

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

API NUMBER: 151 24550 A

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

Horizontal Hole Oil & Gas

Amend reason: UPDATED SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 27N Rge: 15W

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 2085

Lease Name: O NEIL 4-27-15

Well No: 2H

Well will be 200 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

O NEIL LAND INC
30879 COUNTY ROAD 340
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5354	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 591814

Location Exception Orders: 687221

Increased Density Orders: 687220

Pending CD Numbers:

Special Orders:

Total Depth: 10362

Ground Elevation: 1530

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 590

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35474
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - TURKEY 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 04 Twp 27N Rge 15W County WOODS

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 4914

Radius of Turn: 648

Direction: 360

Total Length: 4430

Measured Total Depth: 10362

True Vertical Depth: 5455

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/2/2018 - 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 - 687220

12/6/2018 - G58 - 4-27N-15W
X591814 MSSP
1 WELL
BCE-MACH LLC
11/27/2018

LOCATION EXCEPTION - 687221

12/6/2018 - G58 - (I.O.) 4-27N-15W
X591814 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FWL
BCE-MACH LLC
11/27/2018

SPACING - 591814

12/6/2018 - G58 - (640) 4-27N-15W
VAC 66880 MSSLM
EST MSSP, OTHER

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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.

151 24550 O NEIL 4-27-15 2H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

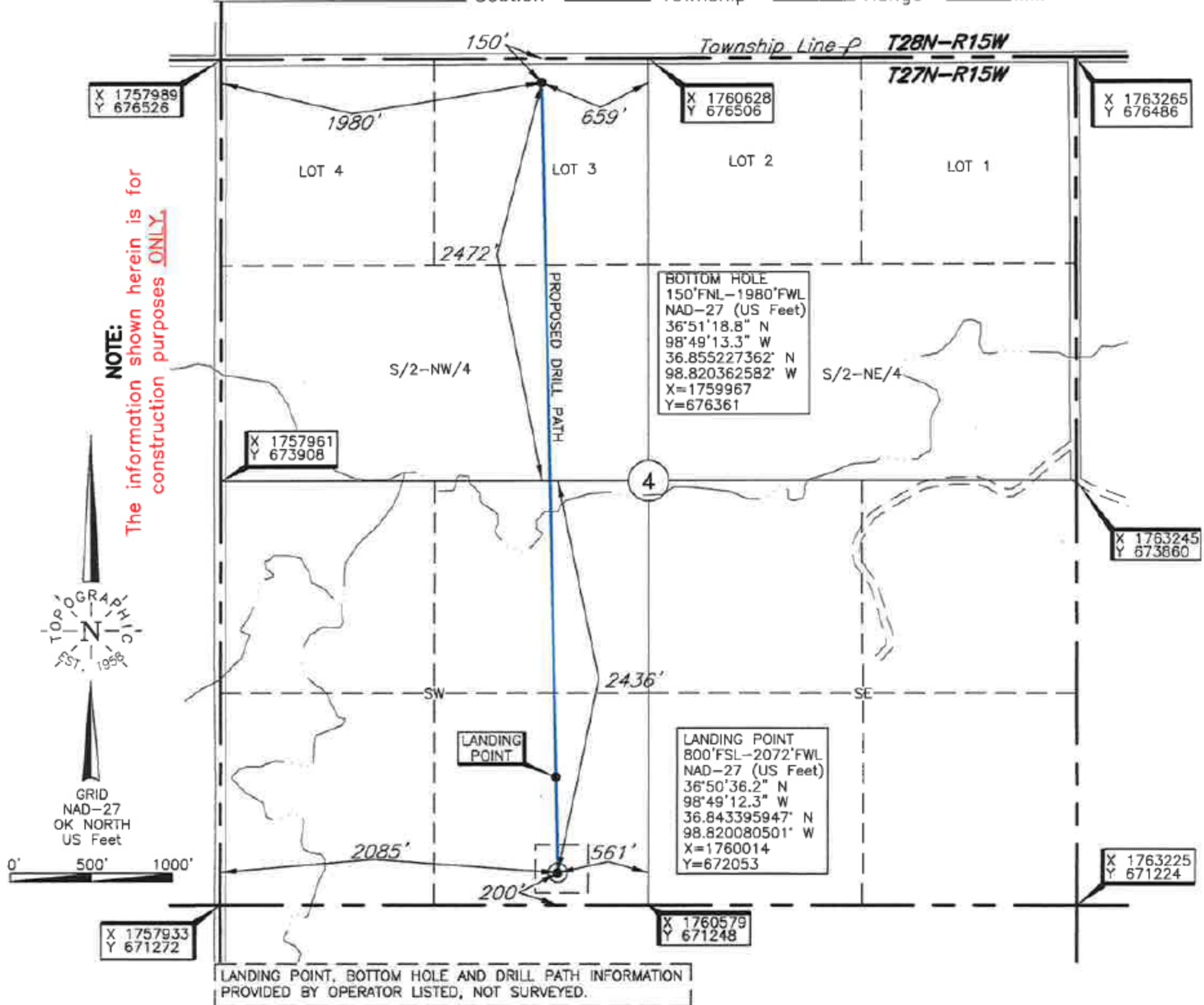
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

151-24550

WOODS

County, Oklahoma

200'FSL - 2085'FWL Section 4 Township 27N Range 15W I.M.



Operator: MACH RESOURCES

Lease Name: O'NEIL 4-27-15

Well No.: 2H

ELEVATION:

1528' Gr. at Stake

Topography & Vegetation Loc. fell in rolling grass pasture

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From West off county road

Distance & Direction

from Hwy Jct or Town From Jct. US Hwy. 64 E-W and US Hwy. 281 South in Alva, OK, go ±9.0 mi. West,
then ±3.0 mi. North to the SW Cor. of Sec. 4-T27N-R15W

Date of Drawing: Nov. 05, 2018

Invoice # 305441 Date Staked: Oct. 31, 2018

AC

DATUM: NAD-27
LAT: 36°50'30.3"N
LONG: 98°49'12.1"W
LAT: 36.841748288° N
LONG: 98.820041225° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1760020
Y: 671453

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

