

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

API NUMBER: 003 23357

Approval Date: 01/16/2019

Expiration Date: 07/16/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 25N Rge: 11W County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 271 840

Lease Name: PIERSON 8-25-11

Well No: 4H

Well will be 271 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

DUANE & CAROL ANN PIERSON
750 HIGH CREST DR
POINT BLANK TX 77367-

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5725	6
2			7
3			8
4			9
5			10

Spacing Orders: 604786

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900205
201900114

Special Orders:

Total Depth: 11105

Ground Elevation: 1254

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: 19-36083

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 08 Twp 25N Rge 11W County ALFALFA

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5387

Radius of Turn: 505

Direction: 179

Total Length: 4924

Measured Total Depth: 11105

True Vertical Depth: 5820

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/15/2019 - 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

PENDING CD - 201900114

1/15/2019 - G58 - (E.O.) 8-25N-11W
X604786 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL
NO OP. NAMED
REC 1/14/2019 (MINMIER)

PENDING CD - 201900205

1/15/2019 - G58 - 8-25N-11W
X604786 MSSP
1 WELL
NO OP. NAMED
HEARING 2/4/2019

SPACING - 604786

1/15/2019 - G58 - (640) 8-25N-11W
VAC 103092 MPLM
EXT/REFORM OTHER
EXT 599978 MSSP, OTHERS

This permit does not address the right of entry or settlement of surface damages.

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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 23357 PIERSON 8-25-11 4H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 • OUT OF STATE (800) 654-3219

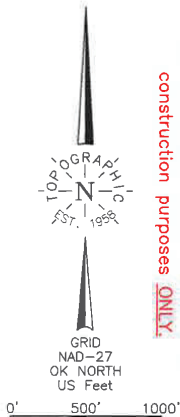
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

271'FSL - 840'FEL Section 5 Township 25N Range 11W I.M.

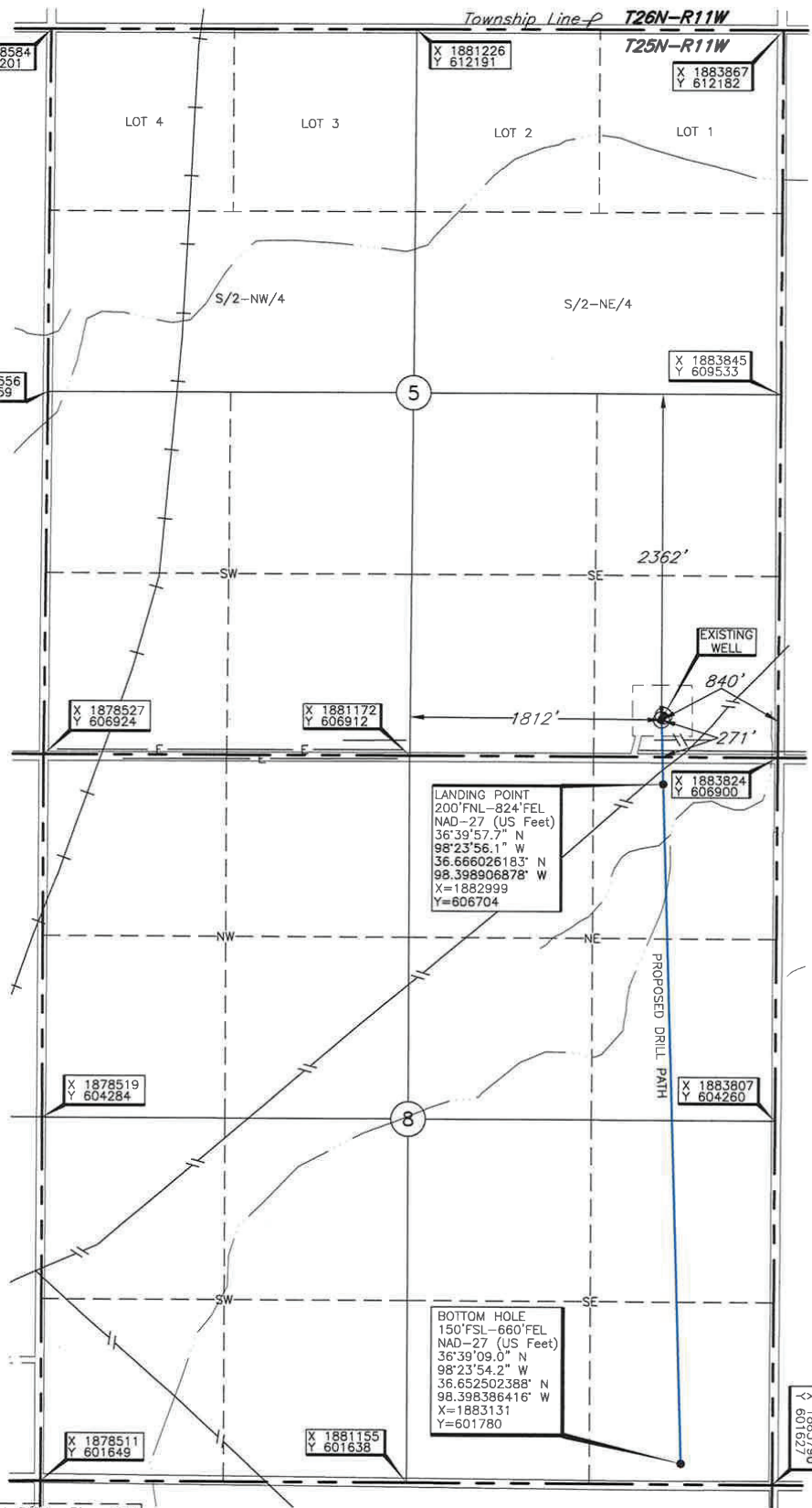
003-23357



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

Operator: MACH RESOURCES
Lease Name: PIERSON 8-25-11
Topography & Vegetation Loc. fell on level pod. $\pm 33'$ SW of existing well
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 Lambert, OK, go ± 1.5 mi. East, then ± 1.0 mi. South to the NE Cor. of Sec. 8-T25N-R11W

Well No.: 4H
ELEVATION: 1254' Gr. at level pod



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

DATUM: NAD-27
LAT: 36°40'02.4"N
LONG: 98°23'56.2"W
LAT: 36.667319820° N
LONG: 98.398956673° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1882986
Y: 607175

Date of Drawing: Dec. 10, 2018
Invoice # 308066 Date Staked: Dec. 06, 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

Thomas L. Howell
Oklahoma Lic. No. 1433

