

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

API NUMBER: 003 23361

Approval Date: 02/08/2019

Expiration Date: 08/08/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 180 1320

Lease Name: STATE 36-25-11

Well No: 2H

Well will be 180 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

COMMISSIONERS OF THE LAND OFFICE
SUITE 900
204 N ROBINSON AVE
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5973	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 597492

Location Exception Orders: 690499

Increased Density Orders: 690500

Pending CD Numbers:

Special Orders:

Total Depth: 10590

Ground Elevation: 1292

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 350

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: 19-36075

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 36 Twp 25N Rge 11W County ALFALFA

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5440

Radius of Turn: 477

Direction: 5

Total Length: 4401

Measured Total Depth: 10590

True Vertical Depth: 6120

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/10/2019 - 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 - 690500

2/8/2019 - G58 - 36-25N-11W
X597492/601091 MSSP
2 WELLS
BCE-MACH LLC
1/28/2019

LOCATION EXCEPTION - 690499

2/8/2019 - G58 - (I.O.) 36-25N-11W
X597492/601091 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL
BCE-MACH LLC
1/28/2019

SPACING - 597492

2/8/2019 - G58 - (640) 36-25N-11W
VAC 99111 MSSCT
VAC 97052 MRMC, OSGE
EXT 595144 MSSP, OTHERS

SPACING - 601091

2/8/2019 - G58 - (640) 36-25N-11W
CONFIRMS SP ORDER 597492 DUE TO LACK OF NOTICE TO CERTAIN PARTIES

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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 23361 STATE 36-25-11 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

003-23361

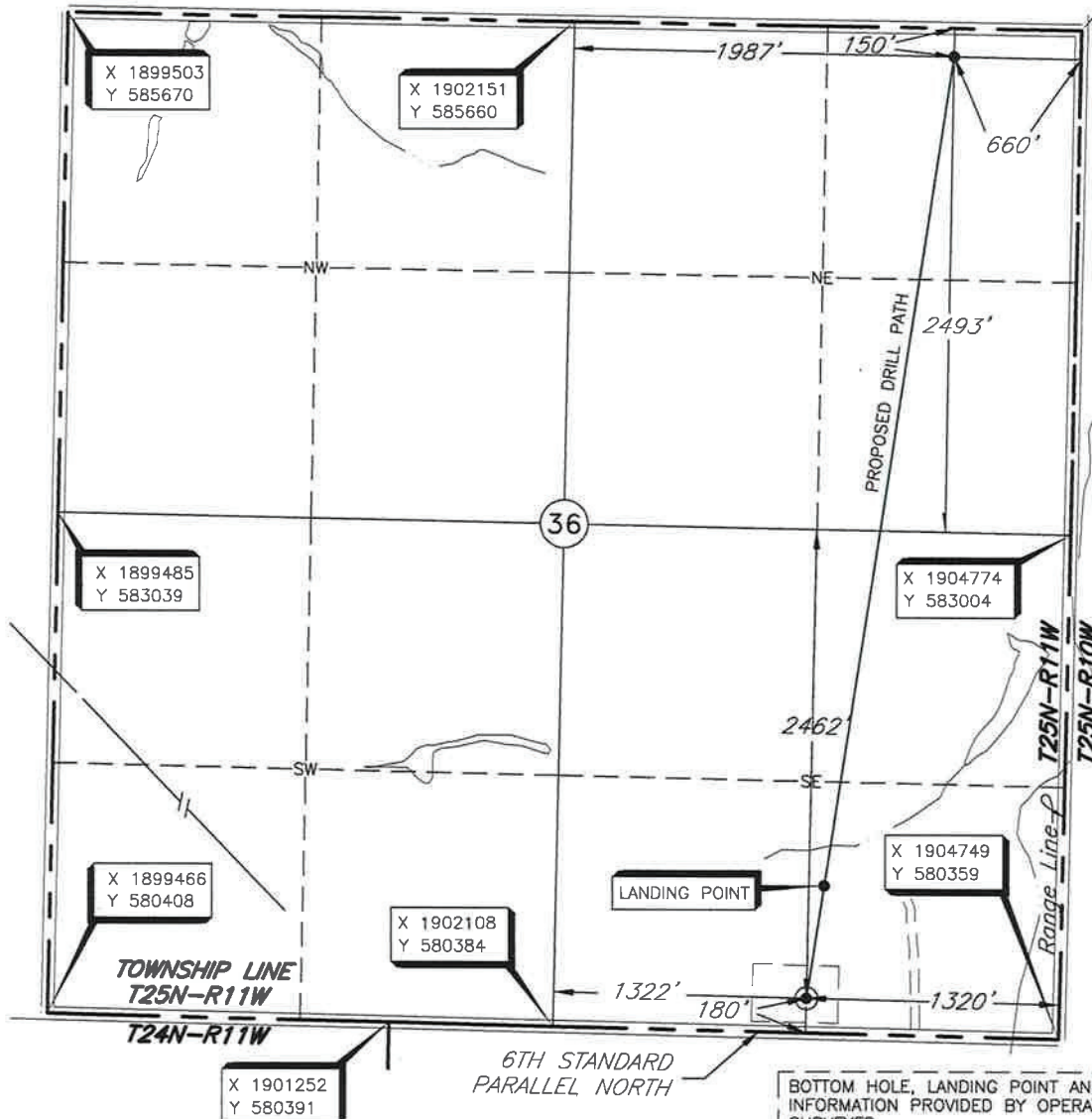
ALFALFA

County, Oklahoma

180'FSL-1320'FEL Section 36 Township 25N Range 11W.I.M.

X 1904798
Y 585649

NOTE:
The information shown herein is for
construction purposes ONLY.



BOTTOM HOLE
150'FNL-660'FEL
NAD-27 (US FEET)
36°36'28.8" N
98°19'35.7"W
36.608005529"N
98.326597032"W
X= 1904137
Y= 585502

LANDING POINT
775'FSL-1241'FEL
NAD-27 (US FEET)
36°35'45.7" N
98°19'43.2"W
36.596033653"N
98.328661422"W
X= 1903516
Y= 581145

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

Operator: MACH RESOURCES

Lease Name: State 36-25-11

Well No.: 2H

ELEVATION:

1292' Gr. at Stake

Topography & Vegetation Loc. fell in Level Wheat 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 Helena, OK- Go North ±3.25 miles on St. Hwy 58, then go West ±3.50 miles
to SE Corner 36-T25N-R11W

Date of Drawing: Nov. 6, 2018

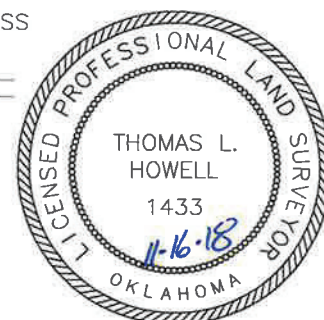
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Invoice # 306003 Date Staked: Nov. 2, 2018

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



DATUM: NAD-27
LAT: 36°35'39.8" N
LONG: 98°19'44.2" W
LAT: 36.594401254° N
LONG: 98.328942858° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: NORTH
X: 1903431
Y: 580551

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