

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

API NUMBER: 003 23377

Approval Date: 05/16/2019

Expiration Date: 11/16/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 25N Rge: 11W

County: ALFALFA

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 180 200

Lease Name: MEANS 12-25-11

Well No: 4H

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

TERRY MEANS
12679 COUNTY ROAD 580
CARMEN OK 12679

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 622603

Location Exception Orders: 693194

Increased Density Orders: 692373

Pending CD Numbers:

Special Orders:

Total Depth: 10700

Ground Elevation: 1245

Surface Casing: 520

Depth to base of Treatable Water-Bearing FM: 450

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: BISON

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36151
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 12 Twp 25N 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: 5306

Radius of Turn: 547

Direction: 6

Total Length: 4535

Measured Total Depth: 10700

True Vertical Depth: 5860

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

Notes:

Category

Description

HYDRAULIC FRACTURING

5/10/2019 - 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 - 692373

5/16/2019 - G56 - 12-25N-11W
X622603 MSSP
1 WELL
BCE-MACH LLC
3/4/2019

LOCATION EXCEPTION - 693194

5/16/2019 - G56 - (I.O.) 12-25N-11W
X622603 MSSP
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 600' FWL
BCE-MACH LLC
3/20/2019

SPACING - 622603

5/16/2019 - G56 - (640) 12-25N-11W
VAC 105169 MSSCT, MSSLM
EST MSSP, OTHERS

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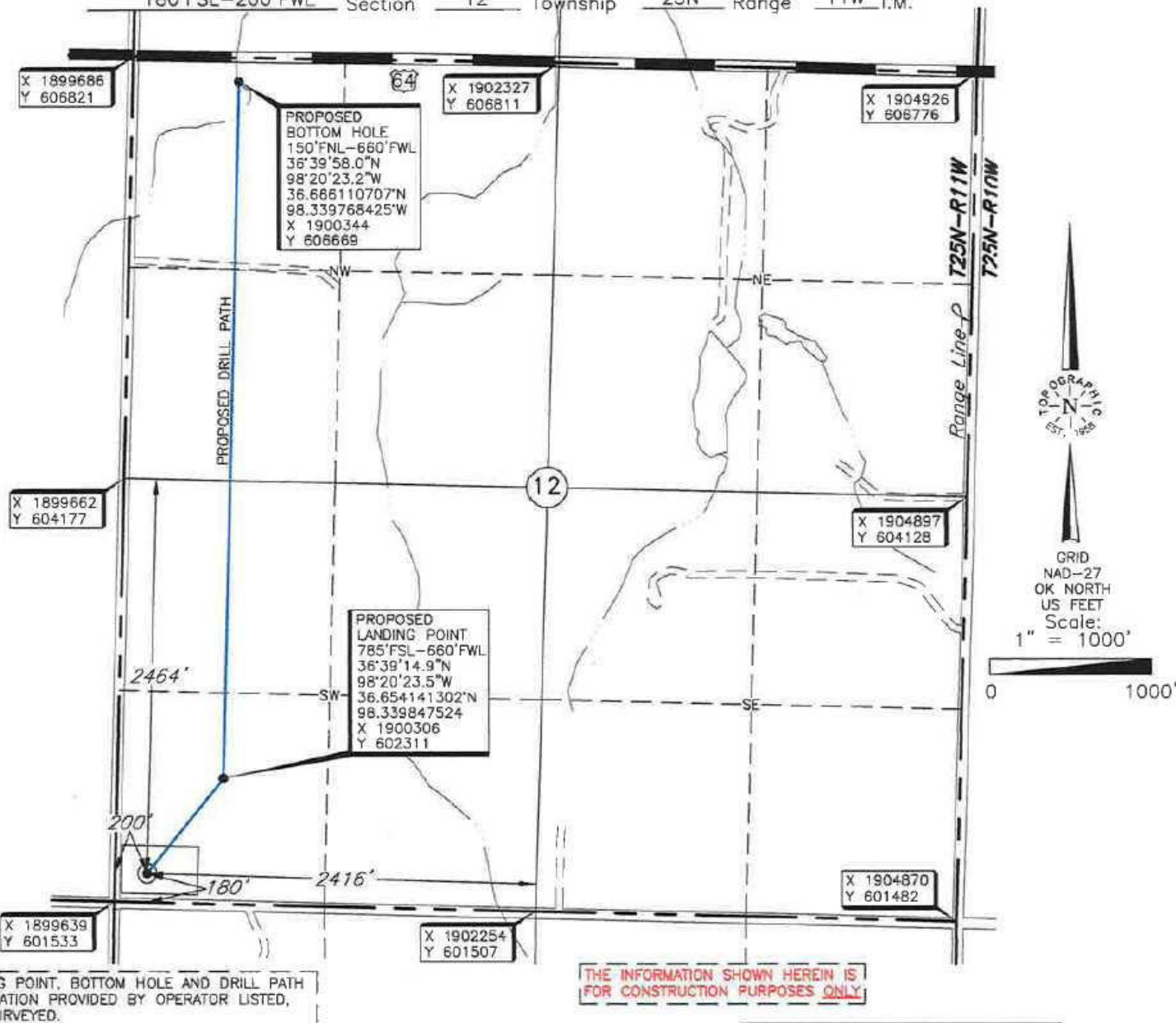
003 23377 MEANS 12-25-11 4H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

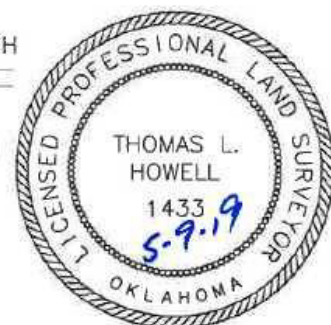
ALFALFA

County, Oklahoma

180'FSL-200'FWL Section 12 Township 25N Range 11W I.M.

Operator: MACH RESOURCESLease Name: MEANS 12-25-11Well No.: 4H**ELEVATION:**1245' Gr. at StakeTopography & Vegetation Location fell in level wheat field.Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set NoneBest Accessibility to Location From South off county road.Distance & Direction From Cherokee, Oklahoma, go South ±6 miles, then go East ±1 mile,
then go South ±1 miles to the Southwest corner of Section 12, T25N-R11W.Revision ☒ BDate of Drawing: May 9, 2019Invoice # 311029A Date Staked: Jan. 18, 2019

KH

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 Reg. No. 1433

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

DATUM: NAD-27
LAT: 36°39'09.0"N
LONG: 98°20'29.1"W
LAT: 36.652488758"N
LONG: 98.341426377"W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1899841
Y: 601711