

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

API NUMBER: 029 21337

Approval Date: 08/02/2016
Expiration Date: 08/02/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 1N Rge: 11E County: COAL
SPOT LOCATION: NW SW NE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1861 1045

Lease Name: PISTOL Well No: 1-9/16H Well will be 1045 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

BRAVO ARKOMA
1323 EAST 71ST STREET, SUITE 400
TULSA OK 74136

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

	Name	Depth	Name	Depth
1	CANEY	9929	6	
2	WOODFORD	10247	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602918
201602913
201602914
201602919

Special Orders:

Total Depth: 21082 Ground Elevation: 638 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 210

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: MCALESTER

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.

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

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 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: MCALESTER

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 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: MCALESTER

HORIZONTAL HOLE 1

Sec 16 Twp 1N Rge 11E County COAL

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 10000

Radius of Turn: 900

Direction: 185

Total Length: 9668

Measured Total Depth: 21082

True Vertical Depth: 10642

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

Notes:

Category	Description
DEEP SURFACE CASING	8/1/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	8/1/2016 - 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/ 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.

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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
MEMO	8/1/2016 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT;
PENDING CD - 201602913	8/1/2016 - G75 - (E.O.)(640)(HOR) 9-1N-11E EST CNEY, WDFD, OTHERS COMPL. INT. (CNEY) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL BRAVO ARKOMA, LLC REC 7-26-2016 (JOHNSON)
PENDING CD - 201602914	8/1/2016 - G75 - (E.O.)(640)(HOR) 16-1N-11E EST CNEY, WDFD, OTHERS COMPL. INT. (CNEY) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL BRAVO ARKOMA, LLC REC 7-26-2016 (JOHNSON)
PENDING CD - 201602918	8/1/2016 - G75 - (E.O.) 9 & 16-1N-11E EST MULTIUNIT HORIZONTAL WELL X201602913 CNEY, WDFD, OTHERS 9-1N-11E X201602914 CNEY, WDFD, OTHERS 16-1N-11E (CNEY ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 9-1N-11E 50% 16-1N-11E BRAVO ARKOMA, LLC REC 7-26-2016 (JOHNSON)
PENDING CD - 201602919	8/1/2016 - G75 - (E.O.) X201602913 CNEY, WDFD, OTHERS 9-1N-11E X201602914 CNEY, WDFD, OTHERS 16-1N-11E SHL (4-1N-11E) NCT 1800 FSL, NCT 1235 FEL ** COMPL. INT. (9-1N-11E) NCT 165 FNL, NCT 0 FSL, NCT 1650 FEL COMPL. INT. (16-1N-11E) NCT 0 FNL, NCT 165 FSL, NCT 1650 FEL BRAVO ARKOMA, LLC REC 7-26-2016 (JOHNSON)
	** ITD HAS SHL AS 1045' FEL 4-1N-11E; TO BE CORRECTED AT HEARING FOR THE FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR

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

perm tex 2/2/17
Surety ex 9/15/17
operator #23562

January 26, 2017

Oklahoma Corporation Commission
Oil & Gas Division
P.O. Box 52000
Oklahoma City, OK 73152-2000

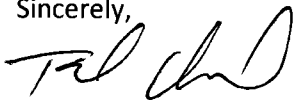
Re: Pistol 1-9/16H
Sec. 4-1N-11E
Coal County, OK
API# 029-21337

Dear Ms. Hullinger,

Bravo Arkoma LLC respectfully requests a six month extension on the approved permit for the above well. All information included in the permit remains the same. We understand the extension will be granted for only one six-month period and once that period has elapsed, the permit and fee must be re-filed.

If you have any questions, or require additional information please call or email me.

Sincerely,



Tyler Harold
Bravo Natural Resources
tharold@bravonr.com
1(918)-894-4481

Approved for 6 Month
Extension From
2-2-17
2-2-17 *JA*

RECEIVED

JAN 30 2017

OKLAHOMA CORPORATION
COMMISSION