

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.: 35029213740000

**Completion Report**

Spud Date: June 30, 2018

OTC Prod. Unit No.: 029-225487-0-0000

Drilling Finished Date: December 11, 2018

1st Prod Date: March 28, 2019

Completion Date: March 15, 2019

**Drill Type:** HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: SANDERS 1-30/31/6H

Purchaser/Measurer: TARGA

Location: COAL 30 2N 10E  
SW NW SE NW  
1850 FNL 1600 FWL of 1/4 SEC  
Latitude: 34.616557 Longitude: -96.2961707  
Derrick Elevation: 759 Ground Elevation: 736

First Sales Date: 03/28/2019

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	683570		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20			40			SURFACE
SURFACE	9 5/8	40	J-55	1018		310	SURFACE
PRODUCTION	5 1/2	23	P-110	15813		1670	5747

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

**Total Depth: 15836**

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
Apr 28, 2019	WOODFORD	27	46.7	3265	120926	444	FLOWING	969	128/64	137

<b>Completion and Test Data by Producing Formation</b>	
Formation Name: WOODFORD	Code: 319WDFD
Class: GAS	

Spacing Orders	
Order No	Unit Size
680386	640
683569	MULTIUNIT

Perforated Intervals	
From	To
8112	15719

Acid Volumes	
45,000 GALLONS 15% HCL	

Fracture Treatments	
250,278 BARRELS FRAC WATER, 8,222,940 POUNDS 40/70 SAND, 10,140 POUNDS 100 MESH SAND	

Formation	Top
WOODFORD	7617

Were open hole logs run? No  
Date last log run:

Were unusual drilling circumstances encountered? No  
Explanation:

<b>Other Remarks</b>
OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED NEITHER THE FINAL LOCATION EXCEPTION NOR THE FINAL MULTIUNIT ORDERS HAVE BEEN SUBMITTED.

<b>Lateral Holes</b>
<div>Sec: 31 TWP: 2N RGE: 10E County: COAL</div> <div>SW   SW   SW   SW</div> <div>67 FSL   387 FWL of 1/4 SEC</div> <div>Depth of Deviation: 7186 Radius of Turn: 684 Direction: 177 Total Length: 8720</div> <div>Measured Total Depth: 15836 True Vertical Depth: 7247   End Pt. Location From Release, Unit or Property Line: 67</div>

<b>FOR COMMISSION USE ONLY</b>	
Status: Accepted	1143068

API NO. 3502921374  
OTC PROD. UNIT NO. 029225487

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

JUN 07 2019

OKLAHOMA CORPORATION  
COMMISSION

640 Acres

☒ ORIGINAL  
☐ AMENDED (Reason)

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	30	TWP	02N	RGE	10E
LEASE NAME	Sanders			WELL NO.	I-30/31		
SW 1/4 NW 1/4 SE 1/4 NW 1/4	FNL OF 1/4 SEC 1850			FWL OF 1/4 SEC	1600		
ELEVATION N Derrick	759	Ground	736	Latitude (if known)	34.616557		
OPERATOR NAME	Bravo Arkoma, LLC			OTC/OCC OPERATOR NO.	23562		
ADDRESS	1323 East 71st Street, Suite 400						
CITY	Tulsa		STATE	OK	ZIP	74136	

COMPLETION TYPE

<input checked="" type="checkbox"/> SINGLE ZONE	
<input type="checkbox"/> MULTIPLE ZONE	
Application Date	
<input type="checkbox"/> COMMINGLED	
Application Date	
LOCATION EXCEPTION ORDER NO.	683570 <i>IO</i>
INCREASED DENSITY ORDER NO.	

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	40	J-55	1018		310	Surface
INTERMEDIATE							
PRODUCTION	5 1/2	23	P-110	15813		1670	5747
LINER							

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

TOTAL DEPTH 15,836

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford	<i>IO</i>				
SPACING & SPACING ORDER NUMBER	680386 (640)	683569 (MU)				
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas					
PERFORATED INTERVALS	8,112' - 15,719'					
ACID/VOLUME	45,000 gal	15% HCl				
FRACTURE TREATMENT (Fluids/Prop Amounts)	250,278 bbls	8,222,940 lbs	10,140 lbs			
	<i>Frac Water</i>	<i>40/70 Sand</i>	<i>100mesh Sand</i>			

*Reported to Fac Focus*

☒ Min Gas Allowable (165:10-17-7)  
OR  
☐ Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer  
First Sales Date

TARGA  
3/28/2019

INITIAL TEST DATA

INITIAL TEST DATE	4/28/2019
OIL-BBL/DAY	27
OIL-GRAVITY ( API)	46.7
GAS-MCF/DAY	3265
GAS-OIL RATIO CU FT/BBL	120926
WATER-BBL/DAY	444
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	969
CHOKE SIZE	128/64
FLOW TUBING PRESSURE	137

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.

Tyler Harold

NAME (PRINT OR TYPE)

5/24/19

DATE

918-894-4481

PHONE NUMBER

1323 East 71st St, Suite 400

Tulsa

OK

74136

tharold@bravonr.com

ADDRESS

CITY

STATE

ZIP

EMAIL ADDRESS

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	TOP
Woodford	7,617

FOR COMMISSION USE ONLY	
ITD on file <input style="width: 50px; height: 20px;" type="checkbox"/> YES <input style="width: 50px; height: 20px;" type="checkbox"/> NO	
APPROVED _____ DISAPPROVED _____	2) Reject Codes _____ _____ _____ _____ _____

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

A blank 10x10 grid with a thick border. The top-left cell is labeled 'x' and the top-right cell is labeled 'y'.

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

A blank 10x10 grid for drawing a picture. The grid is composed of 10 columns and 10 rows of squares. A thick vertical line runs down the center, separating the grid into two 5x10 halves. A thick horizontal line runs across the middle, separating the grid into two 10x5 halves. The intersection of these lines is in the center of the grid.

**BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE**

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

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

**LATERAL #1**

SEC 31	TWP 02N	RGE 10E	COUNTY	COAL		
Spot Location				Feet From 1/4 Sec Lines		
SW 1/4	SW 1/4	SW 1/4	SW 1/4	FSL	67	FWL 387
Depth of Deviation 7,186		Radius of Turn 684		Direction 177	Total Length	8,720
Measured Total Depth 15,836		True Vertical Depth 7,247		BHL From Lease, Unit, or Property Line: 67		

**LATERAL #2**

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



# Well Location Plat - As-Drilled

S.H.L. Sec. 30-2N-10E I.M.  
B.H.L. Sec. 31-2N-10E I.M.

Operator: BRAVO NATURAL RESOURCES, LLC  
Lease Name and No.: SANDERS 1-30/31H  
Footage: 1850' FNL - 1600' FWL Gr. Elevation: 736'  
Section: 30 Township: 2N Range: 10E I.M.  
County: Coal State of Oklahoma  
Terrain at Loc.: Location fell in timber.



All bearings shown  
are grid bearings.



1" = 1320'

GPS DATUM  
NAD 27  
OK SOUTH ZONE

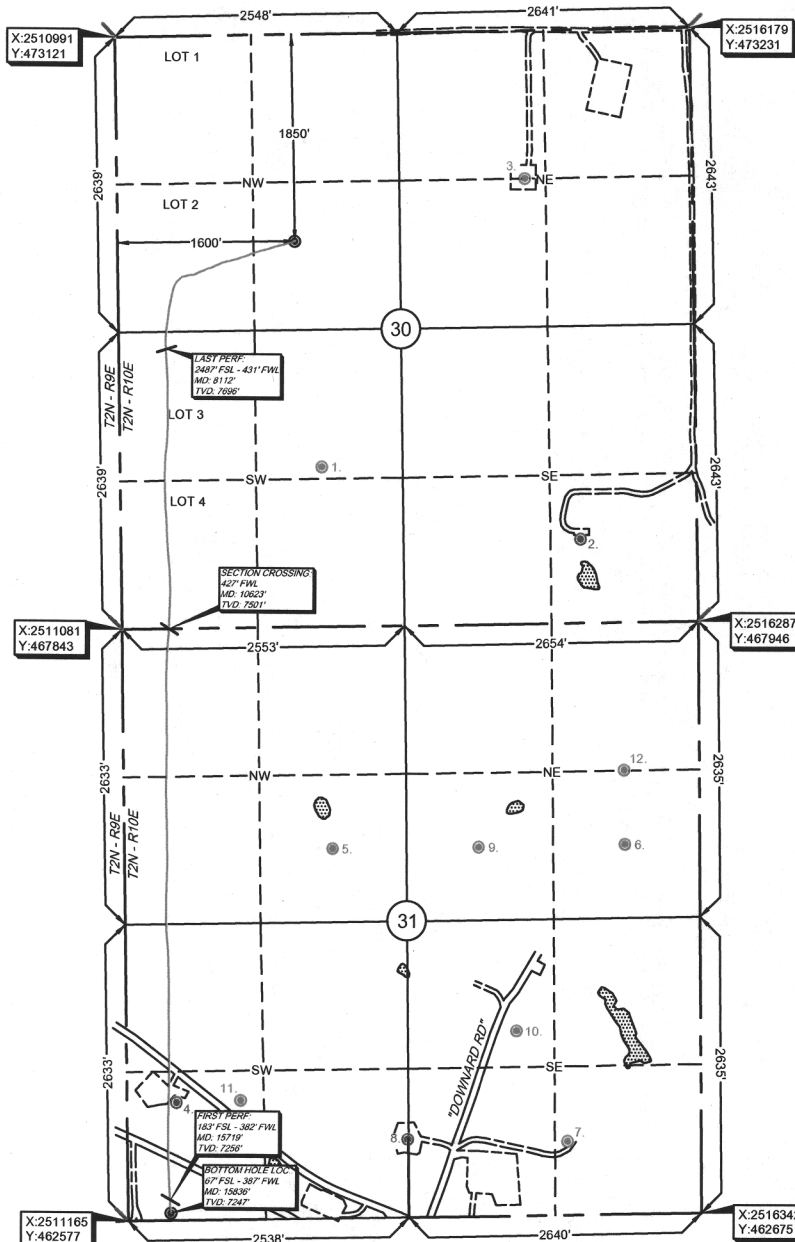
Surface Hole Loc.:  
Lat: 34°36'59.61"N  
Lon: 96°17'46.21"W  
Lat: 34.61655697  
Lon: -96.29617070  
X: 2512623  
Y: 471305

Last Perf:  
Lat: 34°36'50.23"N  
Lon: 96°18'00.21"W  
Lat: 34.61395288  
Lon: -96.30005744  
X: 2511469  
Y: 470338

Section Crossing:  
Lat: 34°36'25.63"N  
Lon: 96°18'00.24"W  
Lat: 34.60711931  
Lon: -96.30006736  
X: 2511508  
Y: 467851

First Perf:  
Lat: 34°35'35.34"N  
Lon: 96°18'00.84"W  
Lat: 34.59315006  
Lon: -96.30023339  
X: 2511544  
Y: 462767

Bottom Hole Loc.:  
Lat: 34°35'34.19"N  
Lon: 96°18'00.78"W  
Lat: 34.59283016  
Lon: -96.30021753  
X: 2511551  
Y: 462651



PLEASE NOTE THIS LOCATION WAS BASED 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 FOR A FULL DISCUSSION OF THE LIMITATIONS OF THIS SURVEY. THIS SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE OKLAHOMA SURVEYING AND MAPPING ACT, AND THE SURVEYOR'S CERTIFICATE OF AUTHORIZATION NO. 5348. THE SURVEYOR'S CERTIFICATE OF AUTHORIZATION NO. 5348 IS A PUBLIC RECORD AND MAY BE VIEWED AT THE OKLAHOMA SURVEYING AND MAPPING BOARD. THE SURVEYOR'S CERTIFICATE OF AUTHORIZATION NO. 5348 IS A PUBLIC RECORD AND MAY BE VIEWED AT THE OKLAHOMA SURVEYING AND MAPPING BOARD. THE SURVEYOR'S CERTIFICATE OF AUTHORIZATION NO. 5348 IS A PUBLIC RECORD AND MAY BE VIEWED AT THE OKLAHOMA SURVEYING AND MAPPING BOARD.

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, 2020

Invoice #7700-A-A-AD  
Date Staked: 03/12/18 By: D.A.  
Date Drawn: 04/12/19 By: R.S.

## 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

04/12/19

OK LPLS 1664



effective date 7/1/19 6-9-2019 (Paper Copy)

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

Form 100

**1002A**  
**Addendum**

API No.: 3502913740000

**Completion Report**

Spud Date: June 30, 2018

OTC Prod. Unit No.: 029-225487-0-0000 ✓

Drilling Finished Date: December 11, 2018

1st Prod Date: March 28, 2019

Completion Date: March 15, 2019

**Drill Type: HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: SANDERS 1-30/31/6H

Purchaser/Measurer: TARGA

Location: COAL 30 2N 10E  
SW NW SE NW  
1850 FNL 1600 FWL of 1/4 SEC  
Latitude: 34.616557 Longitude: -96.2961707  
Derrick Elevation: 759 Ground Elevation: 736

First Sales Date: 03/28/2019

Operator: ~~BRAYO ARKOMA LLC 23562~~

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

Multinunit:  
SAL (Sec 30) - 33.01% 225487 I  
(Sec 31) - 66.99% 225487 AI  
24493 - 0 (Sec 6) - 0%

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
683570

Increased Density
Order No
There are no Increased Density records to display.

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20			40			SURFACE
SURFACE	9 5/8	40	J-55	1018		310	SURFACE
PRODUCTION	5 1/2	23	P-110	15813		1670	5747

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

**Total Depth: 15836**

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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July 23, 2019

EZ 4/28/19  
E7

31AWDPD

969 psi

AR

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
Apr 28, 2019	WOODFORD	27	46.7	3265	120926	444	FLOWING	969	128/64	137

#### Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

#### Spacing Orders

Order No	Unit Size
680386	640 H
683569	MULTIUNIT ✓

#### Perforated Intervals

From	To
8112	15719

#### Acid Volumes

45,000 GALLONS 15% HCL

#### Fracture Treatments

250,278 BARRELS FRAC WATER, 8,222,940 POUNDS 40/70 SAND, 10,140 POUNDS 100 MESH SAND

Formation	Top
WOODFORD	7617

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

#### Other Remarks

OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED NEITHER THE FINAL LOCATION EXCEPTION NOR THE FINAL MULTIUNIT ORDERS HAVE BEEN SUBMITTED.

#### Lateral Holes

Sec: 31 TWP: 2N RGE: 10E County: COAL

SW SW SW SW

67 FSL 387 FWL of 1/4 SEC

Depth of Deviation: 7186 Radius of Turn: 684 Direction: 177 Total Length: 8720

Measured Total Depth: 15836 True Vertical Depth: 7247 End Pt. Location From Release, Unit or Property Line: 67

#### FOR COMMISSION USE ONLY

1143068

Status: Accepted