

Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165: 10-3-25

Form 1002A

API No.: 35029213290001

**Completion Report**

Spud Date: June 25, 2016

OTC Prod. Unit No.: 029-217963

Drilling Finished Date: July 29, 2016

1st Prod Date: October 13, 2016

**Amended**

Completion Date: October 11, 2016

Amend Reason: DID NOT RUN OPEN HOLE LOGS / CORRECT BOTTOM HOLE LOCATION

**Drill Type: HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: WARD 2-33/4H

Purchaser/Measurer: MARKWEST

Location: COAL 33 2N 11E  
NE NE NW NE  
246 FNL 1395 FEL of 1/4 SEC  
Latitude: 34.606794 Longitude: -96.149172  
Derrick Elevation: 0 Ground Elevation: 605

First Sales Date: 10/13/2016

Operator: BRAVO ARKOMA LLC 23562

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

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	660858		651615	
	Commingled			651748	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20			40			SURFACE
SURFACE	9 5/8	36	J-55	993		490	SURFACE
PRODUCTION	5 1/2	23	P-110	21215		3124	8294

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
There are no Liner records to display.								

**Total Depth: 21237**

Packer	
Depth	Brand & Type
There are no Packer records to display.	

Plug	
Depth	Plug Type
There are no Plug records to display.	

Initial Test Data
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Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut-In Pressure	Choke Size	Flow Tubing Pressure
Oct 24, 2016	WOODFORD			6953		3192	FLOWING		62/64	

#### Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

#### Spacing Orders

Order No	Unit Size
546135	640
551741	640
660912	MULTIUNIT

#### Perforated Intervals

From	To
10992	21112

#### Acid Volumes

35,774 GALLONS 15% HCL
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#### Fracture Treatments

471,912 BARRELS, 8,200,829 POUNDS 40/70, 836,819 POUNDS 100 MESH
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Formation	Top
WOODFORD	10536

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

#### Other Remarks

There are no Other Remarks.

#### Lateral Holes

Sec: 4 TWP: 1N RGE: 11E County: COAL

SW SE SE SE

75 FSL 445 FEL of 1/4 SEC

Depth of Deviation: 10084 Radius of Turn: 702 Direction: 180 Total Length: 10182

Measured Total Depth: 21237 True Vertical Depth: 10520 End Pt. Location From Release, Unit or Property Line: 75

#### FOR COMMISSION USE ONLY

1135723

Status: Accepted

API NO. 029-21329  
OTC PROD. 029217963  
UNIT NO.

PLEASE TYPE OR USE BLACK INK ONLY  
NOTE:

Attach copy of original 1002A  
if recompletion or reentry.

OKLAHOMA CORPORATION COMMISSION  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165:10-3-25

RECEIVED

JAN 20 2017

OKLAHOMA CORPORATION  
COMMISSION

Form 1002A  
Rev. 2009

☐ ORIGINAL  
☒ AMENDED (Reason)

Did not run open hole logs

COMPLETION REPORT

TYPE OF DRILLING OPERATION

☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE  
☐ SERVICE WELL

If directional or horizontal, see reverse for bottom hole location.

COUNTY	Coal	SEC	33	TWP	2N	RGE	11E
LEASE NAME	Ward	WELL NO.	2-33/4H				
NE 1/4	NE 1/4	NW 1/4	NE 1/4	FNL OF 1/4 SEC	246	FEL OF 1/4 SEC	1395
ELEVATION	Ground	605	Latitude (if known)	34.606794	Longitude (if known) -96.149172		
OPERATOR NAME	Bravo Arkoma, LLC			OTC/OCC OPERATOR NO.	23562		
ADDRESS	1323 East 71st Street, Suite 400						
CITY	Tulsa	STATE	OK	ZIP	74136		

SPUD DATE 6/25/16  
DRLG FINISHED DATE 7/29/16  
DATE OF WELL COMPLETION 10/11/16  
1st PROD DATE 10/13/16  
RECOMP DATE  
Longitude (if known) -96.149172

640 Acres


LOCATE WELL

COMPLETION TYPE

☒ SINGLE ZONE  
☐ MULTIPLE ZONE  
Application Date  
COMINGLED  
Application Date  
LOCATION  
EXCEPTION ORDER  
INCREASED DENSITY  
ORDER NO. 651615, 651748

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	20"			40'			Surface
SURFACE	9 5/8"	36#	J-55	993'		490	Surface
INTERMEDIATE							
PRODUCTION	5 1/2"	23#	P-110	21,215'		3124	8294
LINER							

PACKER @ \_\_\_\_\_ BRAND & TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_  
PACKER @ \_\_\_\_\_ BRAND & TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_

TOTAL DEPTH 21,237

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford	551741 F.O.				
SPACING & SPACING ORDER NUMBER	551741 (640)	546135 (640)	652257 (Multiwell)			
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas					
PERFORATED INTERVALS	21,112'-20,939'	20,760'-20,586'	20,490'-20,295'	20,225'-20,035'	19,970'-19,732'	19,668'-19,493'
	19,439'-19,178'	19,102'-18,800'	18,675'-18,480'	13,504'-13,246'	13,185'-13,005'	12,955'-12,762'
	12,690'-12,455'	12,385'-12,170'	12,036'-11,818'	11,750'-11,448'	11,395'-11,252'	11,195'-10,992'
ACID/VOLUME	35,774gal	15% HCl				
FRACTURE TREATMENT (Fluids/Prop Amounts)	471,912 bbls	8,200,829 lbs of	40/70	836,819 lbs of	100 mesh	

Min Gas Allowable (165:10-17-7)

Gas Purchaser/Measurer

MarkWest

☒

OR

First Sales Date

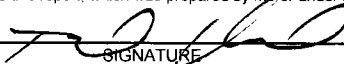
10/13/2016

INITIAL TEST DATA

INITIAL TEST DATE	10/24/2016
OIL-BBL/DAY	
OIL-GRAVITY (API)	
GAS-MCF/DAY	6953
GAS-OIL RATIO CU FT/BBL	
WATER-BBL/DAY	3192
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	
CHOKE SIZE	62/64
FLOW TUBING PRESSURE	

AS SUBMITTED

A record of the formations drilled through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge and belief.

  
SIGNATURE  
1323 East 71st St, Suite 400  
ADDRESS  
Tulsa  
CITY  
OK  
STATE  
74136  
ZIP  
1/17/2017  
DATE  
918-894-4481  
PHONE NUMBER  
tharold@bravonr.com  
EMAIL ADDRESS

## FORMATION RECORD

LEASE NAME Ward WELL NO. 2-33/4H

NAMES OF FORMATIONS	TOP
Woodford	10,536

FOR COMMISSION USE ONLY	
ITD on file	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPROVED	DISAPPROVED
<div>2) Reject Codes</div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>	

Were open hole logs run?             yes      X   no

Date Last log was run      \_\_\_\_\_

Was CO<sub>2</sub> encountered?             yes      X   no    at what depths? \_\_\_\_\_

Was H<sub>2</sub>S encountered?             yes      X   no    at what depths? \_\_\_\_\_

Were unusual drilling circumstances encountered?             yes      X   no

If yes, briefly explain below

Other remarks:

640 Acres

**If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.**

Direction must be stated in degrees azimuth.  
Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.

640 Acres

**BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE**

SEC	TWP	RGE	COUNTY			
Spot Location				Feet From 1/4 Sec Lines	FSL	FWL
1/4	1/4	1/4	1/4			
Measured Total Depth		True Vertical Depth		BHL From Lease, Unit, or Property Line:		

**BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)**

LATERAL #1										Per Final G.L. 66-101																									
SEC	4	TWP	1N	RGE	11E	COUNTY				Coal				75				445																	
Spot Location		SW 1/4		SE 1/4		SE 1/4		SE 1/4		Feet From 1/4 Sec Lines				FSL		100		FEL		444															
Depth of Deviation				10,084				Radius of Turn				702				Direction				180				Total Length				10,182							
Measured Total Depth						21,237						True Vertical Depth						10,520						BHL From Lease, Unit, or Property Line:						100 75					

### LATERAL #2

SEC	TWP	RGE	COUNTY			
Spot Location				Feet From 1/4 Sec Lines	FSL	FWL
1/4	1/4	1/4	1/4			
Depth of Deviation		Radius of Turn	Direction	Total Length		
Measured Total Depth		True Vertical Depth	BHL From Lease, Unit, or Property Line:			

**LATERAL #3**

SEC	TWP	RGE	COUNTY			
Spot Location				Feet From 1/4 Sec Lines	FSL	FWL
1/4	1/4	1/4	1/4			
Depth of Deviation		Radius of Turn	Direction	Total Length		
Measured Total Depth		True Vertical Depth	BHL From Lease, Unit, or Property Line:			