

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

API NUMBER: 017 24976

Approval Date: 02/22/2017
Expiration Date: 08/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 12N Rge: 7W

County: CANADIAN

SPOT LOCATION: SW SW SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 285 310

Lease Name: BOMHOFF 20-12-7

Well No: 2H

Well will be 285 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

VERNON LEE AND JOYCE J BOMHOFF
401 TEXAS STREET
WEATHERFORD OK 73096

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	10084	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders: 661099

Increased Density Orders:

Pending CD Numbers: 201605904

Special Orders:

Total Depth: 14898

Ground Elevation: 1417

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 370

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: DOG CREEK

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

PERMIT NO: 17-32173

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: DOG CREEK

HORIZONTAL HOLE 1

Sec 20 Twp 12N Rge 7W County CANADIAN

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1150

Depth of Deviation: 9713

Radius of Turn: 477

Direction: 5

Total Length: 4436

Measured Total Depth: 14898

True Vertical Depth: 10441

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

Notes:

Category

Description

DEEP SURFACE CASING

2/14/2017 - 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

FORMATIONS AND BOTTOM HOLE LOCATION

2/17/2017 - G60 - REMOVED WOODFORD AND HUNTON AND UPDATED BHL PER OPERATOR

HYDRAULIC FRACTURING

2/14/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

LOCATION EXCEPTION - 661099

2/17/2017 - G60 - (E.O.) 20-12N-7W
X201605904 MSSP
SHL 310' FWL, 285' FSL
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 430' FWL
NOSLEY SCOOP, LLC. NOSLEY ACQUISITION, LLC, AND JONES ENERGY, LLC.
2/16/17

MEMO

2/14/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201605904

2/17/2017 - G60 - (640)(HOR) 20-12N-7W
EST MSSP, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 147489 MSSP)
REC. 1/23/17 (THOMAS)

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.

017 24976 BOMHOFF 20-12-7 2H

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.

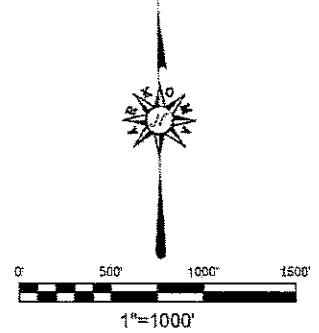
JONES

Well Location Plat

Sec. 20-12N-7W I.M.

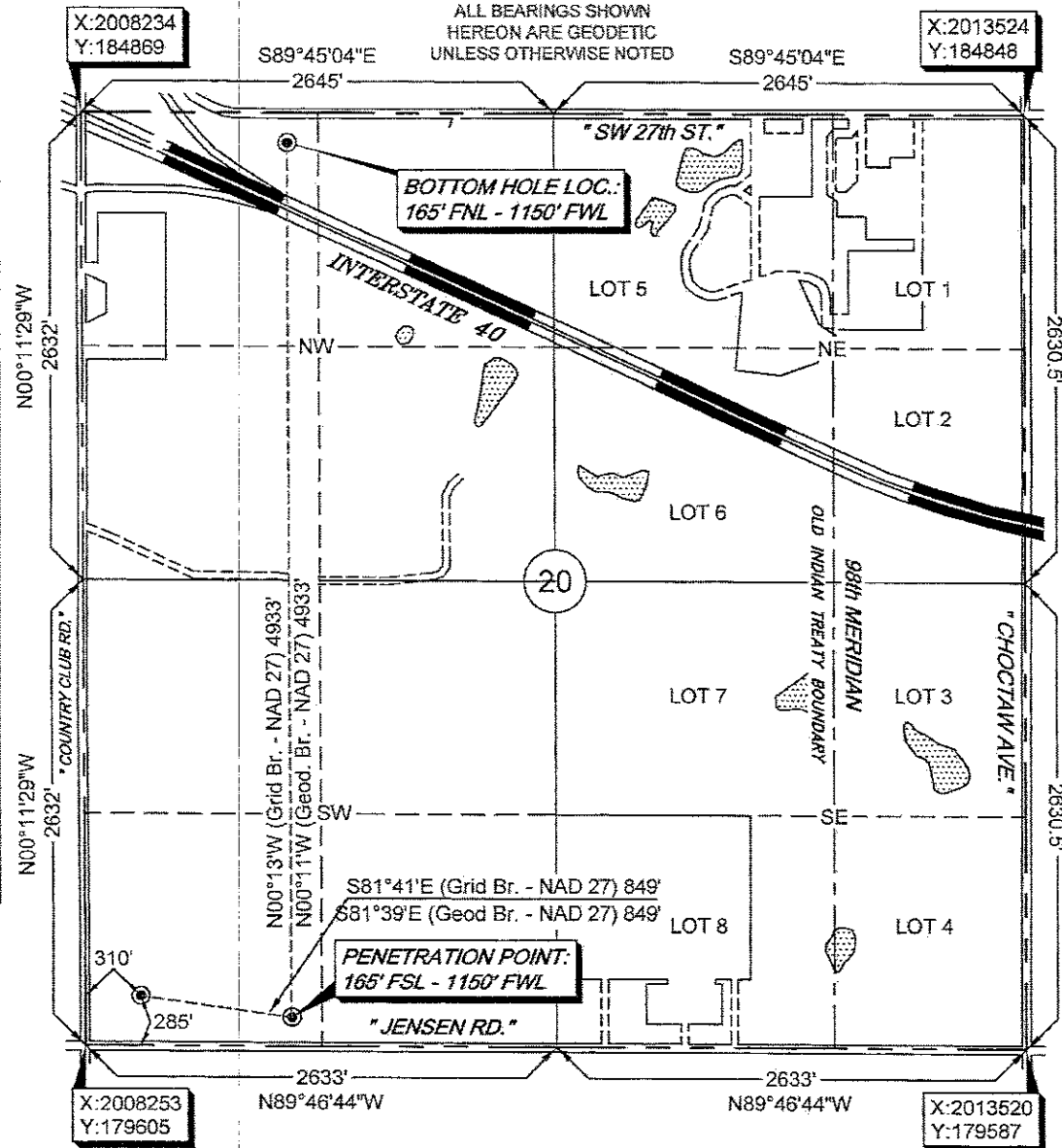
Operator : JONES ENERGY, LTD.
 Lease Name and No. : BOMHOFF 20-12N-7W 2H
 Footage : 285' FSL - 310' FWL GR. ELEVATION : 1417' Good Site? YES
 Section : 20 Township : 12N Range : 7W I.M.
 County : Canadian State of Oklahoma 3501724976
 Alternate Loc. : N/A
 Terrain at Loc. : Location fell in a flat, cultivated field.

Accessibility : From the North.
 Directions : From the junction of Interstate 40 & "Country Club Rd." (Exit 123) in El Reno, OK, go 1.0 mile South on "Country Club Rd." to the Southwest Corner of Section 20-12N-7W.



GPS DATUM
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°29'39.03"N
Lon: 97°58'16.46"W
X: 2008562
Y: 179889
Penetration Point:
Lat: 35°29'37.84"N
Lon: 97°58'06.30"W
X: 2009403
Y: 179766
Bottom Hole Loc.:
Lat: 35°30'26.63"N
Lon: 97°58'06.50"W
X: 2009384
Y: 184699

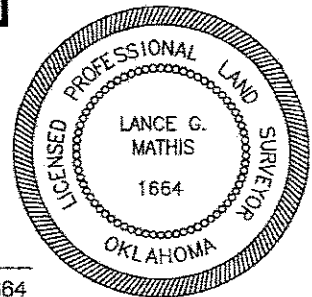


Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

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. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportional distance from opposing section corners, or occupation thereof, and may not have been measured 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 02/15/17
 LANCE G. MATHIS OK LPLS 1664

Invoice #6803-A-B
 Date Staked: 01/24/17 By: C.K.
 Date Drawn: 01/30/17 By: K.M.
 Revised Lease Name: 01/31/17 By: R.S.
 Revised Penetration Point & BHL: 02/15/17 By: R.S.