

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

API NUMBER: 151 24584

Approval Date: 11/25/2019

Expiration Date: 05/25/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 166 178

Lease Name: HESTER 17-27-17

Well No: 1H

Well will be 166 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

MARY F. HESTER REVOCABLE TRUST
1609 DALMATION DRIVE
SAN PEDRO CA 90732

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

Name	Depth	Name	Depth
1	MISSISSIPPI LIME	5665	6
2			7
3			8
4			9
5			10

Spacing Orders: 69461
69571

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905387

Special Orders:

Total Depth: 10600

Ground Elevation: 1754

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 590

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: 19-37087

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 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 17W County WOODS

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: 5000

Radius of Turn: 532

Direction: 186

Total Length: 4765

Measured Total Depth: 10600

True Vertical Depth: 5735

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/8/2019 - 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 - 201905387

11/25/2019 - GB1 - (E.O.) 17-27N-17W
X69461/69571 MSSLM
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
BCE-MACH LLC
REC. 11/18/2019 (NORRIS)

SPACING - 69461

11/25/2019 - GB1 - (640) 17-27N-17W
EXT 64457/68061 MSSLM, OTHERS

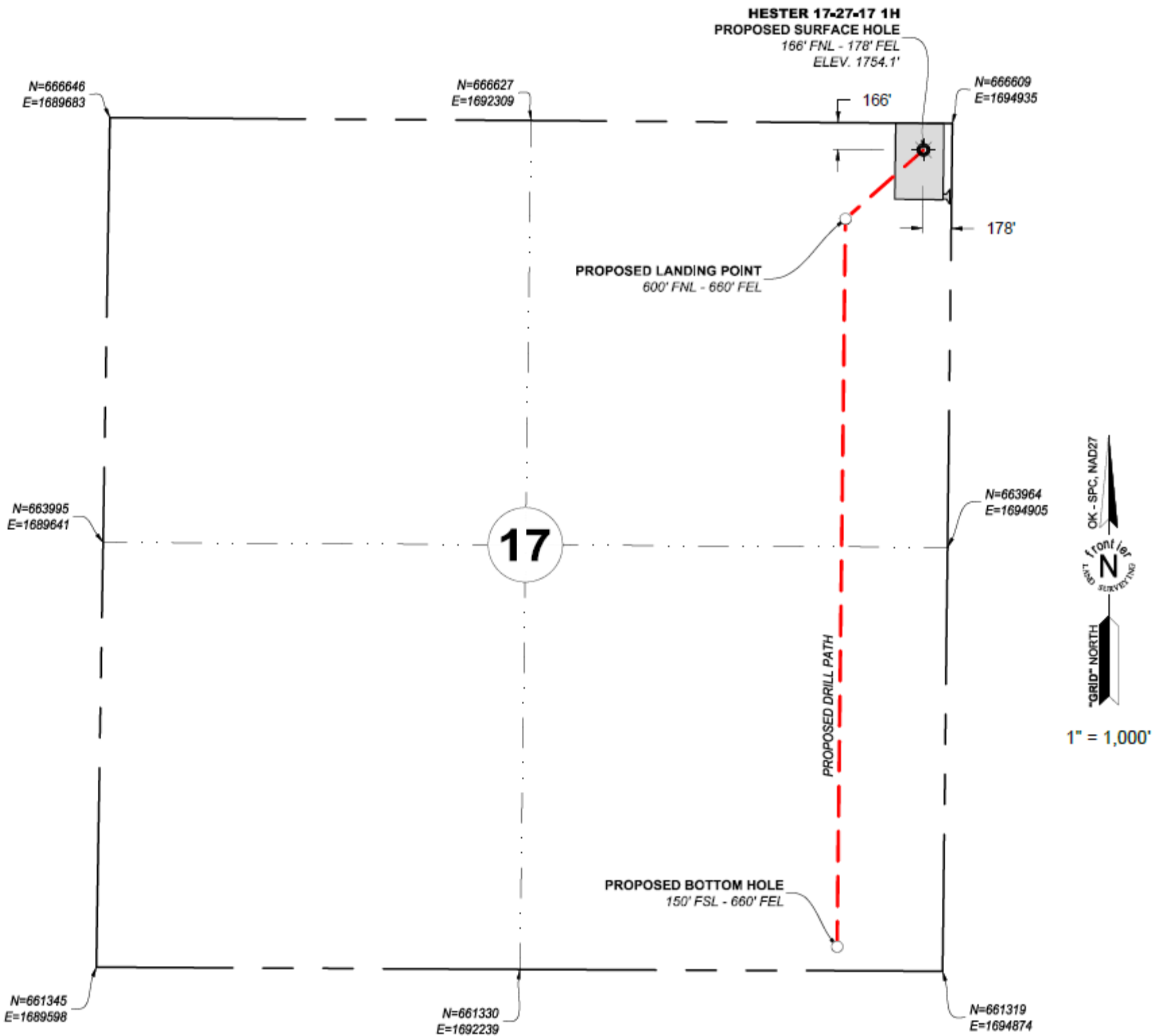
SPACING - 69571

11/25/2019 - GB1 - NPT PARAGRAPH 1 OF #69461 TO CORRECT ORDER EXT 64457 OSWG AND EXT 68061 CGGV, MSSLM, HNTN, VIOL, SMPSD, SMPs1

OPERATOR: **MACH RESOURCES**
LEASE NAME: **HESTER 17-27-17** WELL NO.: **1H**
SECTION: **17** TOWNSHIP: **27N** RANGE: **17W**
SURFACE HOLE FOOTAGE: **166' FNL - 178' FEL**
GROUND ELEVATION AT SURFACE HOLE: **1754.1'**
LANDING POINT FOOTAGE: **600' FNL - 660' FEL**
BOTTOM HOLE FOOTAGE: **150' FSL - 660' FEL**
SECTION: **17** TOWNSHIP: **27N** RANGE: **17W**

COUNTY: **WOODS** STATE: **OKLAHOMA**
ACCEPTABLE DRILL SITE? **YES**
TERRAIN: **LOCATION FELL IN A FIELD, SLOPING FROM SOUTH TO NORTH**
ACCESSIBILITY TO LOCATION: **FROM EAST LINE**
DIRECTIONS: **FROM THE INTERSECTION OF HWY 64 AND N2230 RD. HEAD NORTH ON N2230 RD 1.2 MILES THEN WEST INTO.**

API 151-24584

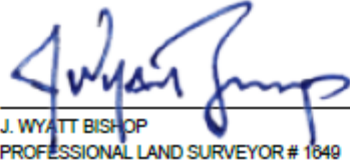


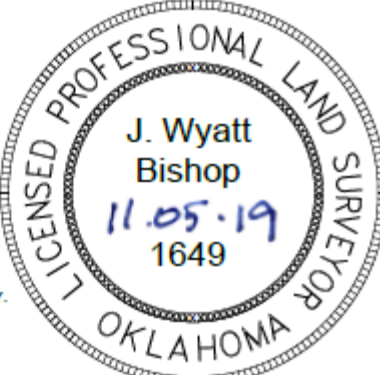
HESTER 17-27-17 1H

PROPOSED SURFACE HOLE
166' FNL - 178' FEL
LAT: 36.82627469
LONG: -99.04285919
N= 666444.5
E= 1694754.8

PROPOSED LANDING POINT
600' FNL - 660' FEL
LAT: 36.82507699
LONG: -99.04450683
N= 666013.7
E= 1694267.8

PROPOSED BOTTOM HOLE
150' FSL - 660' FEL
LAT: 36.81260239
LONG: -99.04451824
N= 661472.2
E= 1694215.6


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 NAVD83 VERTICALLY.

THE LOCATION OF EXISTING WELLS SHOWN ARE APPROXIMATE FROM OKLAHOMA CORPORATION COMMISSION DATA PROVIDED BY OTHERS.



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


311 N. MAIN STREET SELING, OK 73663
580 . 922 . 0356

HESTER 17-27-17 1H

SHL: 166' FNL - 178' FEL
BHL: 150' FSL - 660' FEL

LOCATED IN THE NE/4 OF SECTION 17
T27N - R17W I.M.
WOODS COUNTY, OKLAHOMA


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

DWG DATE: 11/4/19
STAKED DATE: 11/1/19
REV. DWN.

DRAWN BY: JPG
FLS #: 19-0178
DESCRIPTION

CHK'D BY: JWB
SHEET #: 1 OF 5
DATE: