

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

API NUMBER: 003 23395

Approval Date: 01/14/2020
Expiration Date: 07/14/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 25N Rge: 11W County: ALFALFA
SPOT LOCATION: NE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 254 2011

Lease Name: BUCK TRUST 3-25-11 Well No: 2H Well will be 254 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

JAMES M. BUCK
15785 CR 610
CARMEN OK 73726-

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5590	6
2			7
3			8
4			9
5			10

Spacing Orders: 621136 Location Exception Orders: 698640 Increased Density Orders: 698691

Pending CD Numbers: Special Orders:

Total Depth: 11000 Ground Elevation: 1214 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

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 BED AQUIFER

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36801
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 03 Twp 25N 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: 5234

Radius of Turn: 520

Direction: 2

Total Length: 4949

Measured Total Depth: 11000

True Vertical Depth: 5763

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/10/2020 - 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 - 698691

1/14/2020 - G56 - 3-25N-11W
X621136 MSSP
1 WELL
BCE-MACH LLC
7/2/2019

LOCATION EXCEPTION - 698640

1/14/2020 - G56 - (I.O.) 3-25N-11W
X621136 MSSP
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL
BCE-MACH LLC
7/1/2019

SPACING - 621136

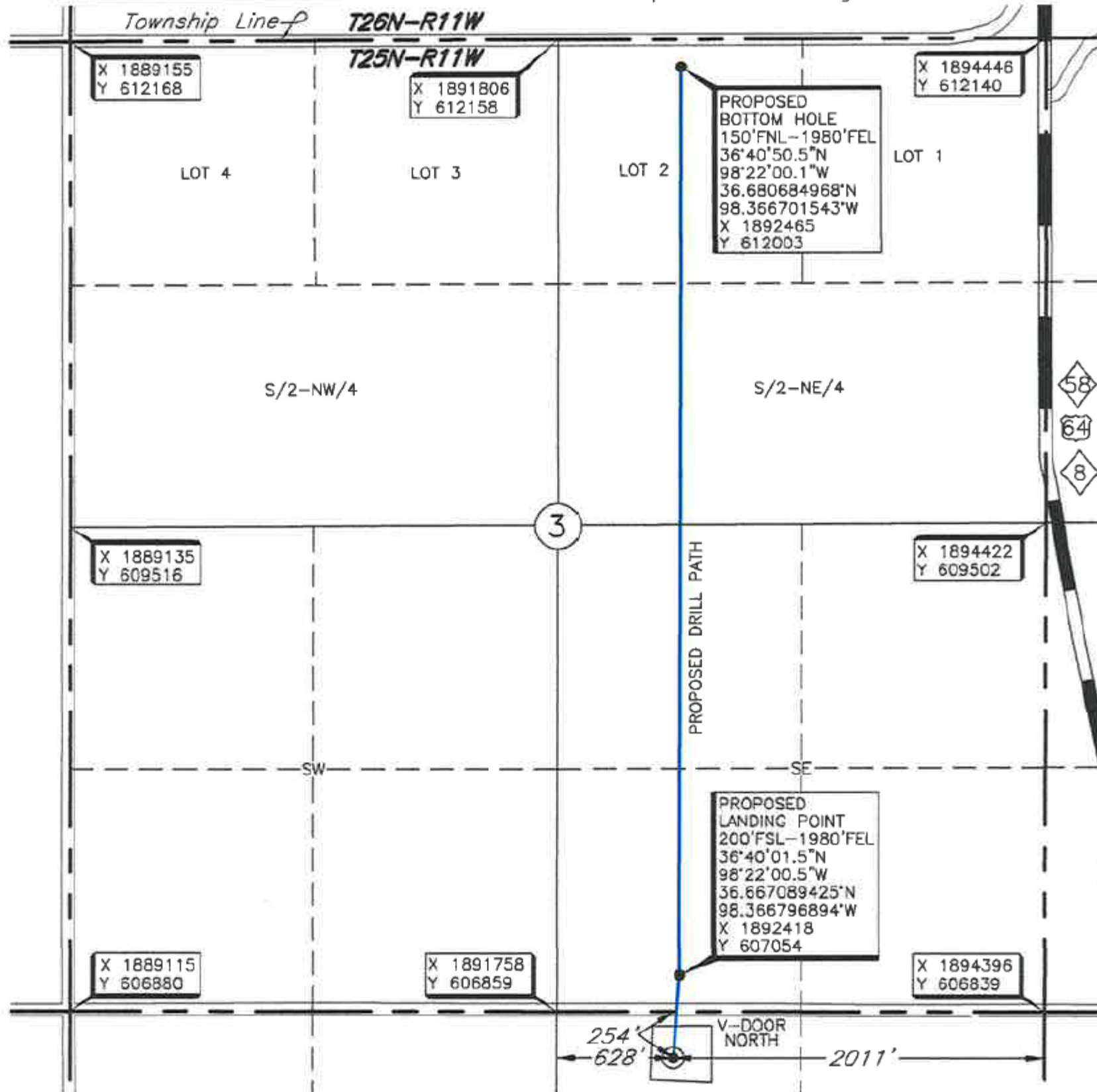
1/14/2020 - G56 - (640) 3-25N-11W
VAC 131718 MSSCT, MSSLM, OTHERS
EXT 616930 MSSP, OTHERS

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

ALFALFA County, Oklahoma

254'FNL - 2011'FEL Section 10 Township 25N Range 11W I.M.



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

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: BCE-MACH LLC
Lease Name: BUCK TRUST 3-25-11

Well No.: 2H
ELEVATION:
1214' Gr. on Level Pad

Topography & Vegetation Location fell on Level Pad, 32' NW of existing well.

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set No

Best Accessibility to Location From North off County road.

Distance & Direction from Hwy Jct or Town From Cherokee, Oklahoma, go South ±6.0 miles, then West ±0.5 miles to the Northeast corner of Section 10, T25N-R11W.

DATUM: NAD-27
LAT: 36°39'57.0"N
LONG: 98°22'00.9"W
LAT: 36.665842297°N
LONG: 98.366910664°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK-NORTH
X: 1892383
Y: 606600

Project # 130414 Date of Drawing: Oct. 2, 2019
Date Staked: Sept. 30, 2019 KH

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 Reg. No. 1433



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