

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

API NUMBER: 093 25115

Approval Date: 12/28/2017  
Expiration Date: 06/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 23N Rge: 10W County: MAJOR  
SPOT LOCATION:  NE  NE  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 270 1222

Lease Name: SWORDSPEAR Well No: 15-23-10 1MH Well will be 270 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

RUSSELL UNRUH  
1224 BRAYHILL ROAD  
EDMOND OK 73003

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: 613917

Location Exception Orders: 670267

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13500

Ground Elevation: 1368

**Surface Casing: 1050**

Depth to base of Treatable Water-Bearing FM: 420

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: 17-33606

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 15 Twp 23N Rge 10W County ALFALFA

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 6782

Radius of Turn: 1125

Direction: 355

Total Length: 4951

Measured Total Depth: 13500

True Vertical Depth: 7200

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

Notes:

Category

Description

DEEP SURFACE CASING

12/13/2017 - 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

12/13/2017 - 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)

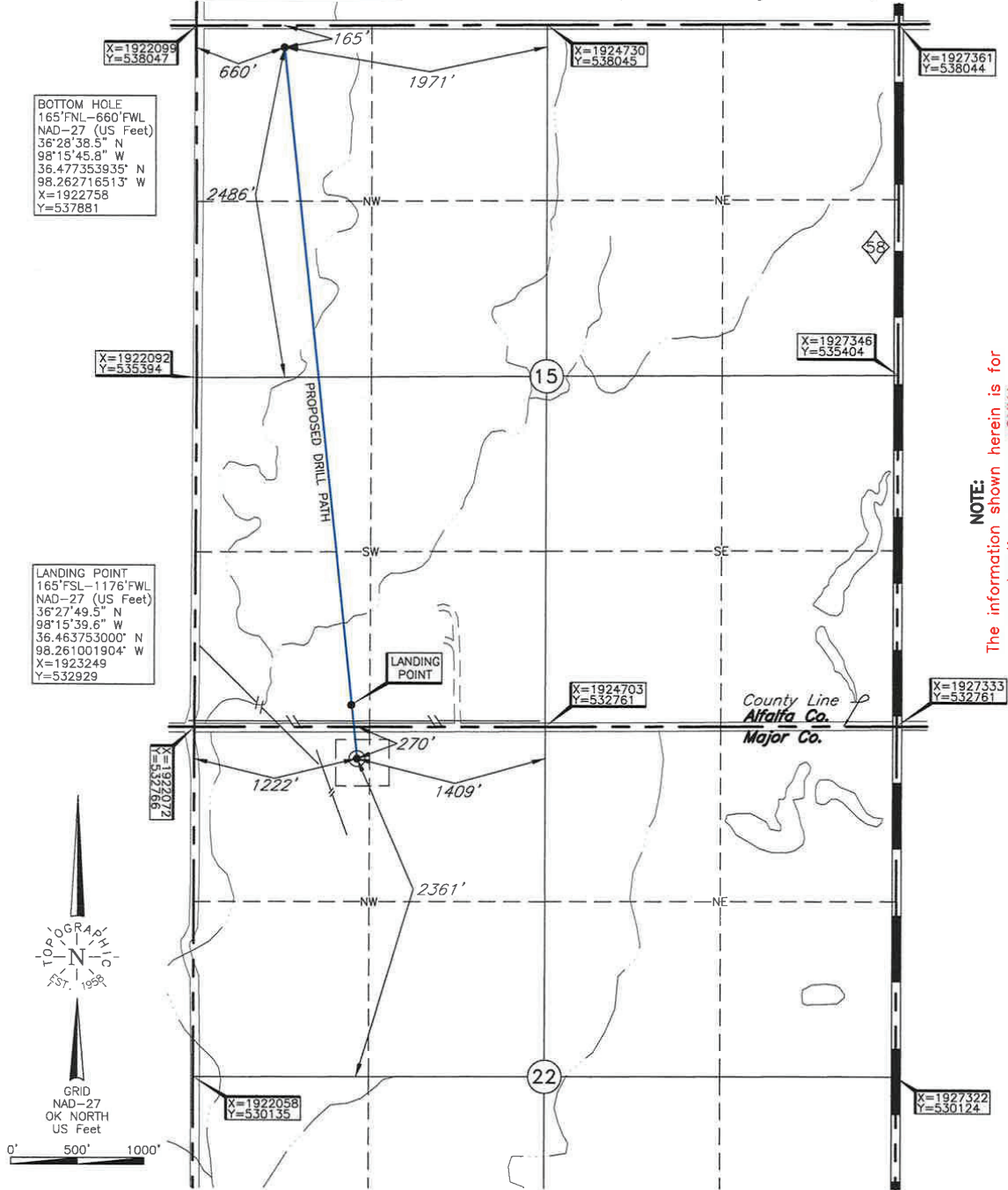
LOCATION EXCEPTION - 670267

12/27/2017 - G75 - (I.O.) 15-23N-10W  
X613917 MSSP  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
ARMOR ENERGY LLC  
11-20-2017

SPACING - 613917

12/27/2017 - G75 - (640)(HOR) 15-23N-10W  
EXT 603949/604760 MSSP  
COMPL. INT. NLT 660' FB  
(COEXIST SP. ORDER # 54686 MSSLM E2, E2 SW4 & ORDER # 82649 MNNG W2 E2;  
SUPERSEDE ORDER # 54686 MSSLM NW4, W2 SW4 & ORDER # 82649 MNNG W2, E2 E2)

270' FNL - 1222' FWL Section 22 Township 23N Range 10W I.M.



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

Operator: ARMOR ENERGY  
 Lease Name: SWORDSPEAR 15-23-10 Well No.: 1MH **ELEVATION:** 1368' Gr. at Stake  
 Topography & Vegetation Loc. fell in sloped terraced wheat field, ±256' NE of NW-SE pipeline  
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None  
 Best Accessibility to Location From South off county road  
 Distance & Direction from Hwy Jct or Town From Jct. St. Hwy. 58 N-S and US Hwy. 412 E-W, go ±5.0 mi. North on St. Hwy. 58, then ±1.0 mi. West to the NW Cor. of Sec. 22-T23N-R10W

This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy.

DATUM: NAD-27  
 LAT: 36°27'45.2" N  
 LONG: 98°15'39.1" W  
 LAT: 36.462558203" N  
 LONG: 98.260851310" W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1923292  
 Y: 532494

Revision  A Date of Drawing: Dec. 27, 2017  
 Invoice # 283689 Date Staked: Nov. 13, 2017 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

