

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

API NUMBER: 151 24583

Approval Date: 11/12/2019
Expiration Date: 05/12/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 29N Rge: 14W County: WOODS
SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 205 1655

Lease Name: LJM 24-29-14 Well No: 1H Well will be 205 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

LEE MACKEY LLC
PO BOX 852
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 79029

Location Exception Orders: 702616

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10200

Ground Elevation: 1401

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

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: 8000 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: 19-37029
H. CLOSED SYSTEM = STEEL PITS (REQUIRED - DRIFTWOOD CREEK)

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 24 Twp 29N Rge 14W County WOODS

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 4440

Radius of Turn: 532

Direction: 184

Total Length: 4924

Measured Total Depth: 10200

True Vertical Depth: 7000

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/10/2019 - GC2 - 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

LOCATION EXCEPTION - 702616

11/12/2019 - GB1 - (I.O.) 24-29N-14W
X79029 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
BCE-MACH LLC
9/20/2019

SPACING - 79029

11/12/2019 - GB1 - (640) 24-29N-14W
EXT 47679 MSSP
EST OTHERS

OPERATOR: MACH RESOURCES

COUNTY: WOODS

STATE: OKLAHOMA

LEASE NAME: LJM 24-29-14

WELL NO.: 1H

ACCEPTABLE DRILL SITE? YES

SECTION: 13

TOWNSHIP: 29N

RANGE: 14W

TERRAIN: LOCATION IS ON EXISTING PAD, LJM 13-29-14 1H

SURFACE HOLE FOOTAGE: 205' FSL - 1655' FEL

ACCESSIBILITY TO LOCATION: UTILIZE EXISTING

GROUND ELEVATION AT SURFACE HOLE: 1400.50'

DIRECTIONS: FROM THE INTERSECTION OF CENTRAL AVE. AND US-281 IN HARDTNER, KS. HEAD SOUTH ON US-281 FOR 2.0 MILES AND TURN WEST ON E0020 RD. CONTINUE WEST FOR 0.3 MILES THEN NORTH INTO.

LANDING POINT FOOTAGE: 200' FNL - 1980' FEL

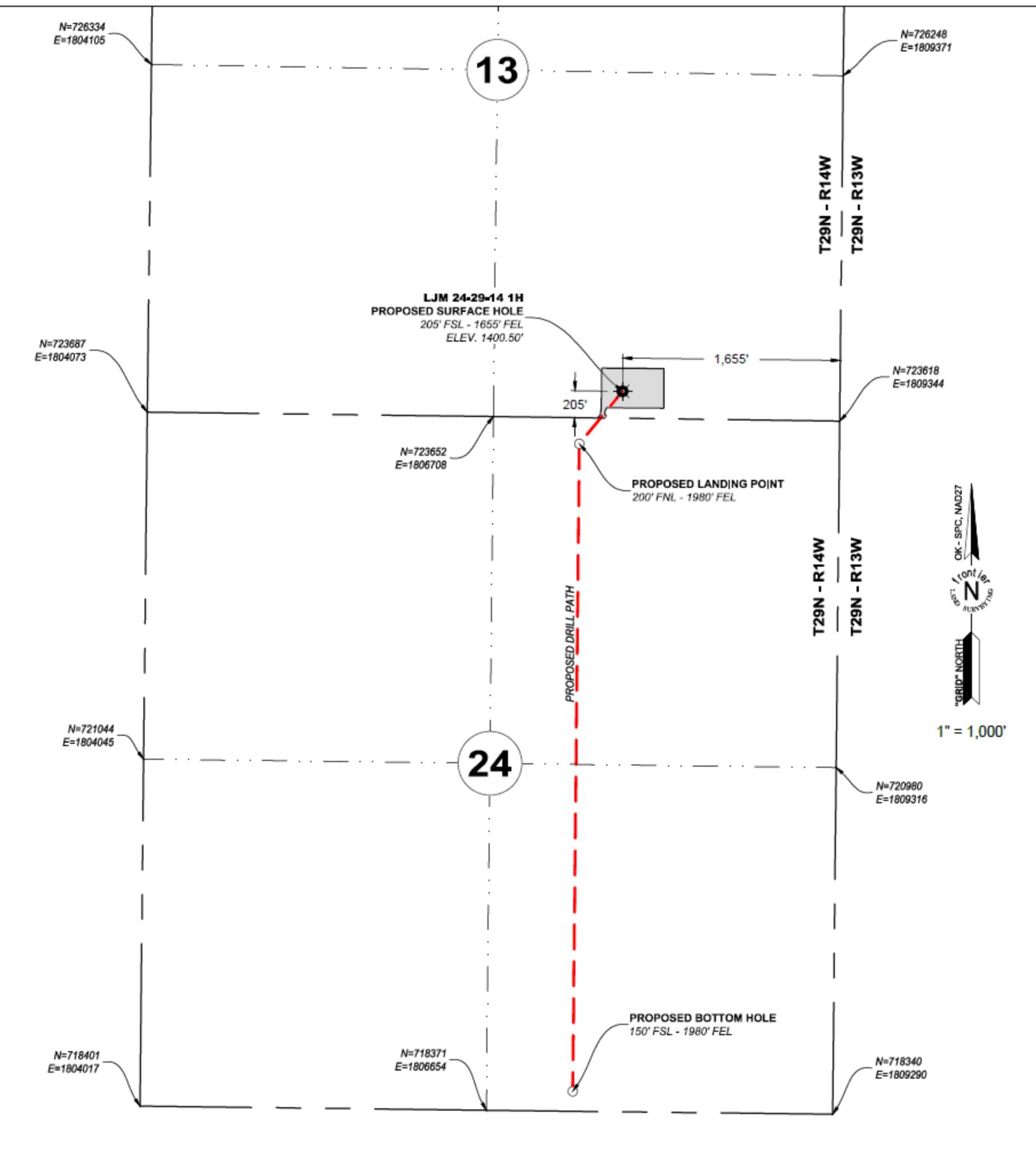
BOTTOM HOLE FOOTAGE: 150' FSL - 1980' FEL

SECTION: 24

TOWNSHIP: 29N

RANGE: 14W

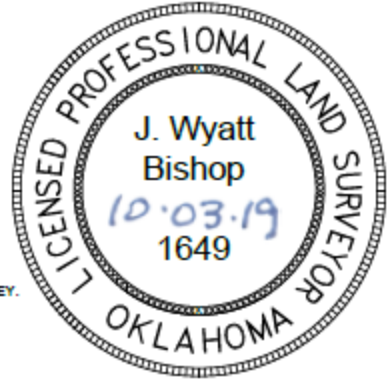
API 151-24583



LJM 24-29-14 1H LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

PROPOSED SURFACE HOLE	PROPOSED LANDING POINT	PROPOSED BOTTOM HOLE
205' FSL - 1655' FEL LAT: 36.98663809 LONG: -98.65836209 N= 723844.7 E= 1807690.9	200' FNL - 1980' FEL LAT: 36.98553130 LONG: -98.65947982 N= 723443.9 E= 1807361.7	150' FSL - 1980' FEL LAT: 36.97198764 LONG: -98.65953689 N= 718512.8 E= 1807311.5

J. Wyatt Bishop
J. WYATT BISHOP
PROFESSIONAL LAND SURVEYOR # 1649



- 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 FURTHERMORE THIS 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 NAD27 HORIZONTALLY AND NAVD88 VERTICALLY.
- THE LOCATION OF EXISTING WELLS SHOWN ARE APPROXIMATE FROM OKLAHOMA CORPORATION COMMISSION DATA PROVIDED BY OTHERS.

frontier LAND SURVEYING
405, 265, 0433
00 W, 18th STREET EDMOND, OK 73035
FLS-Survey.com
CA #7232 EXP: 6/30/20

ALLEGiant
Land Services & Consulting
311 N. MAIN STREET SELING, OK 73083
580, 822, 0356

LJM 24-29-14 1H
SHL: 205' FSL - 1655' FEL
BHL: 150' FSL - 1980' FEL

LOCATED IN THE SE/4 OF SECTION 13
29N - 14W I.M.
WOODS COUNTY, OKLAHOMA

MACH RESOURCES
14201 WIRELESS WAY OKC, OK 73134 405, 262, 8100

DWG DATE: 10/02/19	DRAWN BY: MOM	CHK'D BY: JWB	
STAKED DATE: 10/01/19	FLS #: 19-0165	SHEET #: 1 OF 5	
REV.	DWN.	DESCRIPTION	DATE: