

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

API NUMBER: 017 25158

Approval Date: 01/11/2018

Expiration Date: 07/11/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 12N Rge: 5W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2340 2000

Lease Name: GADWALL 31-30-12-5

Well No: 1HX

Well will be 2000 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

MATTHEW CHARLES MACH  
13600 NW 10TH STREET  
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8408	6	
2	WOODFORD	8633	7	
3	HUNTON	8763	8	
4			9	
5			10	

Spacing Orders: 662308

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706918  
201706919  
201706921

Special Orders:

Total Depth: 16223

Ground Elevation: 1362

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 1330

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 17-33640

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 30 Twp 12N Rge 5W County CANADIAN

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2200

Depth of Deviation: 8029

Radius of Turn: 477

Direction: 2

Total Length: 7444

Measured Total Depth: 16223

True Vertical Depth: 8763

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/20/2017 - 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)

MEMO

12/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201706918

12/22/2017 - G57 - (640)(HOR) 30-12N-5W  
EXT 662308 MSSP, WDFD, HNTN  
POE TO BHL (MSSP, HNTN) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL  
(COEXIST SP. ORDER #160509, #157730)  
REC 11-28-2017 (MINMIER)

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.

017 25158 GADWALL 31-30-12-5 1HX

Category	Description
PENDING CD - 201706919	12/22/2017 - G57 - (I.O.) 31 & 30-12N-5W EST MULTIUNIT HORIZONTAL WELL X662308 MSSP, WDFD, HNTN 31-12N-5W X201706918 MSSP, WDFD, HNTN 30-12N-5W (MSSP, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 33% 31-12N-5W 67% 30-12N-5W JONES ENERGY, LLC. REC 11-28-2017 (MINMIER)
PENDING CD - 201706921	12/22/2017 - G57 - (I.O.) 31 & 30-12N-5W X662308 MSSP, WDFD, HNTN 31-12N-5W X201706918 MSSP, WDFD, HNTN 30-12N-5W SHL 2340' FNL, 2000' FWL COMPL. INT. (31-12N-5W) NCT 2640' FNL, NCT 0' FNL, NCT 2200' FWL ** COMPL. INT. (30-12N-5W) NCT 0' FSL, NCT 165' FNL, NCT 2200' FWL NO OP. NAMED REC 11-28-2017 (MINMIER)  **S/B NCT 2640' FNL, NCT 0' FNL, NCT 2200' FWL; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR
SPACING - 662308	12/22/2017 - G57 - (640)(HOR) 31-12N-5W EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #124017)
SURFACE HOLE LOCATION	12/22/2017 - G57 - SURFACE HOLE LOCATION 298' FSL, 2000' FWL CHANGED TO 2340' FNL, 2000'FWL PER STAKING PLAT

# JONES ENERGY Well Location Plat

S.H.L. Sec. 31-12N-5W I.M.  
B.H.L. Sec. 30-12N-5W I.M.

Operator: JONES ENERGY, LTD.

Lease Name and No. : GADWALL 31-30-12-5 1HX

API: 017 25158

Footage : 2340' FNL - 2000' FWL GR. ELEVATION : 1362'

Section: 31 Township: 12N Range: 5W I.M.

County : Canadian State of Oklahoma

Terrain at Loc. : Location fell in an open field.

ALL BEARINGS  
SHOWN HEREON ARE  
GEODETIC UNLESS  
OTHERWISE NOTED



0' 660' 1320' 1980'

1"=1320'

GPS DATUM  
NAD 27

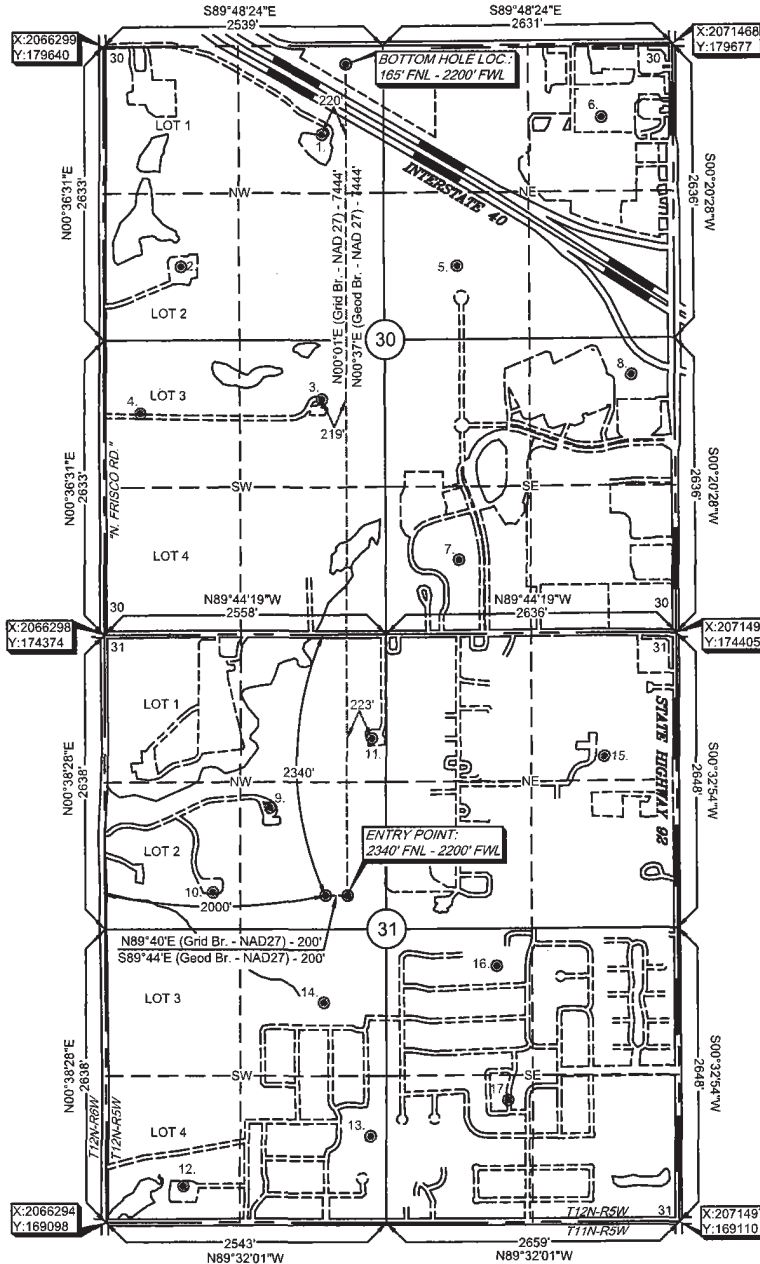
OK SOUTH ZONE

Surface Hole Loc.:  
Lat: 35°28'20.71"N  
Lon: 97°46'14.34"W  
X: 2068296  
Y: 172046

Entry Point:  
Lat: 35°28'20.71"N  
Lon: 97°46'11.92"W  
X: 2068496  
Y: 172047

Bottom Hole Loc.:  
Lat: 35°29'34.33"N  
Lon: 97°46'11.68"W  
X: 2068499  
Y: 179491

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed if any inconsistency is determined. Proportional distances may be assumed from a Government Survey Plat or assumed at a proportional distance from adjoining section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, 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

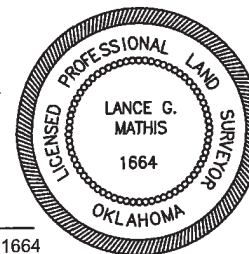
## Certification:

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

07/11/17

OK LPLS 1664



Invoice #7100-A-A

Date Staked: 06/30/17

By: C.K.

Date Drawn: 07/06/17

By: J.H.