

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

API NUMBER: 099 20670

Approval Date: 02/06/2019  
Expiration Date: 08/06/2020

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 1S Rge: 1E County: MURRAY  
SPOT LOCATION:  SW  NW  NW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 2133 2372

Lease Name: ROGERS Well No: 2-11 Well will be 153 feet from nearest unit or lease boundary.  
Operator Name: HUNTINGTON ENERGY LLC Telephone: 4058409876 OTC/OCC Number: 19961 0

HUNTINGTON ENERGY LLC  
908 NW 71ST ST  
OKLAHOMA CITY, OK 73116-7402

ROY ROGERS  
PO BOX 267  
DAVIS OK 73030

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

Name	Depth	Name	Depth
1 OIL CREEK	2500	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 679810

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4500

Ground Elevation: 967

**Surface Casing: 750**

Depth to base of Treatable Water-Bearing FM: 700

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 2000 Average: 600

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: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: SYLVAN/FERNSVALE/VIOL

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 19-36201

DIRECTIONAL HOLE 1

Sec 11 Twp 1S Rge 1E County MURRAY

Spot Location of End Point: SW NW NW SE

Feet From: SOUTH 1/4 Section Line: 2160

Feet From: EAST 1/4 Section Line: 2462

Measured Total Depth: 4500

True Vertical Depth: 4500

End Point Location from Lease,

Unit, or Property Line: 178

Notes:

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.

Category

Description

HYDRAULIC FRACTURING

1/29/2019 - 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)

SPACING - 679810

2/4/2019 - GB1 - (10) W2 NW4 SE4 11-1S-1E  
VAC 133964 OLCKU, OLKB  
EST OLCK

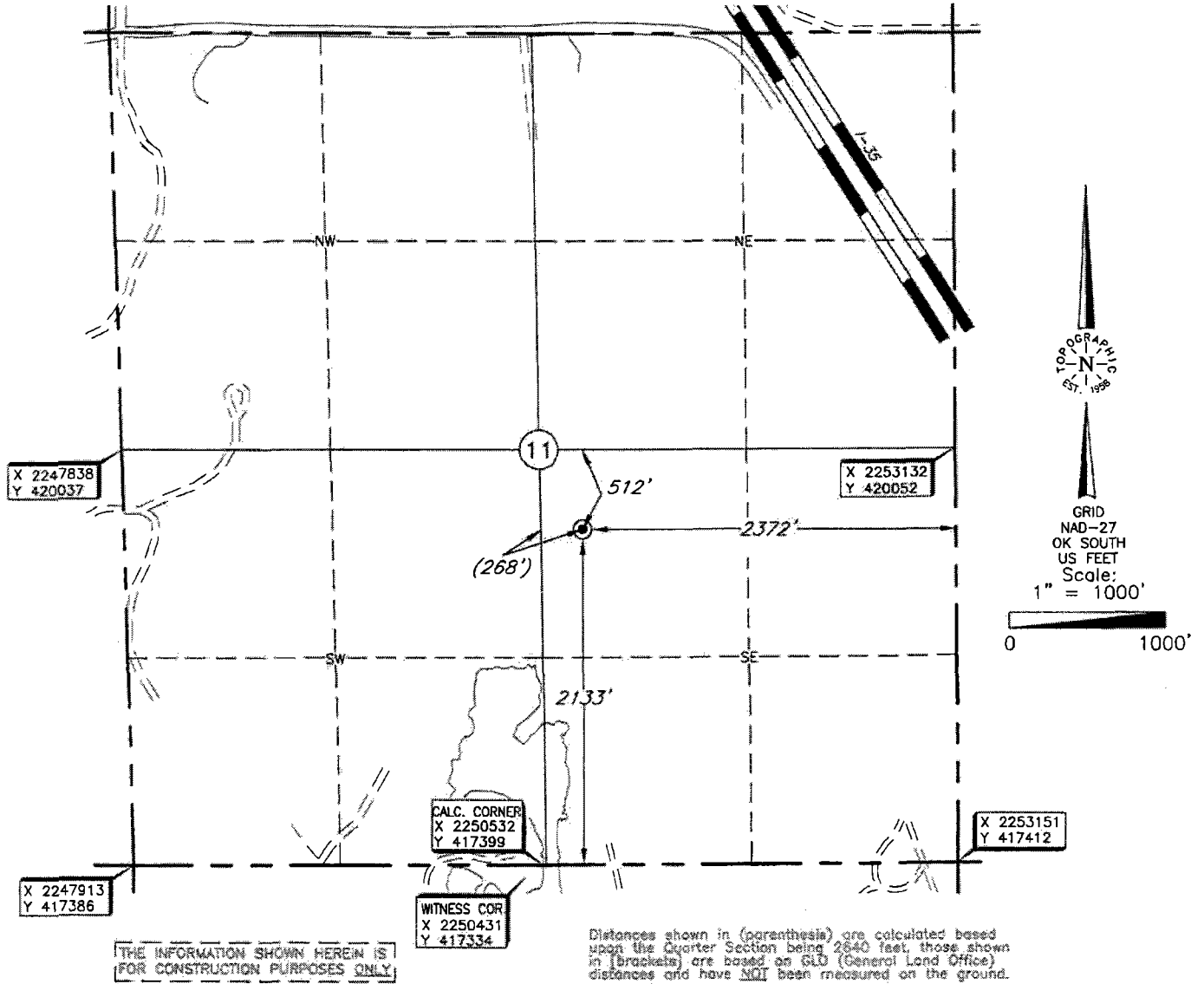
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

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

MURRAY

County, Oklahoma

2133'FSL-2372'FEL Section 11 Township 1S Range 1E I.M.



X 2247838  
Y 420037

X 2253132  
Y 420052

CALC. CORNER  
X 2250532  
Y 417399

X 2253151  
Y 417412

X 2247913  
Y 417386

WITNESS COR  
X 2250431  
Y 417334

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

Operator: HUNTINGTON ENERGY, LLC  
 Lease Name: ROGERS

Well No.: 2-11 **ELEVATION:** 967' Gr. at Stake

Topography & Vegetation Location fell on rolling hills, grassy rocks, and a small bluff.

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From E. Colbert Road at Pit entrance.

Distance & Direction from Hwy Jct or Town From Chickasaw Travel Stop head south on N. 3270 Road for ±1.0 mile toward OK-7W, turn left on E. Colbert Rd. for ±0.5 mile, turn right toward Zeleniak Dr for ±0.8 mile.

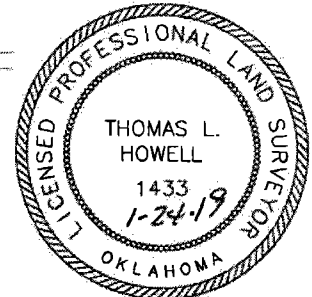
DATUM: NAD-27  
 LAT: 34°29'00.0" N  
 LONG: 97°10'04.4" W  
 LAT: 34.483340951° N  
 LONG: 97.167879878° W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK SOUTH  
 X: 2250764  
 Y: 419533

Date of Drawing: Jan. 24, 2019  
 Invoice # 311742 Date Staked: Jan. 23, 2019 ST

**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 Reg. No. 1433

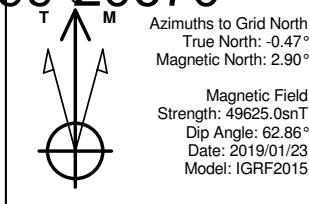


This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

# Huntington Energy

Project: Murray County (OK27S)  
 Site: Sec 11-T1S-R1E  
 Well: Rogers 2-11  
 Wellbore: Wellbore #1  
 Design: 01-28-19

35-099-20670



Azimuths to Grid North  
 True North: -0.47°  
 Magnetic North: 2.90°  
 Magnetic Field  
 Strength: 49625.0snT  
 Dip Angle: 62.86°  
 Date: 2019/01/23  
 Model: IGRF2015



## WELL DETAILS: Rogers 2-11

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	419533.00	2250764.00	34° 29' 0.032 N	97° 10' 4.374 W	

SHL: 2133' FSL / 2372' FEL  
 BHL 2160' FSL / 2462' FEL

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	850.0	0.00	0.00	850.0	0.0	0.0	0.00	0.00	0.0	
3	1206.0	7.12	285.78	1205.1	6.0	-21.3	2.00	285.78	22.1	
4	1649.2	7.12	285.78	1644.9	20.9	-74.1	0.00	0.00	77.0	
5	2005.2	0.00	0.00	2000.0	26.9	-95.4	2.00	180.00	99.1	
6	4505.2	0.00	0.00	4500.0	26.9	-95.4	0.00	0.00	99.1	Rogers 2-11 TGT

## Wellbore Targets

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Rogers 2-11 TGT	4500.0	26.9	-95.4	419559.95	2250668.61	Point

## ANNOTATIONS

TVD	MD	Annotation
850.0	850.0	KOP - 2/100
1205.1	1206.0	Begin Hold
1644.9	1649.2	Drop 2/100
1755.1	1760.0	1755.1' TVD
2000.0	2005.2	Hold to TD
4500.0	4505.2	TD at 4505.2

