

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

API NUMBER: 063 24616

Approval Date: 09/20/2016  
Expiration Date: 03/20/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 8N Rge: 11E County: HUGHES  
SPOT LOCATION:  SW  NE  NE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 2167 2105

Lease Name: LENING Well No: 3-30/19H Well will be 2105 feet from nearest unit or lease boundary.

Operator Name: BRAVO ARKOMA LLC Telephone: 9188944440; 9188944 OTC/OCC Number: 23562 0

BRAVO ARKOMA LLC  
1323 E 71ST ST STE 400  
TULSA, OK 74136-5067

GAYLAND W. LENING & EILEEN L. LENING REV TRUST  
2992A N. 383 ROAD  
WETUMKA OK 74883

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

Name	Depth	Name	Depth
1 WOODFORD	4550	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603636  
201603637  
201603638  
201603645  
201603646

Special Orders:

Total Depth: 11520 Ground Elevation: 857 Surface Casing: 300 Depth to base of Treatable Water-Bearing FM: 250

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: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: CALVIN

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31615

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: WATER BASED

Chlorides Max: 8000 Average: 5000

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: CALVIN

PIT 3 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: CALVIN

HORIZONTAL HOLE 1

Sec 19 Twp 8N Rge 11E County HUGHES

Spot Location of End Point: SW NE NW NW

Feet From: NORTH 1/4 Section Line: 600

Feet From: WEST 1/4 Section Line: 720

Depth of Deviation: 3108

Radius of Turn: 431

Direction: 345

Total Length: 7735

Measured Total Depth: 11520

True Vertical Depth: 4757

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

Notes:

Category

Description

HYDRAULIC FRACTURING

9/16/2016 - 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.

MEMO

9/16/2016 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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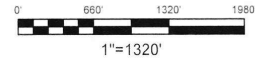
Category	Description
PENDING CD - 201603636	9/16/2016 - G64 - (640)(HOR) 19 & 30-8N-11E EST WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NCT 330' FEL & FWL REC. 9-12-2016 (MCKEOWN)
PENDING CD - 201603637	9/16/2016 - G64 - (I.O.) 19 & 30-8N-11E EST MULTIUNIT HORIZONTAL WELL X201603636 WDFD, OTHERS 28% 30-8N-11E 72% 19-8N-11E NO OP. NAMED REC. 9-12-2016 (MCKEOWN)
PENDING CD - 201603638	9/16/2016 - G64 - (I.O.) 19 & 30-8N-11E X201603636 WDFD, OTHERS SHL NCT 1935' FNL, NCT 2075' FWL COMPL. INT. (30-8N-11E) NFT 2000' FNL, NCT 0' FNL, NCT 440' FWL COMPL. INT. (19-8N-11E) NCT 0' FSL, NCT 165' FNL, NCT 440' FWL NO OP. NAMED REC. 9-12-2016 (MCKEOWN)
PENDING CD - 201603645	9/16/2016 - G64 - (I.O.) 19-8N-11E X201603636 WDFD 3 WELLS NO OP. NAMED REC. 9-12-2016 (MCKEOWN)
PENDING CD - 201603646	9/16/2016 - G64 - (I.O.) 30-8N-11E X201603636 WDFD 7 WELLS NO OP. NAMED REC. 9-12-2016 (MCKEOWN)

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# BNR Well Location Plat

S.H.L. Sec. 30-8N-11E I.M.  
B.H.L. Sec. 19-8N-11E I.M.

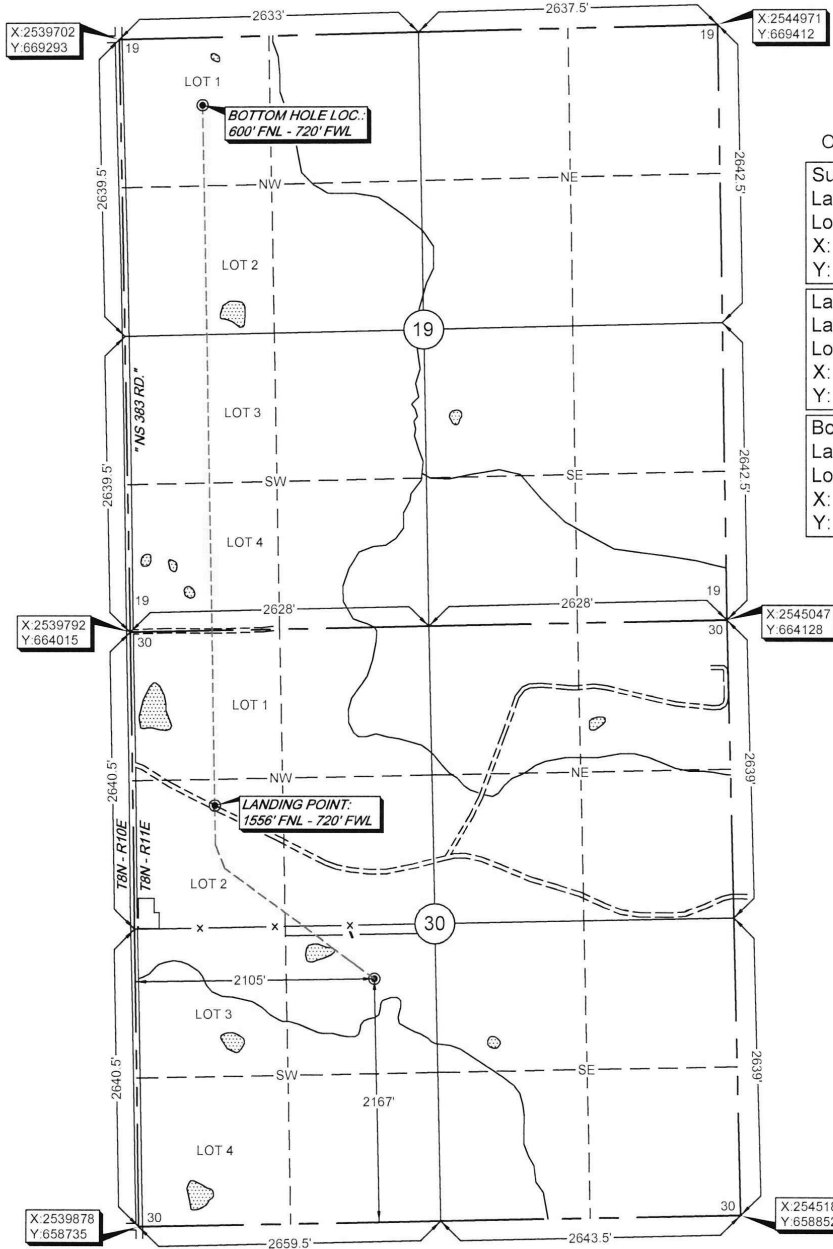
Operator : BRAVO NATURAL RESOURCES  
Lease Name and No. : LENING 3-30/19H  
Footage : 2167' FSL - 2105' FWL GR. ELEVATION : 857' Good Site? YES  
Section : 30 Township : 8N Range : 11E I.M.  
County : Hughes State of Oklahoma  
Alternate Loc. : N/A  
Terrain at Loc. : Location fell in pasture with scattered timber.



Accessibility : From the South.  
Directions : From the junction of U.S. Hwy 270 & U.S. Hwy 75 in Horntown, OK, go 3.0 miles North on Hwy 75, go 3.0 miles East on "EW 130 Rd.," go 0.8 mile North on "NS 383 Rd." to the entrance of existing Enable lease road on East side of road.

## API: 063 24616

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate 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.



GPS DATUM  
NAD 27  
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°08'10.15"N
Lon: 96°11'14.66"W
X: 2541947
Y: 660948

Landing Point:
Lat: 35°08'25.51"N
Lon: 96°11'31.30"W
X: 2540537
Y: 662475

Bottom Hole Loc.:
Lat: 35°09'27.17"N
Lon: 96°11'31.23"W
X: 2540432
Y: 668709

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.

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 August 31, 2018

Invoice #6574-B-C  
Date Staked : 09/02/16 By : H.S.  
Date Drawn : 09/06/16 By : J.H.  
Added LP/BHL : 09/13/16 By : J.H.

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* 09/14/16  
**LANCE G. MATHIS** OK LPLS 1664

