

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

API NUMBER: 003 23382

Approval Date: 08/01/2019

Expiration Date: 02/01/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 230 1475

Lease Name: NEFF 24-25-11

Well No: 1H

Well will be 230 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

ROBERT H. NEFF AND BARBARA N. ENGBRETSSEN
P.O. BOX 423
HARRISON NE 69346

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5778	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 699864

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903180

Special Orders:

Total Depth: 10800

Ground Elevation: 1280

Surface Casing: 460

Depth to base of Treatable Water-Bearing FM: 410

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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36798

H. CLOSED SYSTEM = STEEL PITS (REQUIRED - EAST CLAY 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 24 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: 5456

Radius of Turn: 518

Direction: 355

Total Length: 4531

Measured Total Depth: 10800

True Vertical Depth: 6010

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/23/2019 - 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; 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

PENDING CD - 201903180

7/31/2019 - G56 - (I.O.) 24-25N-11W
X201903179 MSSP
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 660' FEL
NO OP NAMED
REC 7/8/2019 (THOMAS)

SPACING - 699864

7/31/2019 - G56 - (640)(HOR) 24-25N-11W
VAC 105169 MSSCT, MSSLM
EXT 692749 MSSP
COMPL INT NCT 660' FB

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003 23382 NEFF 24-25-11 1H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

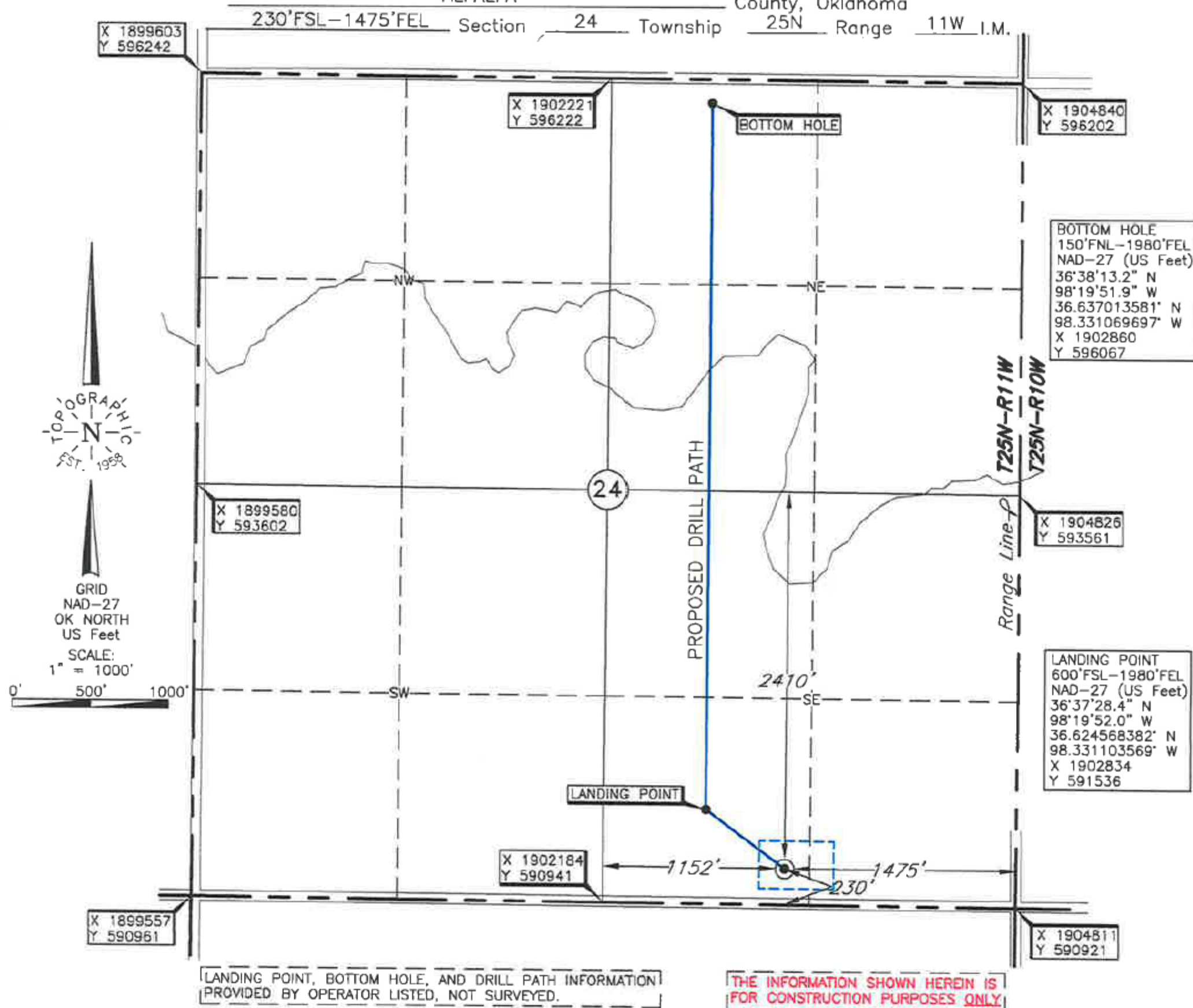
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

230'FSL-1475'FEL Section 24 Township 25N Range 11W I.M.

Operator: MACH RESOURCESLease Name: NEFF 24-25-11Well No.: 1H**ELEVATION:**1280' Gr. at StakeTopography & Vegetation Loc. fell in terraced grass pastureGood Drill Site? YesReference Stakes or Alternate Location
Stakes Set NoneBest Accessibility to Location From South off county road.

Distance & Direction

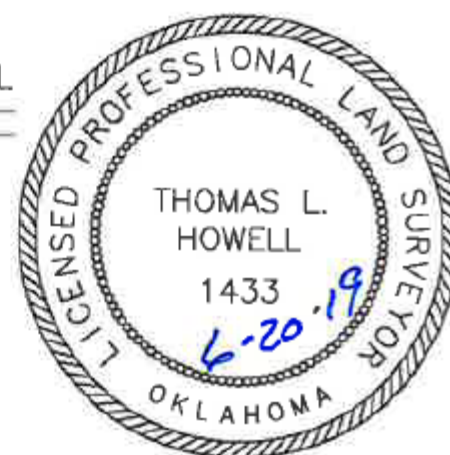
from Hwy Jct or Town From Cherokee, OK, go South ±6 miles, then go East ±2 miles, then go South ±3 miles to the SE Cor. of Sec. 24-T25N-R11W.Date of Drawing: June 18, 2019Project # 127144A Date Staked: June 12, 2019

AL

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



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

DATUM: NAD-27
LAT: 36°37'24.8" N
LONG: 98°19'45.8" W
LAT: 36.623546388' N
LONG: 98.329385352' W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1903337
Y: 591162