

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

API NUMBER: 151 24560

Approval Date: 03/26/2019

Expiration Date: 09/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 27N Rge: 14W County: WOODS
SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 270 1165

Lease Name: TOMBERLIN 4-27-14 Well No: 4H Well will be 270 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

BILL R. AND GLENDA F. TOMBERLIN
30590 COUNTY ROAD 420
ALVA OK 73717

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

| Name | Depth | Name | Depth |
|--------------------|-------|------|-------|
| 1 MISSISSIPPI LIME | 5403 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 154482 Location Exception Orders: Increased Density Orders: 693067
Pending CD Numbers: 201900674 Special Orders:

Total Depth: 10357 Ground Elevation: 1484 Surface Casing: 410 Depth to base of Treatable Water-Bearing FM: 360

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36270
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 27N Rge 14W County WOODS

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: 4914

Radius of Turn: 537

Direction: 10

Total Length: 4600

Measured Total Depth: 10357

True Vertical Depth: 5440

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/5/2019 - 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 - 693067

3/20/2019 - G56 - 4-27N-14W
154482 MSSLM
1 WELL
BCE-MACH LLC
3/18/2019

PENDING CD - 201900674

3/20/2019 - G56 - (I.O.) 4-27N-14W
X154482 MSSP***
X165:10-3-28(C)(2)(B) MSSP*** MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELL
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 1320' FWL
NO OP NAMED
REC 2/25/2019 (P. PORTER)

*** WILL BE CORRECTED TO MSSLM AT HEARING PER ATTORNEY FOR OPERATOR

SPACING - 154482

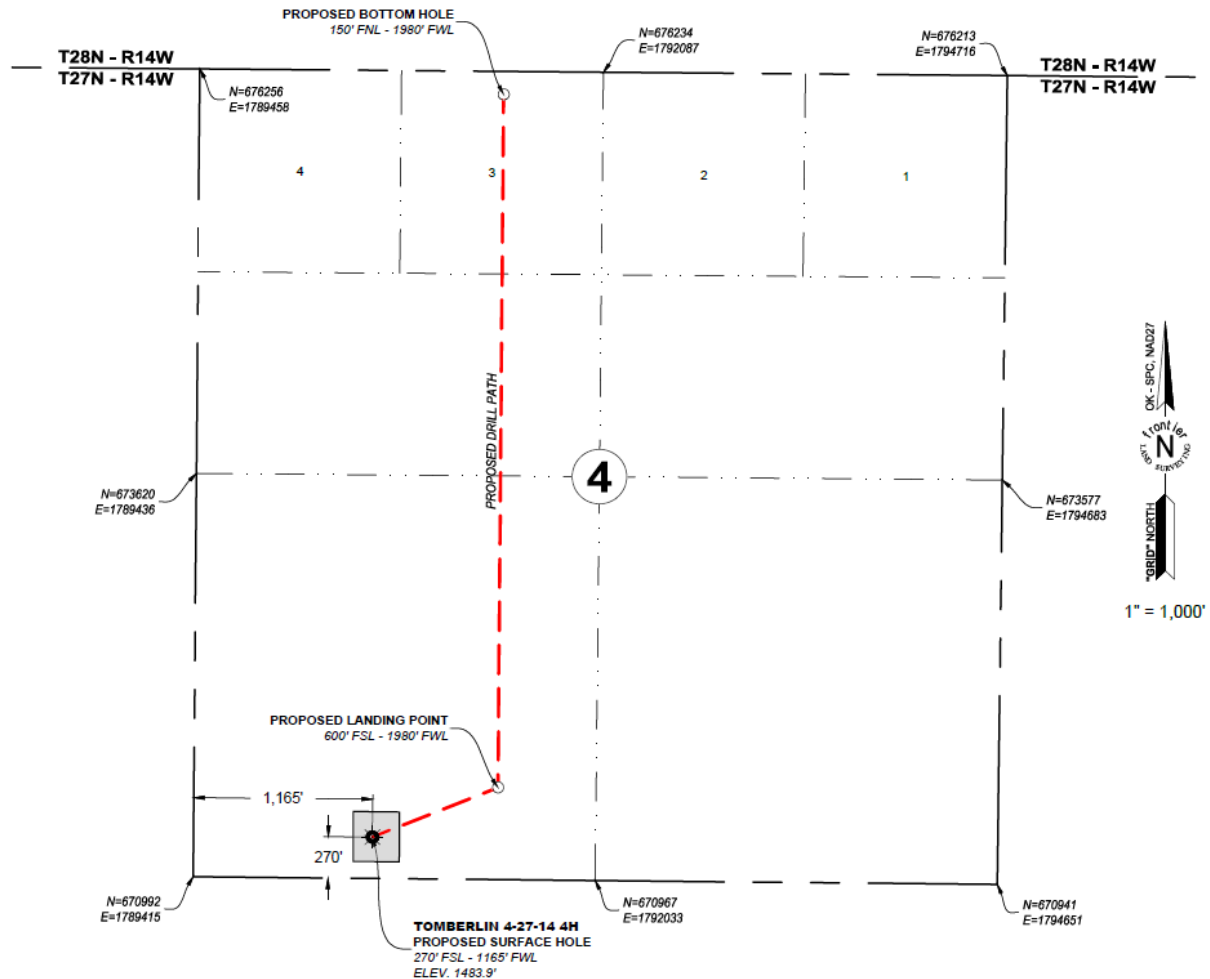
3/20/2019 - G56 - (640) 4-27N-14W
EXT OTHER
EXT 134572 MSSLM, OTHERS

OPERATOR: MACH RESOURCES
LEASE NAME: TOMBERLIN 4-27-14 WELL NO.: 4H
SECTION 4 TOWNSHIP T27N RANGE R14W
SURFACE HOLE FOOTAGE: 270' FSL - 1165' FWL
GROUND ELEVATION AT SURFACE HOLE: 1483.9'
LANDING POINT FOOTAGE: 600' FSL - 1980' FWL
BOTTOM HOLE FOOTAGE: 150' FNL - 1980' FWL
SECTION 4 TOWNSHIP T27N RANGE R14W

COUNTY: WOODS STATE: OKLAHOMA
ACCEPTABLE DRILL SITE? YES
TERRAIN: FELL IN FIELD, SLOPING TO NORTHWEST
ACCESSIBILITY TO LOCATION: FROM THE SOUTH LINE.

LOCATION RELATIVE TO NEAREST TOWN OR HWY JUNCTION: FROM THE INTERSECTION OF HWY 64 & HWY 281 IN ALVA, OK. HEAD NORTH ON HWY 281 FOR 4.0 MILES AND TURN WEST ON E0110 ROAD. HEAD WEST ON E0110 ROAD FOR 2.0 MILES AND TURN SOUTH ON N2430 ROAD. HEAD SOUTH ON N2430 ROAD FOR 1.0 MILES AND TURN WEST ON E0120 ROAD. HEAD WEST ON E0120 ROAD FOR 1.8 MILES THEN NORTH INTO.

35-151-24560



TOMBERLIN 4-27-14 4H

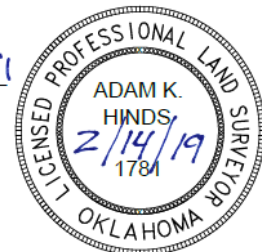
LANDING POINT, BOTTOM HOLE, AND DRILL PATH
INFORMATION PROVIDED BY OPERATOR LISTED.

PROPOSED SURFACE HOLE
270' FSL - 1165' FWL
LAT: 36.84185782
LONG: -98.71560482
N= 671250.5
E= 1790581.9

PROPOSED LANDING POINT
600' FSL - 1980' FWL
LAT: 36.84275923
LONG: -98.71282002
N= 671572.7
E= 1791399.3

PROPOSED BOTTOM HOLE
150' FNL - 1980' FWL
LAT: 36.85516648
LONG: -98.71280707
N= 676089.8
E= 1791436.2

Adam K. Hinds
ADAM K. HINDS
PROFESSIONAL LAND SURVEYOR # 1781



- PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR. THE ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT FRONTIER LAND SURVEYING PROMPTLY IF ANY INCONSISTENCY IS DETERMINED. GPS DATA IS OBSERVED FROM RTK-GPS.
- X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND EXHIBIT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.
- QUARTER SECTION DISTANCE MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON THE GROUND.
- ALL VALUES LISTED ARE IN NAD83 HORIZONTALLY AND NAVD83 VERTICALLY.

frontier
LAND SURVEYING
405, 282, 0433
600 W. 18th STREET EDMOND, OK 73124
CA #7232 EXP. 6/30/20
FLS-Survey.com

ALLEGIAN
Land Services & Consulting
311 N. MAIN STREET SELWING, OK 73853
580, 922, 0358

TOMBERLIN 4-27-14 4H

SHL: 270' FSL - 1165' FWL
BHL: 150' FNL - 1980' FWL

LOCATED IN THE SW/4 OF SECTION 4
T27N - R14W I.M.
WOODS COUNTY, OKLAHOMA

MACH
RESOURCES

14201 WIRELESS WAY OKC, OK 73134 405, 252, 8100

| | | |
|-----------------------|----------------|-----------------|
| DWG DATE: 02/14/19 | DRAWN BY: AKH | CHK'D BY: AKH |
| STAKED DATE: 02/13/19 | FLS #: 19-0016 | SHEET #: 1 OF 5 |
| REV. | DWN. | DESCRIPTION |
| | | DATE: |