

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

API NUMBER: 003 23380

Approval Date: 07/12/2019

Expiration Date: 01/12/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 26N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 175 1050

Lease Name: HERREN 35-26-11

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

ANDREA L. (HERREN) HORN
211 N. WILLOW TERRACE
MUSTANG OK 37834-

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

| Name | Depth | Name | Depth |
|------|---------------|------|-------|
| 1 | MISSISSIPPIAN | 5704 | 6 |
| 2 | | | 7 |
| 3 | | | 8 |
| 4 | | | 9 |
| 5 | | | 10 |

Spacing Orders: 594545

Location Exception Orders: 696628

Increased Density Orders: 696959

Pending CD Numbers:

Special Orders:

Total Depth: 10509

Ground Elevation: 1206

Surface Casing: 520

Depth to base of Treatable Water-Bearing FM: 470

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: 18-35128
H. CLOSED SYSTEM = STEEL PITS (REQUIRED - WEST 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 35 Twp 26N Rge 11W County ALFALFA

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5066

Radius of Turn: 607

Direction: 356

Total Length: 4489

Measured Total Depth: 10509

True Vertical Depth: 5704

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/8/2019 - 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

INCREASED DENSITY - 696959

7/12/2019 - G56 - 35-26N-11W
X594545 MSSP
2 WELLS
BCE-MACH LLC
5/31/2019

LOCATION EXCEPTION - 696628

7/12/2019 - G56 - (I.O.) 35-26N-11W
X594545 MSSP
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 600' FWL
BCE-MACH LLC
5/24/2019

SPACING - 594545

7/12/2019 - G56 - (640) 35-26N-11W
VAC 158771 MSSCT, OTHERS
VAC 52810 MSSLM
EST MSSP, OTHERS

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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 23380 HERREN 35-26-11 2H

003-23380

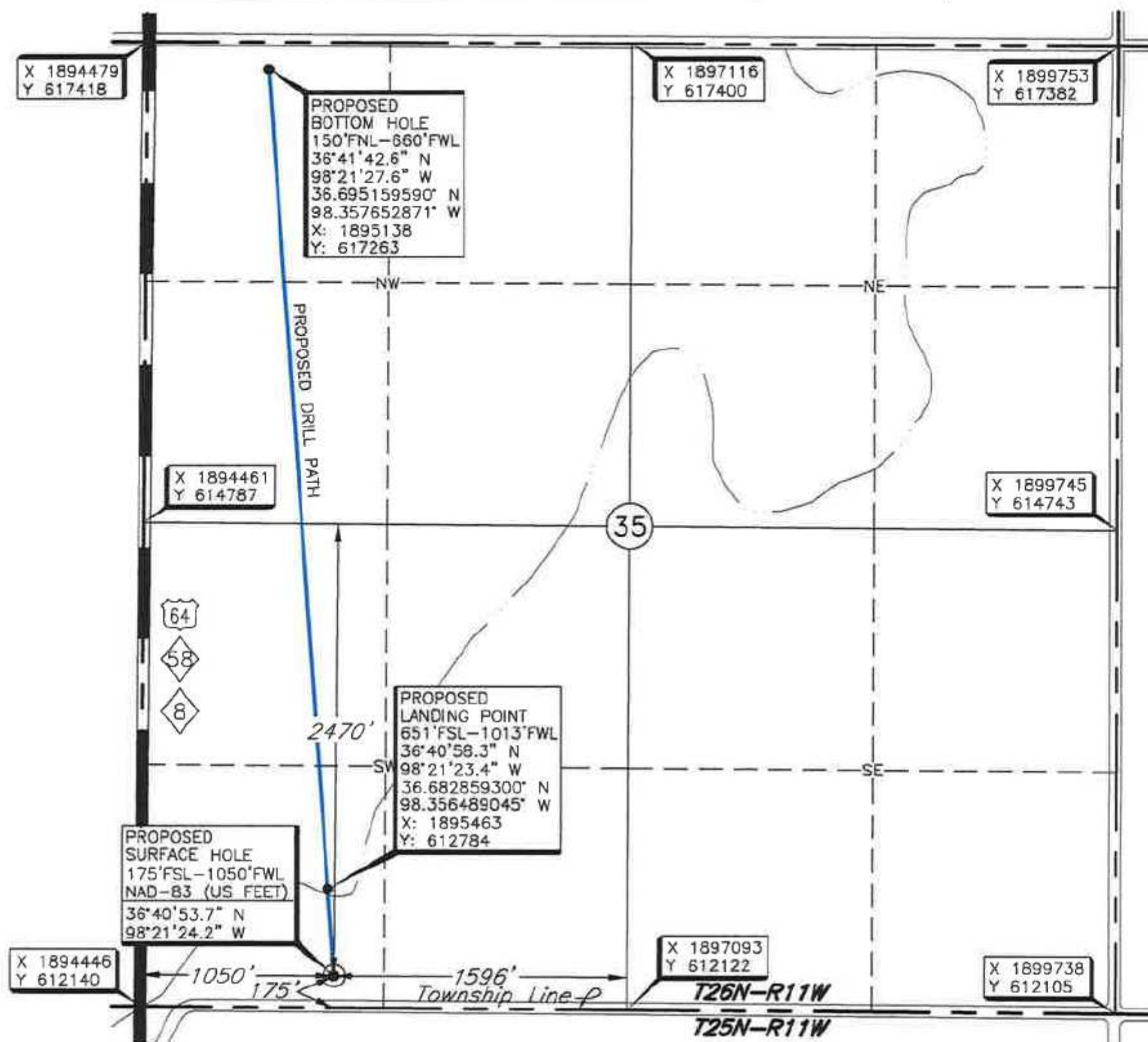
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

175'FSL-1050'FWL Section 35 Township 26N 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: MACH RESOURCES
Lease Name: HERREN 35-26-11

Well No.: 2H

ELEVATION:

1206' Gr. at Stake (NAVD 88)
1205' Gr. at Stake (NGVD 29)

Topography & Vegetation Location fell in grass pasture

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, Oklahoma, go ± 5 miles South on US Hwy 64/St. Hwy 8/St. Hwy 58 to the Southwest Corner of Section 35, T26N-R11W.

DATUM: NAD-27
LAT: 36°40'53.6" N
LONG: 98°21'22.9" W
LAT: 36.681552884° N
LONG: 98.356365456° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1895497
Y: 612308

Date of Drawing: June 11, 2018
Invoice # 293508 Date Staked: June 7, 2018 NB

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

