

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

API NUMBER: 051 24251

Approval Date: 01/17/2018

Expiration Date: 07/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 9N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 445 253

Lease Name: FREDRECKA 24-9-7

Well No: 1H

Well will be 253 feet from nearest unit or lease boundary.

Operator Name: JONES ENERGY LLC

Telephone: 5123282953

OTC/OCC Number: 21043 0

JONES ENERGY LLC
807 LAS CIMAS PKWY STE 350
AUSTIN, TX 78746-6193

GENEVA L. BOYER, TRUSTEE
1717 COUNTY ROAD 1240
TUTTLE OK 73089

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11048	6	
2	WOODFORD	11548	7	
3			8	
4			9	
5			10	

Spacing Orders: 671011

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700848

Special Orders:

Total Depth: 16208

Ground Elevation: 1221

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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: 5000 Average: 3000

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: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

PERMIT NO: 17-33608

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 24 Twp 9N Rge 7W County GRADY

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 10520

Radius of Turn: 477

Direction: 178

Total Length: 4938

Measured Total Depth: 16208

True Vertical Depth: 11548

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

Notes:

Category

Description

DEEP SURFACE CASING

12/11/2017 - 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

12/11/2017 - 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; 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 - 201700848

12/18/2017 - G57 - (I.O.) 24-9N-7W
X671011 MSSP, WDFD, OTHER
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
NO OP. NAMED
REC 1-16-2018 (NORRIS)

MEMO

12/11/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

051 24251 FREDRECKA 24-9-7 1H

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
SPACING - 671011	12/18/2017 - G57 - (640)(HOR) 24-9N-7W VAC OTHERS VAC 153950 MSSLM EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

JONES Well Location Plat

S.H.L. Sec. 13-9N-7W I.M.
B.H.L. Sec. 24-9N-7W I.M.

Operator: JONES ENERGY, LTD.

Lease Name and No.: FREDRECKA 24-9-7 1H

API: 051 24251

Footage: 445' FSL - 253' FWL Gr. Elevation: 1221'

Section: 13 Township: 9N Range: 7W I.M.

County: Grady State of Oklahoma

Terrain at Loc.: Location fell in a wide, open pasture with elevation dropping off to the Southeast.



All bearings shown
are geoscientific bearings
unless noted.

0' 660' 1320' 1980'

1" = 1320'

GPS DATUM

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°14'53.97"N

Lon: 97°53'58.20"W

X: 2030009

Y: 696925

Entry Point:

Lat: 35°14'47.93"N

Lon: 97°53'57.29"W

X: 2030085

Y: 696314

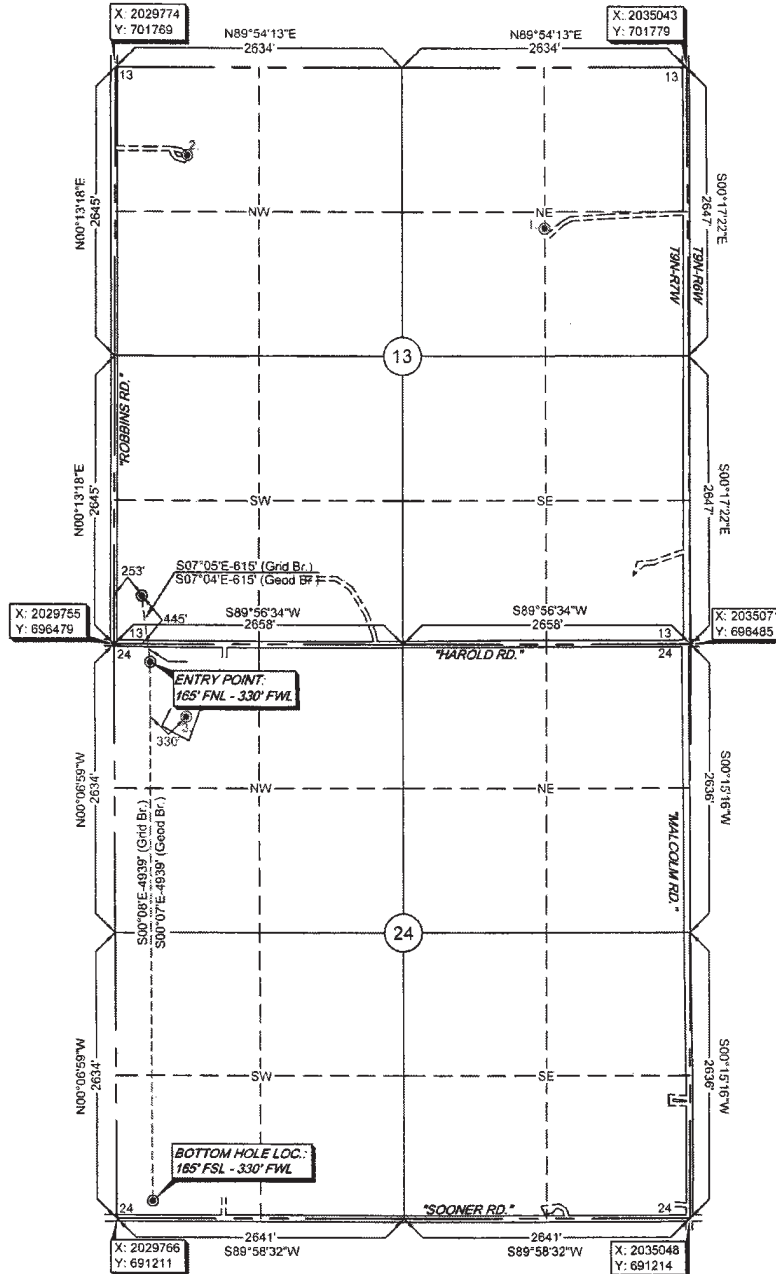
Bottom Hole Loc.:

Lat: 35°13'59.09"N

Lon: 97°53'57.22"W

X: 2030096

Y: 691376



Please note that this location was taken on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of the survey is not guaranteed. Please contact the Surveyor for more information. GPS data was collected and used for this survey. GPS data was collected from a GPS receiver and not a GPS receiver. NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed on the ground, and further, does NOT represent a true Boundary Survey. Qualified Section Distances may be determined from a correct true Boundary Survey. This plat is a true and correct copy of the original survey. The Surveyor's name, title, and any other information relevant to the survey, and any other information relevant to the survey, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No.: 5348

Expires June 30, 2018

Invoice #7495-A

Date Staked: 11/14/17

By: J.L.

Date Drawn: 11/16/17

By: P.B.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

11/21/17

OK LPLS 1664

