

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

API NUMBER: 151 24587

Approval Date: 12/11/2019

Expiration Date: 06/11/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 27N Rge: 16W

County: WOODS

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 277 335

Lease Name: VERLIN 17-27-16

Well No: 2H

Well will be 277 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

VERLIN NEIL MCMURPHY & BETTY LOUISE MCMURPHY  
307 2ND ST  
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5732	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 595923

Location Exception Orders: 705904

Increased Density Orders: 704665

Pending CD Numbers:

Special Orders:

Total Depth: 10670

Ground Elevation: 1814

**Surface Casing: 670**

Depth to base of Treatable Water-Bearing FM: 620

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: DOG CREEK

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37128  
H. CLOSED SYSTEM = STEEL PITS (REQUIRED - WHITE HORSE 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 17 Twp 27N Rge 16W County WOODS

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5298

Radius of Turn: 538

Direction: 176

Total Length: 4527

Measured Total Depth: 10670

True Vertical Depth: 5800

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

12/3/2019 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 704665 (201904908) 12/11/2019 - G56 - 17-27N-16W  
X595923 MSSP  
1 WELL  
BCE-MACH LLC  
11/1/2019

LOCATION EXCEPTION - 705904 (201905386) 12/11/2019 - G56 - (I.O.) 17-27N-16W  
X595923 MSSP  
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
BCE-MACH LLC  
12/4/2019

SPACING - 595923 12/11/2019 - G56 - (640) 17-27N-16W  
VAC OTHER  
VAC 88231 MSSLM  
EXT OTHER  
EST MSSP

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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.

151 24587 VERLIN 17-27-16 2H

OPERATOR: **MACH RESOURCES**

LEASE NAME: **VERLIN 17-27-16**

SECTION: **17**

SURFACE HOLE FOOTAGE: **277' FNL - 335' FWL**

GROUND ELEVATION AT SURFACE HOLE: **1813.80'**

LANDING POINT FOOTAGE: **600' FNL - 660' FWL**

BOTTOM HOLE FOOTAGE: **150' FSL - 660' FWL**

SECTION: **17**

WELL NO.: **2H**

TOWNSHIP: **27N**

RANGE: **16W**

COUNTY: **WOODS**

STATE: **OKLAHOMA**

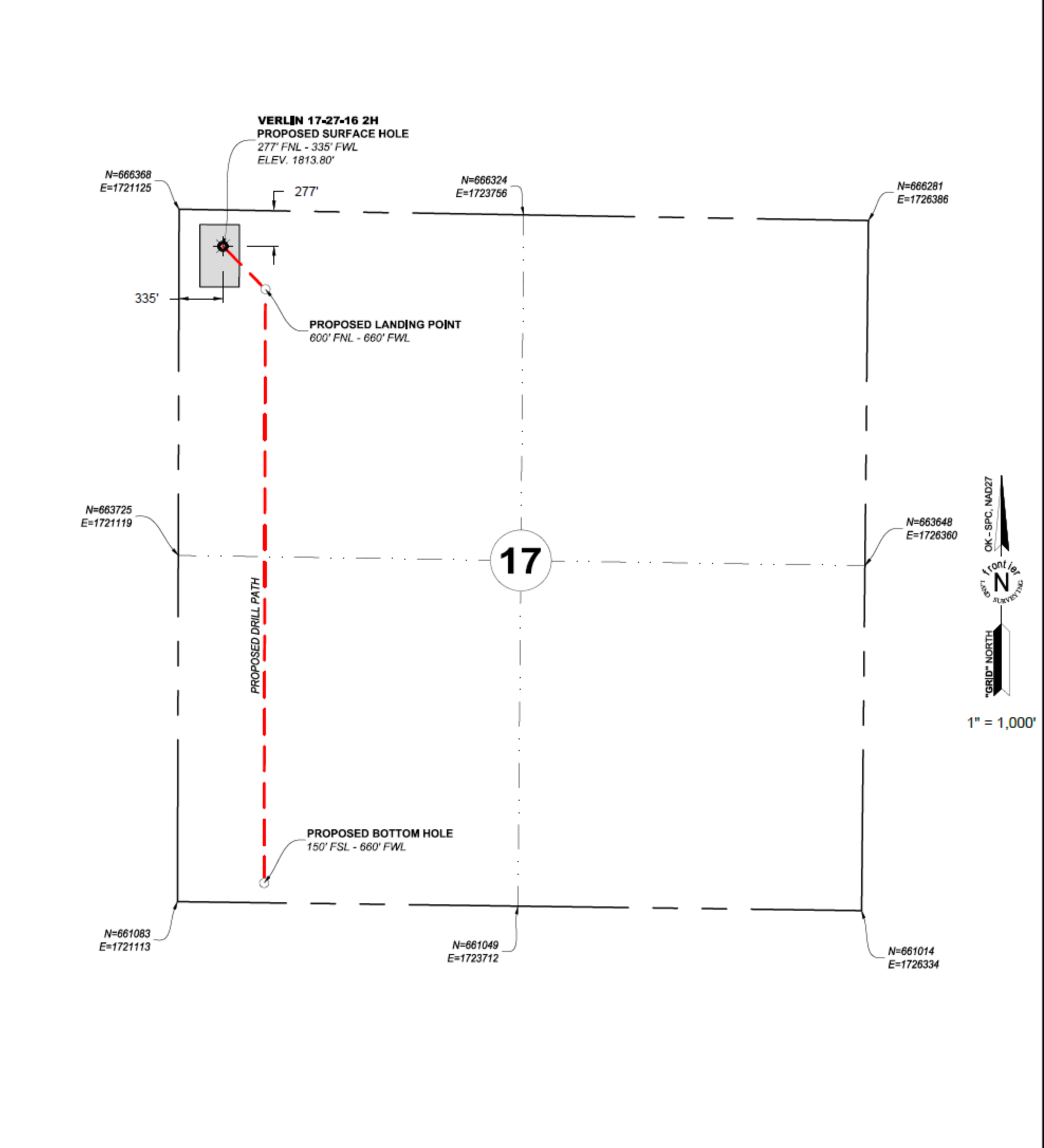
ACCEPTABLE DRILL SITE? **YES**

TERRAIN: **LOCATION IN A FIELD, SLOPING SOUTHWEST TO NORTHEAST.**

ACCESSIBILITY TO LOCATION: **FROM NORTH LINE**

DIRECTIONS: **FROM THE INTERSECTION OF HIGHWAY 64 AND N2270 RD. HEAD NORTH ON N2270 RD FOR 2.0 MILES. THEN TURN EAST ONTO E0130 RD FOR 1.0 MILE. THEN SOUTH INTO.**

151-24587



**VERLIN 17-27-16 2H**

**PROPOSED SURFACE HOLE**  
277' FNL - 335' FWL  
LAT: 36.82604048  
LONG: -98.95161713  
N= 666084.9  
E= 1721459.6

**PROPOSED LANDING POINT**  
600' FNL - 660' FWL  
LAT: 36.82514845  
LONG: -98.95049841  
N= 665757.0  
E= 1721783.9

**PROPOSED BOTTOM HOLE**  
150' FSL - 660' FWL  
LAT: 36.81269904  
LONG: -98.95038188  
N= 661224.2  
E= 1721773.6

  
J. WYATT BISHOP  
PROFESSIONAL LAND SURVEYOR # 1649



  
405, 285, 0433  
600 W, 18th STREET EDMOND, OK 73017  
FLS-Survey.com  
CA #7232 EXP: 6/30/20

  
311 N, MAIN STREET SEILING, OK 73663  
580, 922, 0356

**VERLIN 17-27-16 2H**  
SHL: 277' FNL - 335' FWL  
BHL: 150' FSL - 660' FWL  
LOCATED IN THE NW/4 OF SECTION 17  
T27N - R16W I.M.  
WOODS COUNTY, OKLAHOMA

**MACH**  
RESOURCES  
14201 WIRELESS WAY OKC, OK 73134  
405, 252, 8100

DWG DATE: 11/15/19	DRAWN BY: MDM	CHK'D BY: JWB	
STAKED DATE: 11/14/19	FLS #: 19-0188	SHEET #: 1 OF 5	
REV.	DWN.	DESCRIPTION	DATE: