2200'FEL
NAD-27 (US Feet)
36°46'58.0" N
98°17'47.5" W
36.782774579° N
98.296518820° W
X=1913159
Y=649101

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

Operator: MACH RESOURCES

Lease Name: LODGE 29-27-10

Well No.: 2H

ELEVATION:

115.3' Gr. at Stake NAVD88
115.3' Gr. at Stake NGVD29

Topography & Vegetation Loc. fell in level grass pasture

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off St. Hwy. 11

Distance & Direction

from Hwy Jct or Town From Cherokee, OK, go ±3.0 mi. North, then ±4.0 mi. East,
then ±0.25 mi. South to the NE Cor. of Sec. 29-T27N-R10W

Date of Drawing: May 18, 2018

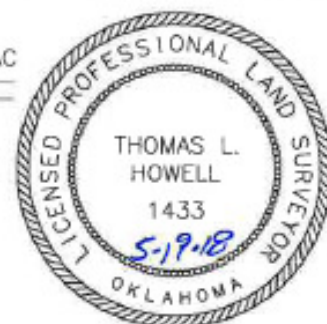
Invoice # 291977 Date Staked: May. 16, 2018

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°47'47.1"N
LONG: 98°17'49.4"W
LAT: 36.796411363° N
LONG: 98.297054484° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1913018
Y: 654066

This information was
gathered with a GPS receiver
with ±1 foot horiz./vert. accuracy