

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

API NUMBER: 003 23343

Approval Date: 10/18/2018

Expiration Date: 04/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 28N Rge: 10W County: ALFALFA
SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 175 1500

Lease Name: UMANSKY 4-28-10 Well No: 1H 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

DANIEL W. UMANSKY TRUST
8226 LIMERICK
WICHITA KS 67206

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	4907	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807595
201807597

Special Orders:

Total Depth: 9909 Ground Elevation: 1209 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: 5000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35265
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 04 Twp 28N Rge 10W County ALFALFA

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: 4544

Radius of Turn: 477

Direction: 5

Total Length: 4616

Measured Total Depth: 9909

True Vertical Depth: 4956

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/12/2018 - GA8 - 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 - 201807595

10/17/2018 - G75 - (640)(HOR) 4-28N-10W
EST MSSP
POE TO BHL NCT 660' FB
(COEXIST UMANSKY 1-4 API 003-21752 MSSCT UNSPACED)
REC 10-15-2018 (THOMAS)

PENDING CD - 201807597

10/17/2018 - G75 - (I.O.) 4-28N-10W
X201807595 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 1320' FWL
NO OP. NAMED
REC 10-15-2018 (THOMAS)

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 003-23343

ALFALFA

County, Oklahoma

175'FSL - 1500'FWL Section 4 Township 28N Range 10W I.M.

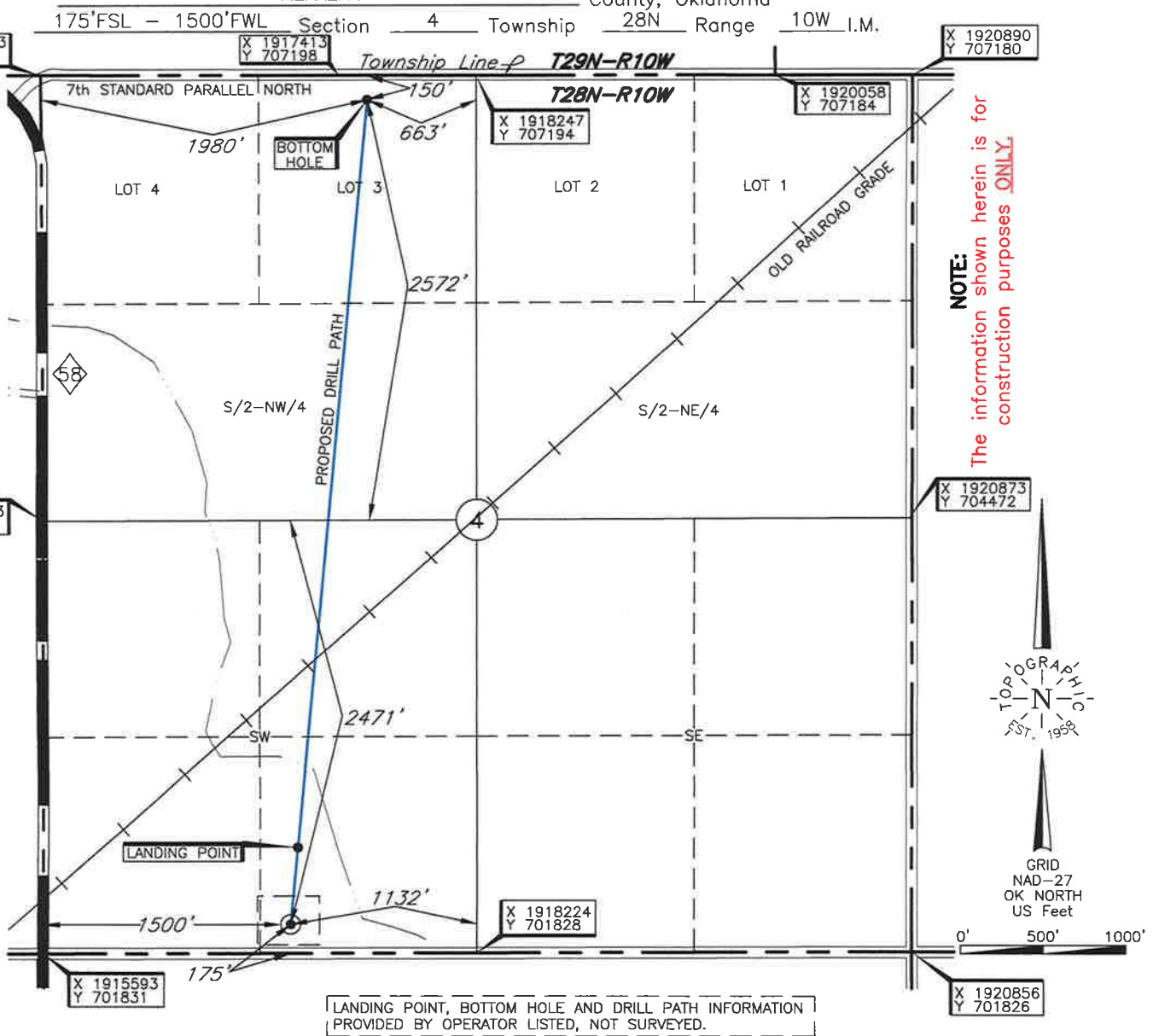
X 1915603
Y 707207

X 1917413
Y 707198

X 1920890
Y 707180

BOTTOM HOLE
150'FNL-1980'FWL
NAD-27 (US Feet)
36°56'33.1" N
98°16'55.2" W
35.941963425' N
98.281991016' W
X=1917583
Y=707047

LANDING POINT
650'FSL-1544'FWL
NAD-27 (US Feet)
36°55'45.9" N
98°17'00.5" W
35.929414779' N
98.283461791' W
X=1917139
Y=702479



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

Operator: MACH RESOURCES

Lease Name: UMANSKY 4-28-10

Well No.: 1H

ELEVATION:

1209' Gr. at Stake

Topography & Vegetation Loc. fell in level plowed field

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 Byron, OK, go ±2.0 mi. North to the SW Cor. of Sec.

4-T28N-R10W

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy)
DATUM: NAD-27
LAT: 36°55'41.2"N
LONG: 98°17'01.0"W
LAT: 36.928110453° N
LONG: 98.283614638° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1917093
Y: 702004

Revision ☒ A

Date of Drawing: Jul. 18, 2018

Invoice # 297064 Date Staked: Jul. 02, 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

Thomas L. Howell
Oklahoma Lic. No. 1433

