

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

API NUMBER: 003 23336

Approval Date: 09/12/2018

Expiration Date: 03/12/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 27N Rge: 12W County: ALFALFA

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 225 1420

Lease Name: LK CATTLE 31-27-12

Well No: 2H

Well will be 225 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

LK CATTLE CO
P.O. BOX 548
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5535	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 611846

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806417
201806756

Special Orders:

Total Depth: 10473

Ground Elevation: 1353

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 300

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: 18-35127

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 31 Twp 27N Rge 12W County ALFALFA

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5282

Radius of Turn: 477

Direction: 174

Total Length: 4442

Measured Total Depth: 10473

True Vertical Depth: 5570

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/22/2018 - 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

PENDING CD - 201806417

8/22/2018 - G57 - (E.O.) 31-27N-12W
X611846 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FWL
BCE-MACH, LLC.
REC 9-4-2018 (FOREMAN)

PENDING CD - 201806756

8/22/2018 - G57 - 31-27N-12W
X611846 MSSP
1 WELL
NO OP. NAMED
REC 9-10-2018 (DENTON)

SPACING - 611846

8/22/2018 - G57 - (640)(HOR) 31-27N-12W
EST MSSP
POE TO BHL NLT 660' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

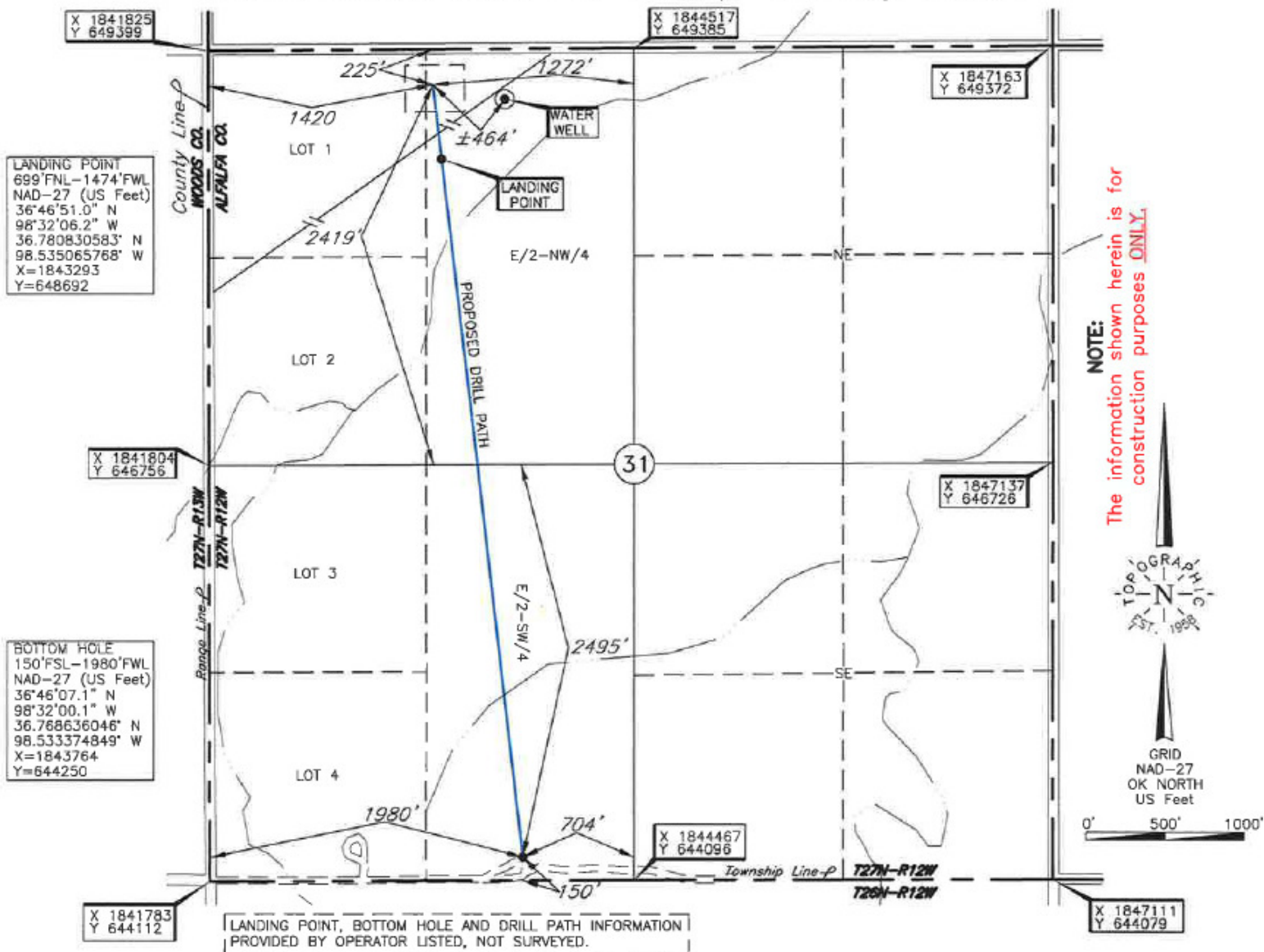
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 • OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

API:003 23336

ALFALFA

County, Oklahoma

225° FNL - 1420° FWL Section 31 Township 27N Range 12W I.M.



Operator: MACH RESOURCES

Lease Name: LK CATTLE 31-27-12

Well No.: 2H

ELEVATION:

1353' Gr. at Stake

Topography & Vegetation Loc. fell in level grass pasture, ±150' South of E-W gas line, ±464' NW of water well, ±273' NW of NE-SW pipeline

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

Best Accessibility to Location From North off county road

Distance & Direction From Alva, OK, go ±6.0 mi. East, then ±1.0 mi. South to the NW Cor. of Sec. 31-T27N-R12W

DATUM: NAD-27
LAT: 36°46'55.7"N
LONG: 98°32'06.9"W
LAT: 36.782132664° N
LONG: 98.535246349° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1843243
Y: 649167

Date of Drawing: Jun. 25, 2018
Invoice # 296468 Date Staked: Jun. 18, 2018

AC

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

Oklahoma Lic. No. 1433

