

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

API NUMBER: 151 24593

Approval Date: 02/20/2020
Expiration Date: 08/20/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 08 Township: 28N Range: 16W County: WOODS

SPOT LOCATION: SE SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 225 503

Lease Name: ARNDT TRUST 17-28-16 Well No: 1H Well will be 225 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

KENNETH MAYNARD ARNDT
4521 CLASSEN COURT
STILLWATER OK 74075

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

Name	Code	Depth
1 MISSISSIPPI	351MISS	5400

Spacing Orders: 97151

Location Exception Orders: No Exceptions

Increased Density Orders: 696632

Pending CD Numbers: 202000313

Special Orders: No Special Orders

Total Depth: 10660

Ground Elevation: 1772

Surface Casing: 530

Depth to base of Treatable Water-Bearing FM: 480

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37247
H. CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

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

HORIZONTAL HOLE 1

Section: 17 Township: 28N Range: 16W

Total Length: 4870

County: WOODS

Measured Total Depth: 10660

Spot Location of End Point: S2 S2 SW SW

True Vertical Depth: 5480

Feet From: SOUTH 1/4 Section Line: 150

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

Feet From: WEST 1/4 Section Line: 660

Additional Surface Owner(s)	Address	City, State, Zip
DEVONA D. MCMURPHY AND DAVID	1616 SPRUCE	ALVA, OK 73717-

NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	<p>2/14/2020 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
INCREASED DENSITY - 696632 (201902316)	<p>2/19/2020 - GB6 - 17-28N-16W X97151 MISS 1 WELL BCE-MACH LLC 05/24/2019</p>
PENDING CD - 202000313	<p>2/19/2020 - GB6 - (E.O.) 17-28N-16W X97151 MISS COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL BCE-MACH LLC REC 02/14/2020 (MILLER)</p>
SPACING - 97151	<p>2/19/2020 - GB6 - (640) 17-28N-16W EXT 47686/64042 MISS, OTHERS EST OTHERS</p>

OPERATOR: MACH RESOURCES

LEASE NAME: ARNDT TRUST 17-28-16

SECTION: 8

SURFACE HOLE FOOTAGE: 225' FSL - 503' FWL (SECTION 8)

GROUND ELEVATION AT SURFACE HOLE: 1771.9'

LANDING POINT FOOTAGE: 200' FNL - 660' FWL (SECTION 17)

BOTTOM HOLE FOOTAGE: 150' FSL - 660' FWL (SECTION 17)

SECTION: 17

WELL NO.: 1H

TOWNSHIP: 28N

RANGE: 16W

COUNTY: WOODS

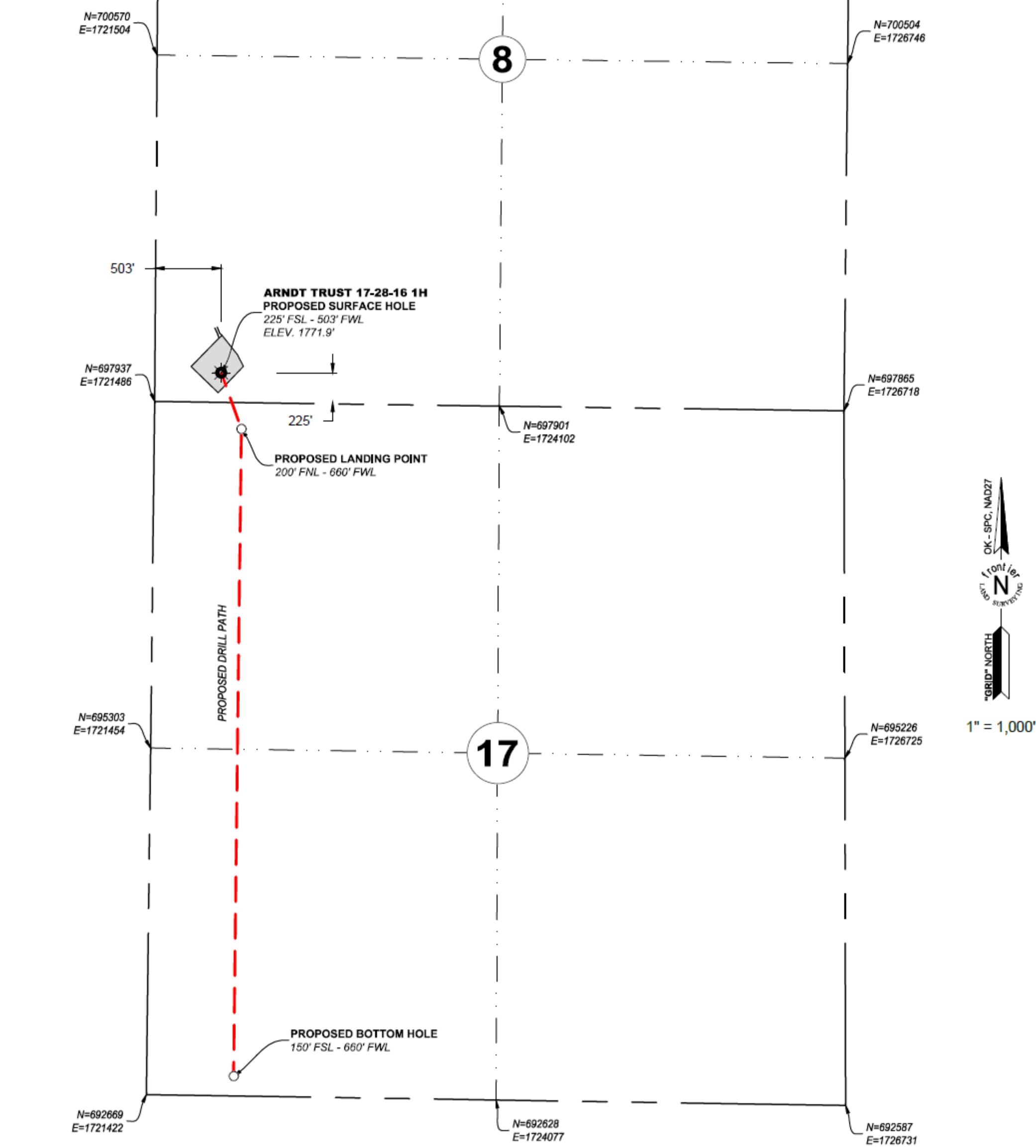
ACCEPTABLE DRILL SITE? YES

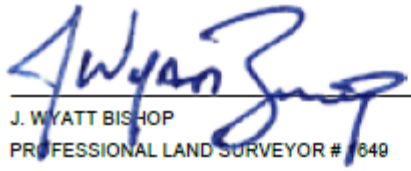

TERRAIN: LOCATION IS ON EXISTING PAD, ARNDT TRUST 1-8H


ACCESSIBILITY TO LOCATION: UTILIZE EXISTING

DIRECTIONS: FROM THE INTERSECTION OF HWY 64 AND N2260 RD. HEAD NORTH ON N2260 RD 8.9 MILES. THEN EAST ALONG E0060 RD FOR 2.2 MILES. THEN SOUTH ALONG EXISTING LEASE RD FOR 1.0 MILE TO EXISTING LOCATION.


API 151-24593



ARNDT TRUST 17-28-16 1H			LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.
PROPOSED SURFACE HOLE 225' FSL - 503' FWL LAT: 36.91413290 LONG: -98.95087816 N= 698154.8 E= 1721990.0	PROPOSED LANDING POINT 200' FNL - 660' FWL LAT: 36.91296418 LONG: -98.95033966 N= 697727.8 E= 1722143.3	PROPOSED BOTTOM HOLE 150' FSL - 660' FWL LAT: 36.89945375 LONG: -98.95037863 N= 692809.1 E= 1722083.8	 J. WYATT BISHOP PROFESSIONAL LAND SURVEYOR # 1649
<div><div><div>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.</div><div>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.</div><div>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.</div><div>ALL VALUES LISTED ARE IN NAD27 HORIZONTALLY AND NAVD88 VERTICALLY.</div><div>THE LOCATION OF EXISTING WELLS SHOWN ARE APPROXIMATE FROM OKLAHOMA CORPORATION COMMISSION DATA PROVIDED BY OTHERS.</div></div><div><div><div>J. Wyatt Bishop</div><div>2-07-2020</div><div>1649</div></div></div></div>			



405 . 265 . 0433
600 W. 19th STREET EDMOND, OK 7308




311 N. MAIN STREET SELING, OK 73663

ARNDT TRUST 17-28-16 1H

SHL: 225' FSL - 503' FWL (SECTION 8)
BHL: 150' FSL - 660' FWL (SECTION 17)

LOCATED IN THE SW/4 OF SECTION 8
T28N - R16W I.M.
WOODS COUNTY, OKLAHOMA



14201 WIRELESS WAY OKC, OK 73134

DWG DATE: 02/03/20	DRAWN BY: MDM	CHK'D BY: JWb
STAKED DATE: 02/04/20	FLS #: 20-0019	SHEET #: 1 OF 5
REV.	DWN.	DESCRIPTION