

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

API NUMBER: 003 23330

Approval Date: 08/17/2018

Expiration Date: 02/17/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 23N Rge: 10W

County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 180 2450

Lease Name: TREBUCHET 21-23N-10W

Well No: 1MH

Well will be 180 feet from nearest unit or lease boundary.

Operator Name: ARMOR ENERGY LLC

Telephone: 9189869459

OTC/OCC Number: 23921 0

ARMOR ENERGY LLC
4500 S GARNETT RD STE 250
TULSA, OK 74146-5203

JACK ADKINS
266177 E. 41 ROAD
RINGWOOD OK 73768

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	7200	6
2			7
3			8
4			9
5			10

Spacing Orders: 680682

Location Exception Orders: 680683

Increased Density Orders:

Pending CD Numbers: 201806676

Special Orders:

Total Depth: 13500

Ground Elevation: 1364

Surface Casing: 1050

Depth to base of Treatable Water-Bearing FM: 400

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: 80000 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: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35124

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 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.

HORIZONTAL HOLE 1

Sec 21 Twp 23N Rge 10W County MAJOR

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 7184

Radius of Turn: 875

Direction: 185

Total Length: 4941

Measured Total Depth: 13500

True Vertical Depth: 7200

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

Notes:

Category

Description

DEEP SURFACE CASING

8/9/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/9/2018 - 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: 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

LOCATION EXCEPTION - 680683

8/16/2018 - G57 - (E.O.) 21-23N-10W
X680682 MSSP

SHL (28-23N-10W) NCT 0' FNL, NCT 1320' FWL **
COMPL. INT. (21-23N-10W) NCT 165' FSL, NCT 165' FNL, NCT 1320' FWL ++
ARMOR ENERGY, LLC.
7-26-2018

**ITD HAS SHL 180' FSL, 2450' FWL 16-23N-10W; WILL BE CORRECTED AT THE HEARING FOR THE MERITS PER ATTORNEY FOR OPERATOR

++ ITD HAS LATERAL DRILLED IN OPPOSITE DIRECTION; WILL BE CORRECTED AT HEARING FOR THE MERITS PER ATTORNEY FOR OPERATOR

PENDING CD - 201806676

8/17/2018 - G57 - (E.O.) 21-23N-10W
X165:10-3-28(C)(2)(B) MSSP (TREBUCHET 21-23-10 1MH) MAY BE NCT 250' TO THE BECKER #1
ARMOR ENERGY, LLC.
HEARING 7-27-2018 (OK'D BY HULLINGER)

SPACING - 680682

8/16/2018 - G57 - (E.O.)(640)(HOR) 21-23N-10W
VAC 54686/61020/116088 MISS **
VAC 367843 MISS W2 NE4 **
EST MSSP, OTHER
POE TO BHL NCT 660' FB
ARMOR ENERGY, LLC.
7-26-2018

** S/B COEXIST SP. ORDER # 54686/61020 MSSLM N2 & SE4; ORDER # 116088 MSSLM SW4;
ORDER # 367843 MSSLM W2 NE4; ORDER # 82649 MNNG; WILL BE CORRECTED AT THE HEARING ON THE MERITS PER ATTORNEY FOR OPERATOR

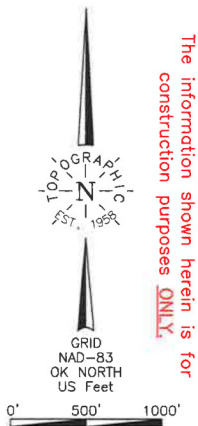
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

003 23330 TREBUCHET 21-23N-10W 1MH

ALFALFA County, Oklahoma
180'FSL - 2450'FWL Section 16 Township 23N Range 10W I.M.



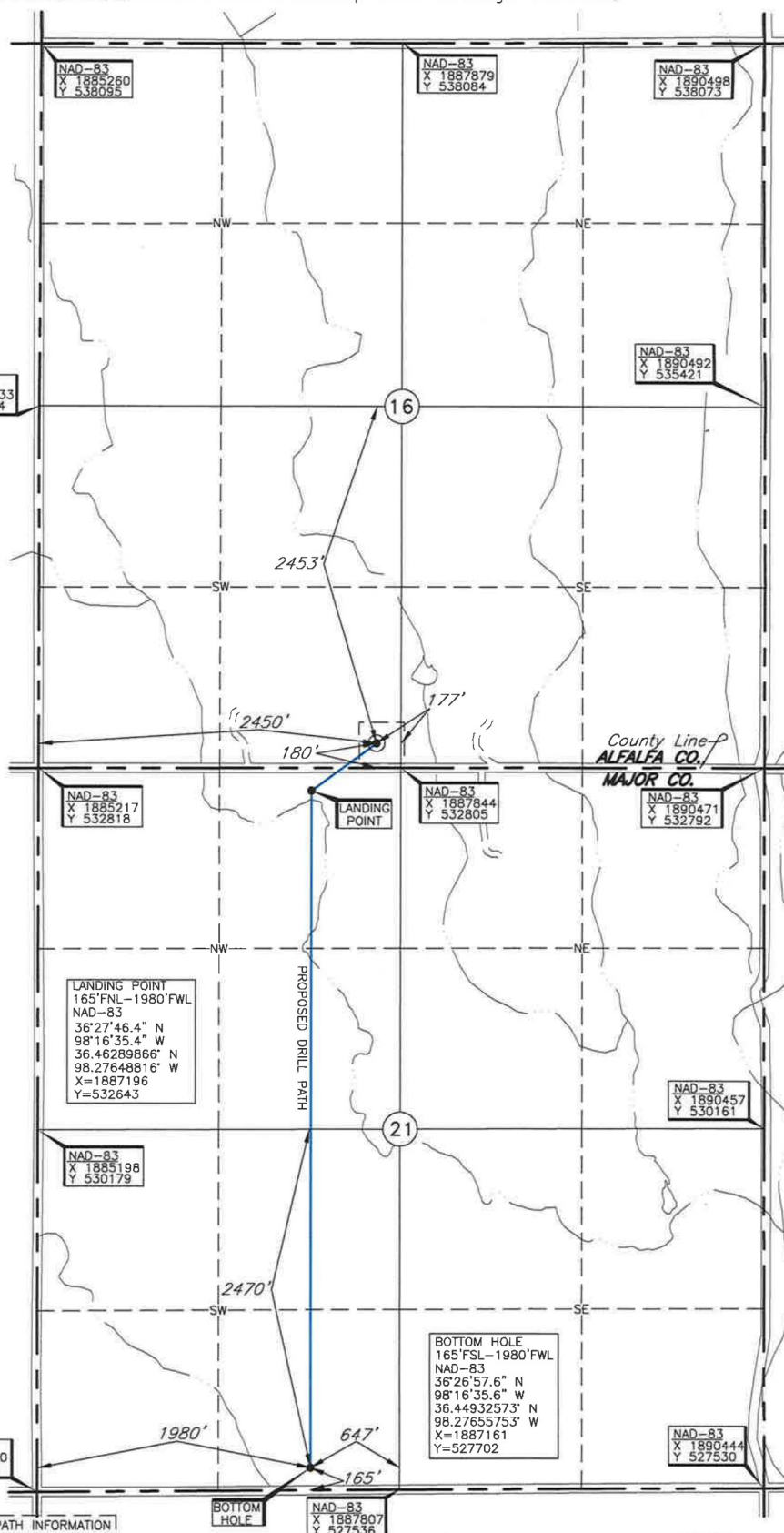
NOTE:
The information shown herein is for construction purposes ONLY.

Operator: ARMOR ENERGY
Lease Name: TREBUCHET 21-23N-10W

Well No.: 1MH
ELEVATION:
1364' Gr. at Stake (NAVD 88)

Topography & Vegetation Loc. fall in sloped hay field, under construction
Good Drill Site? Yes
Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South of county road
Distance & Direction From Hwy Jct or Town
From Helena, OK, go ±5.0 mi. South, then ±1.0 mi. West to the SW Cor. of Sec. 16-T23N-R10W



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

Date of Drawing: Aug. 03, 2018

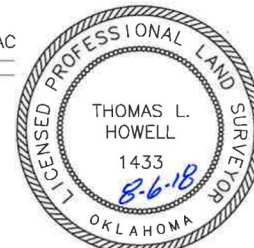
Invoice # 299982 Date Staked: Aug. 01, 2018

AC

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-83
LAT: 36°27'49.8"N
LONG: 98°16'29.6"W
LAT: 36.46384364° N
LONG: 98.27488514° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1887668
Y: 532986