

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

API NUMBER: 003 23351

Approval Date: 12/10/2018
Expiration Date: 06/10/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 26N Rge: 11W County: ALFALFA
SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 220 1395

Lease Name: ROACH 29-26-11 Well No: 3H Well will be 220 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

CHAD AND JENNIFER C. ROACH
23548 CR 600
CHEROKEE OK 73728

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5581	6
2			7
3			8
4			9
5			10

Spacing Orders: 600013 Location Exception Orders: 687841 Increased Density Orders: 687840

Pending CD Numbers:

Special Orders:

Total Depth: 10574 Ground Elevation: 1244 **Surface Casing: 400** Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35864
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 26N Rge 11W County ALFALFA

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5144

Radius of Turn: 713

Direction: 353

Total Length: 4310

Measured Total Depth: 10574

True Vertical Depth: 5685

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

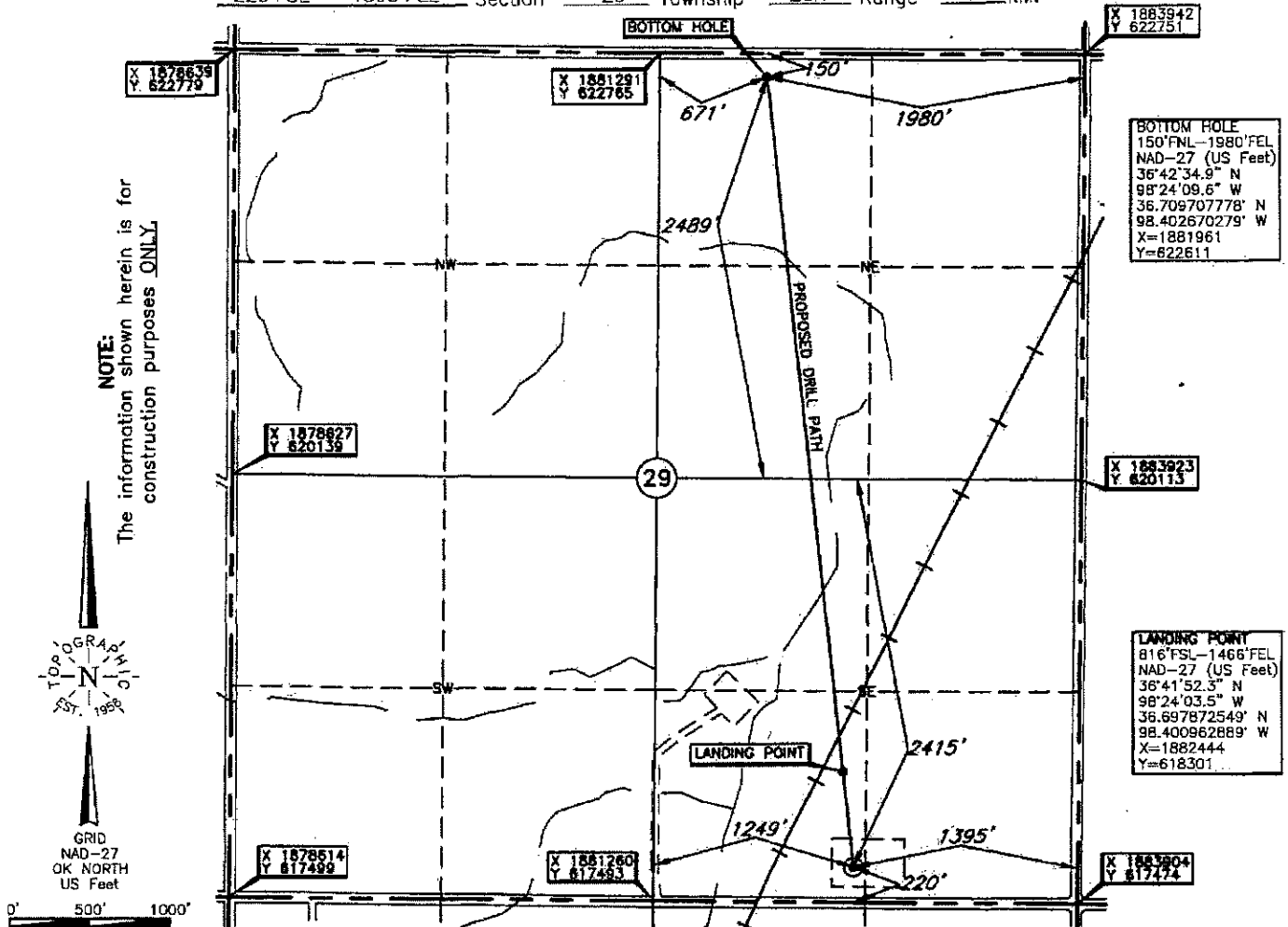
Notes:

Category	Description
HYDRAULIC FRACTURING	<p>11/27/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
INCREASED DENSITY - 687840	<p>12/7/2018 - G58 - 29-26N-11W X600013 MSSP 2 WELLS BCE-MACH, LLC 12/6/2018</p>
LOCATION EXCEPTION - 687841	<p>12/7/2018 - G58 - (I.O.) 29-26N-11W X600013 MSSP COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FEL BCE-MACH, LLC 12/6/2018</p>
SPACING - 600013	<p>12/7/2018 - G58 - (640) 29-26N-11W VAC 153997 N2 MSCT, MSSLM, OTHER VAC 492165 S2 MSCT, MSSLM, OTHERS EXT 594481 MSSP, OTHERS</p>

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

ALFALFA County, Oklahoma
 220'FSL - 1395'FEL Section 29 Township 26N Range 11W.I.M.



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

BOTTOM HOLE
 150'FNL-1980'FEL
 NAD-27 (US Feet)
 36°42'34.9" N
 98°24'09.6" W
 36.709707778" N
 98.402670279" W
 X=1881961
 Y=622611

LANDING POINT
 816'FSL-1466'FEL
 NAD-27 (US Feet)
 36°41'52.3" N
 98°24'03.5" W
 36.697872549" N
 98.400962689" W
 X=1882444
 Y=618301

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

Operator: MACH RESOURCES

Lease Name: ROACH 29-26-11

Well No.: 3H

ELEVATION:
1244' Gr. of Stake

Topography & Vegetation Loc. fell in level hay field

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

Best Accessibility to Location From South off county road
 Distance & Direction
from Hwy Jct or Town From Cherokee, OK. go ±4.0 mi. South on US Hwy. 64. then ±2.0 mi. West
to SE Cor. of Sec. 29-T26N-R11W

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
 DATUM: NAD-27
 LAT: 36°41'46.4"N
 LONG: 98°24'02.6"W
 LAT: 36.696235510°N
 LONG: 98.400726766°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: X 1882510
 Y: Y 617704

Date of Drawing: Nov. 07, 2018
 Invoice # 306008 Date Staked: Nov. 01, 2018

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

