

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

API NUMBER: 151 24586

Approval Date: 12/05/2019

Expiration Date: 06/05/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 28N Rge: 17W County: WOODS

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 408 293

Lease Name: POWERS 10-28-17

Well No: 1H

Well will be 293 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

BOBBIE JENE POWERS  
1825 MAPLE  
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPI	5660	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 122715

Location Exception Orders: 704664

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10605

Ground Elevation: 1972

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 500

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37008  
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 10 Twp 28N Rge 17W County WOODS

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5233

Radius of Turn: 538

Direction: 5

Total Length: 4527

Measured Total Depth: 10605

True Vertical Depth: 5735

End Point Location from Lease,

Unit, or Property Line: 150

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

11/20/2019 - 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)

LOCATION EXCEPTION - 704664  
(201904906)

12/5/2019 - G56 - (I.O.) 10-28N-17W  
X122715 MISS  
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
BCE-MACH LLC  
11/1/2019

SPACING - 122715

12/5/2019 - G56 - (640) 10-28N-17W  
EST OTHERS  
EXT OTHERS  
EXT 47686/97151 MISS, OTHERS

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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 24586 POWERS 10-28-17 1H

OPERATOR: MACH RESOURCES

LEASE NAME: POWERS 10-28-17

SECTION: 10

SURFACE HOLE FOOTAGE: 408' FSL - 293' FWL

GROUND ELEVATION AT SURFACE HOLE: 1972.10'

LANDING POINT FOOTAGE: 600' FSL - 660' FWL

BOTTOM HOLE FOOTAGE: 150' FNL - 660' FWL

SECTION: 10

WELL NO.: 1H

TOWNSHIP: 28N

RANGE: 17W

COUNTY: WOODS

ACCEPTABLE DRILL SITE? YES

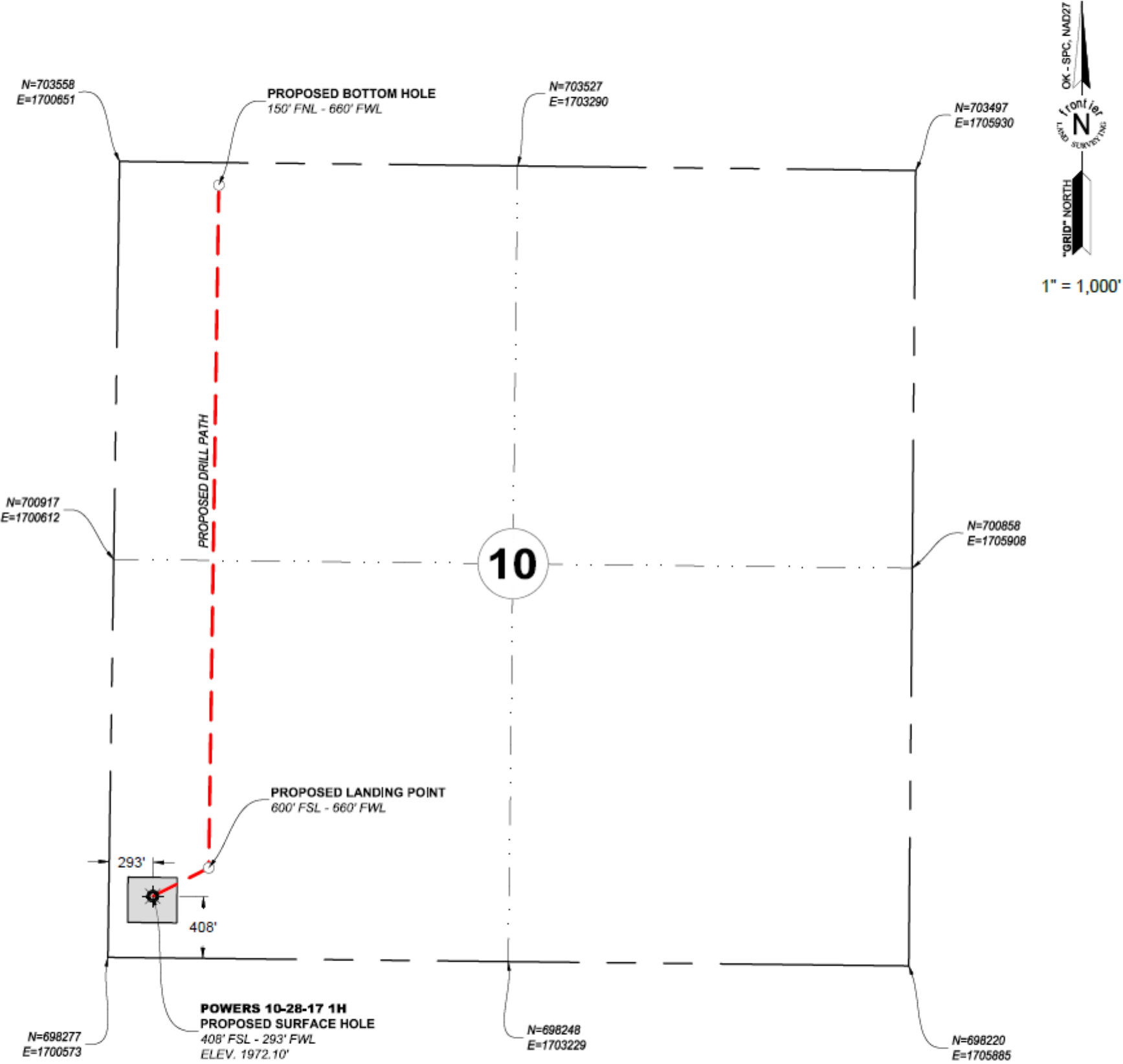
TERRAIN: LOCATION IN A FIELD, SLOPING SOUTHWEST TO NORTHEAST

ACCESSIBILITY TO LOCATION: FROM WEST LINE

DIRECTIONS: FROM THE INTERSECTION OF HIGHWAY 64 AND N2230 RD IN WOODS COUNTY, HEAD NORTH ON N2230 RD FOR 6.8 MILES THEN TURN EAST ONTO E0075 RD AND CONTINUE FOR 1.0 MILE THEN TURN NORTH ONTO N2240 RD FOR 0.5 MILES THEN TURN EAST INTO

STATE: OKLAHOMA

151-24586

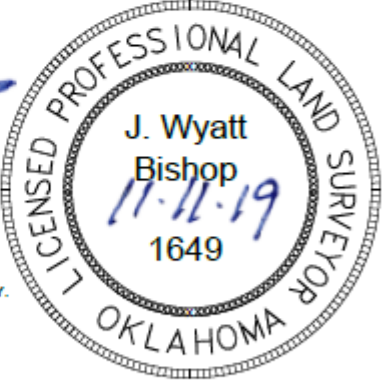


POWERS 10-28-17 1H

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

PROPOSED SURFACE HOLE	PROPOSED LANDING POINT	PROPOSED BOTTOM HOLE
408' FSL - 293' FWL LAT: 36.91499102 LONG: -99.02312514 N= 698682.0 E= 1700871.1	600' FSL - 660' FWL LAT: 36.91551709 LONG: -99.02186554 N= 698869.7 E= 1701241.4	150' FNL - 660' FWL LAT: 36.92796124 LONG: -99.02179951 N= 703400.1 E= 1701308.4

*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 , 285 , 0433  
600 W. 18th STREET EDMOND, OK 73010

FLS-Survey.com  
CA #7232 EXP: 6/30/20

ALLEGiant

Land Services & Consulting

311 N. MAIN STREET SELWING, OK 73663

POWERS 10-28-17 1H

SHL: 408' FSL - 293' FWL  
BHL: 150' FNL - 660' FWL

LOCATED IN THE SW/4 OF SECTION 10  
28N - 17W I.M.  
WOODS COUNTY, OKLAHOMA

MACH  
RESOURCES

14201 WIRELESS WAY OKC, OK 73134			405 , 252 , 8100		
DWG DATE:	11/4/19	DRAWN BY:	MDM	CHK'D BY:	JWB
STAKED DATE:	11/1/19	FLS #:	19-0152	SHEET #:	1 OF 5
REV.	DWN.	DESCRIPTION			DATE:
R1	MDM	RESTAKE			11/11/19