

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

API NUMBER: 011 24013

Approval Date: 05/16/2018

Expiration Date: 11/16/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 17N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 575 185

Lease Name: MOJO MAN

Well No: 1HX-1015

Well will be 185 feet from nearest unit or lease boundary.

Operator Name: MEP OPERATING LLC

Telephone: 7134521661

OTC/OCC Number: 24146 0

MEP OPERATING LLC
333 CLAY ST STE 2800
HOUSTON, TX 77002-4168

WAYNE POLLOCK, POLLOCK LAND & CATTLE LLC
P.O. BOX 667
CANTON OK 73724

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 666100
669069

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802717
201802718

Special Orders:

Total Depth: 20515

Ground Elevation: 1629

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 18-34443

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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

HORIZONTAL HOLE 1

Sec 15 Twp 17N Rge 12W County BLAINE

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 360

Depth of Deviation: 9365

Radius of Turn: 573

Direction: 182

Total Length: 10250

Measured Total Depth: 20515

True Vertical Depth: 10900

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

BOTTOM-HOLE LOCATION

5/11/2018 - G75 - 165' FSL, 360' FEL SE4 15-17N-12W PER STAKING PLAT

DEEP SURFACE CASING

5/9/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/9/2018 - 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: OCCWEB.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

INTERMEDIATE CASING

5/9/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

5/9/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

011 24013 MOJO MAN 1HX-1015

Category	Description
PENDING CD - 201802717	<p>5/11/2018 - G75 - (I.O.) 10 & 15-17N-12W EST MULTIUNIT HORIZONTAL WELL X666100 MSSP, OTHER 10-17N-12W X669069 MSSP, OTHER 15-17N-12W 50% 10-17N-12W 50% 15-17N-12W MILLENNIAL ENERGY PARTNERS ** REC 5-8-2018 (MILLER)</p> <p>** S/B MEP OP. LLC; CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201802718	<p>5/11/2018 - G75 - (I.O.) 10 & 15-17N-12W X666100 MSSP, OTHER 10-17N-12W X669069 MSSP, OTHER 15-17N-12W COMPL. INT. (10-17N-12W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (15-17N-12W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL MILLENNIAL ENERGY PARTNERS ** REC 5-8-2018 (MILLER)</p> <p>** S/B MEP OP. LLC; CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR</p>
SPACING - 666100	<p>5/11/2018 - G75 - (640)(HOR) 10-17N-12W VAC 172081 CSTR EXT 654667 MSSP, OTHER COMPL. INT. NLT 660' FB</p>
SPACING - 669069	<p>5/11/2018 - G75 - (640)(HOR) 15-17N-12W EXT 659319 MSSP, OTHERS POE TO BHL NCT 660' FB</p>
SURFACE LOCATION	<p>5/11/2018 - G75 - 575' FNL, 185' FEL NE4 10-17N-12W PER STAKING PLAT</p>

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

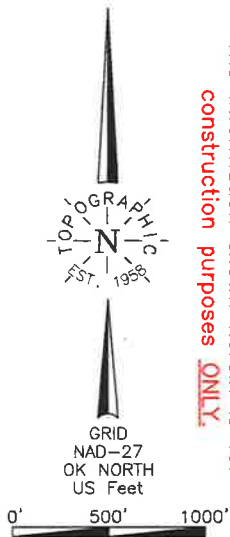
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

BLAINE

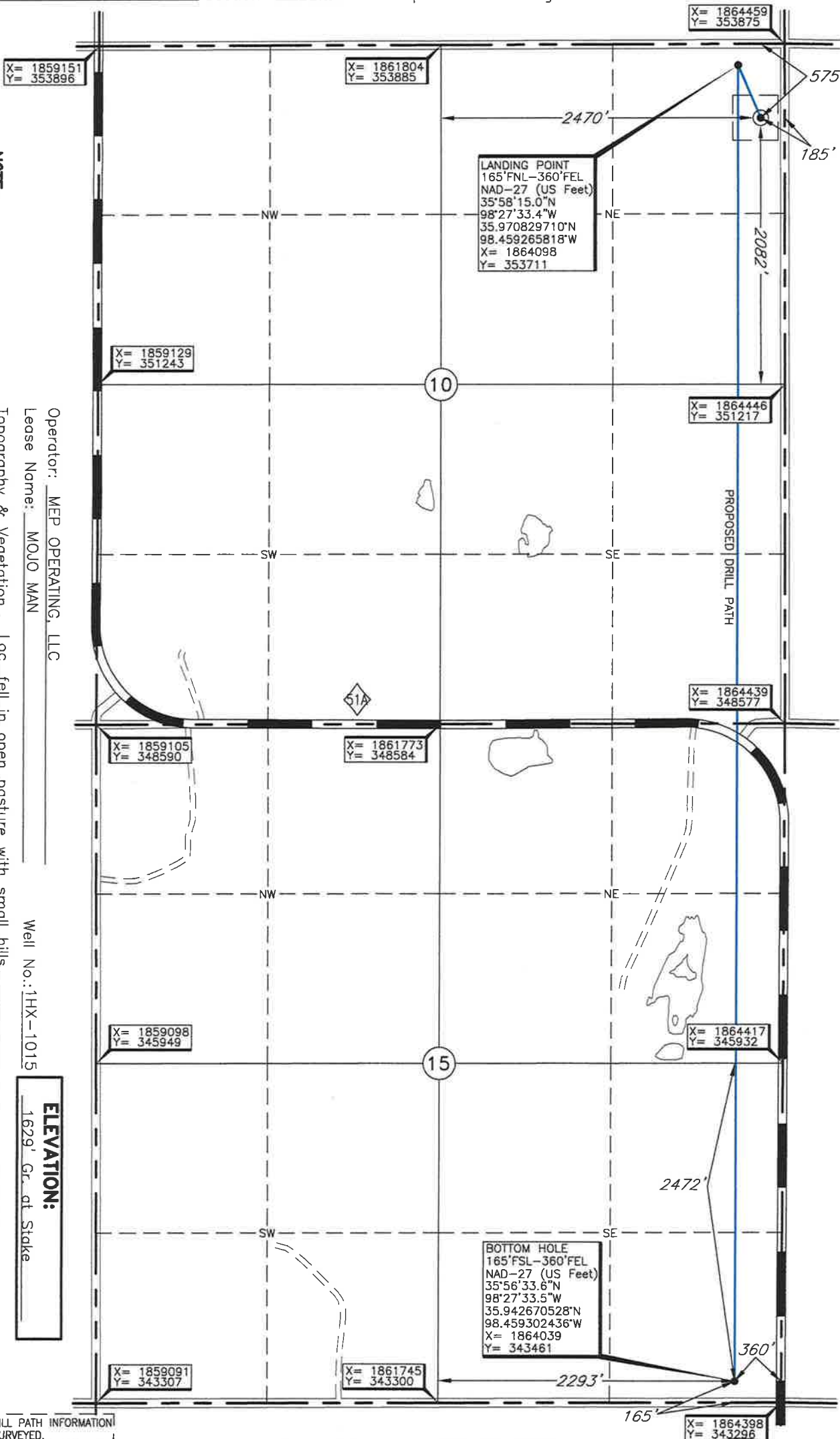
County, Oklahoma

API 011-24013

575'FNL-185'FEL Section 10 Township 17N Range 12W I.M.



NOTE:
The information shown herein is for construction purposes ONLY.



Operator: MEP OPERATING, LLC
Lease Name: MOJO MAN
Topography & Vegetation: Loc. fell in open pasture with small hills.
Well No.: 1HX-1015
ELEVATION: 1629' Gr. at Stake
Good Drill Site? Yes
Reference Stakes or Alternate Location: Stakes Set None
Best Accessibility to Location: From East off county road.
Distance & Direction: From the junction of St. Hwy. 8 and US Hwy 270, go North ±3.7 on St. Hwy. 8, then West ±2 miles onto St. Hwy. 51, then North for ±4 miles, then East ±0.1 mile towards N2550 RD. then North ±1 mile to the NE Cor. of Sec. 10-17N-12W.

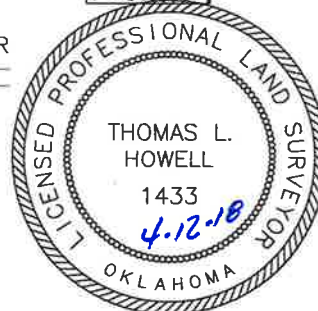
LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: Apr. 12, 2018
Invoice # 291759 Date Staked: Apr. 9, 2018 TR

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



DATUM: NAD-27
LAT: 35°58'10.9"N
LONG: 98°27'31.2"W
LAT: 35.969704030°N
LONG: 98.458674722°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1864271
Y: 353301