

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.: 35029213760000

Completion Report

Spud Date: June 26, 2018

OTC Prod. Unit No.: 029-225488-0-0000

Drilling Finished Date: December 29, 2018

1st Prod Date: March 27, 2019

Completion Date: March 15, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: SANDERS 3-30/31/6H

Purchaser/Measurer: TARGA

Location: COAL 30 2N 10E
SW NW SE NW
1850 FNL 1630 FWL of 1/4 SEC
Latitude: 34.6165573 Longitude: -96.29607099
Derrick Elevation: 759 Ground Elevation: 736

First Sales Date: 03/27/2019

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	683574		681878	
	Commingled			681879	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20			40			SURFACE
SURFACE	9 5/8	40	J-55	1000		310	SURFACE
PRODUCTION	5 1/2	23	P-110	15453		1570	6231

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

Total Depth: 15453

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

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 27, 2019	WOODFORD	28	47.5	3144	112286	399	FLOWING	947	128/64	149

Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders

Order No	Unit Size
680386	640
683569	MULTIUNIT

Perforated Intervals

From	To
8002	15349

Acid Volumes

32,500 GALLONS 15% HCL

Fracture Treatments

233,834 BARRELS FRAC WATER, 7,103,950 POUNDS 40/70 SAND, 38,185 POUNDS 100 MESH SAND

Formation	Top
WOODFORD	7603

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 NE SE SW

939 FSL 2188 FWL of 1/4 SEC

Depth of Deviation: 7089 Radius of Turn: 666 Direction: 180 Total Length: 7778

Measured Total Depth: 15453 True Vertical Depth: 7379 End Pt. Location From Release, Unit or Property Line: 939

FOR COMMISSION USE ONLY

Status: Accepted

1143069

API NO. 3502921376
OTC PROD. UNIT NO. 029225488

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

Form 1002A
Rev. 2009

☒ 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.	3-30/31/CH		
SW 1/4 NW 1/4 SE 1/4 NW 1/4	FNL OF 1/4 SEC 1850			FWL OF 1/4 SEC	1630		
ELEVATION N Derrick	759	Ground	736	Latitude (if known)	34.6165573		
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 6/26/2018
DRLG FINISHED DATE 12/29/18
DATE OF WELL COMPLETION 3/15/19
PROD DATE 3/27/19
RECOMP DATE
Longitude (if known) -96.29607099

640 Acres

W E

LOCATE WELL

COMPLETION TYPE

<input checked="" type="checkbox"/> SINGLE ZONE
<input type="checkbox"/> MULTIPLE ZONE
Application Date
COMMINGLED
Application Date
LOCATION EXCEPTION
ORDER NO. 683574
INCREASED DENSITY
ORDER NO. 681878, 681879

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	1000		310	Surface
INTERMEDIATE							
PRODUCTION	5 1/2	23	P-110	15453		1570 2338	6231
LINER							
TOTAL DEPTH							15,453

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____
PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford	319 WDFD				
SPACING & SPACING ORDER NUMBER	680386 (640)	683569 (MU)				
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas					
PERFORATED INTERVALS	8,002' - 15,349'					
ACID/VOLUME	32,500 gals	15% HCl				
FRACTURE TREATMENT (Fluids/Prop Amounts)	233,834 bbls	7,103,950 lbs	38,185 lbs			
	Frac Water	40/70 Sand	100mesh Sand			

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

Gas Purchaser/Measurer

TARGA

☒

OR

First Sales Date

3/27/2019

INITIAL TEST DATA

INITIAL TEST DATE	4/27/2019					
OIL-BBL/DAY	28					
OIL-GRAVITY (API)	47.5					
GAS-MCF/DAY	3144					
GAS-OIL RATIO CU FT/BBL	112286					
WATER-BBL/DAY	399					
PUMPING OR FLOWING	Flowing					
INITIAL SHUT-IN PRESSURE	947					
CHOKE SIZE	128/64					
FLOW TUBING PRESSURE	149					

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	Tyler Harold	DATE	04/19	PHONE NUMBER	918-894-4481
1323 East 71st St, Suite 400	Tulsa OK 74136				
ADDRESS	CITY	STATE	ZIP	EMAIL ADDRESS	

AS SUBMITTED

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	7,603

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 CO₂ encountered? ___ yes X no at what depths? _____

Was H₂S 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 10x10 grid with a bold cross dividing it into four 5x5 quadrants. The label 'x' is located in the bottom-left quadrant, specifically in the second column from the left and the second row from the bottom.

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

10x10 Grid

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:			

LATERAL #1											
SEC	31	TWP	02N	RGE	10E	COUNTY				COAL	
Spot Location						Feet From 1/4 Sec Lines		FSL	939	FWL	2188
SW		1/4		NE		1/4		SE		1/4	
SW		1/4		SE		1/4		SW		1/4	
Depth of Deviation				Radius of Turn				Direction		Total Length	
7,089				666				180		7,778	
Measured Total Depth				True Vertical Depth				BHL From Lease, Unit, or Property Line:			
15,453				7,379				939			

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:		

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. 6-1N-10E I.M.

Operator: BRAVO NATURAL RESOURCES, LLC
Lease Name and No.: SANDERS 3-30/31H
Footage: 1850' FNL - 1630' FWL Gr. Elevation: 737'
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°17'45.86"W
Lat: 34.61655732
Long: -96.29607099
X: 2512653
Y: 471306

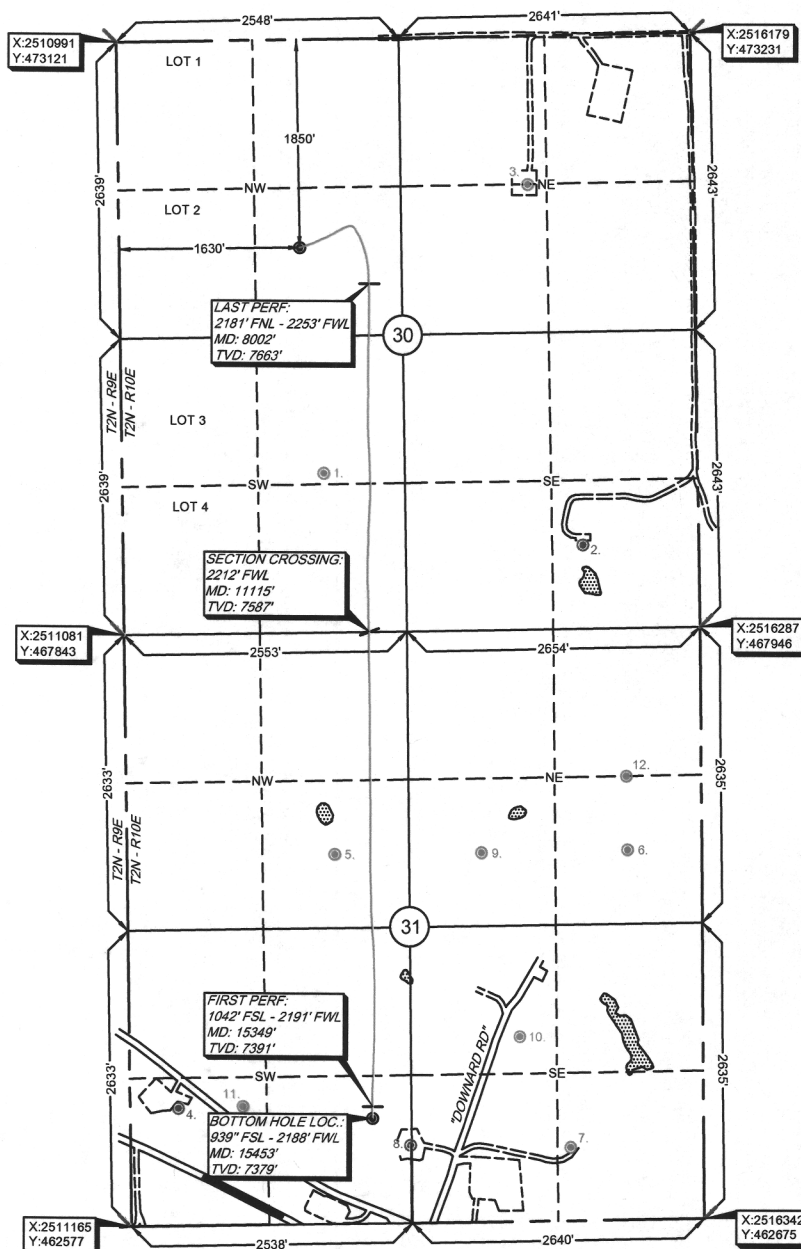
Last Perf:
Lat: 34°36'56.36"N
Lon: 96°17'38.41"W
Lat: 34.61565445
Lon: -96.29400190
X: 2513281
Y: 470988

Section Crossing:
 Lat: 34°36'25.68"N
 Lon: 96°17'38.89"W
 Lat: 34.60713376
 Lon: -96.29413630
 X: 2513293
 Y: 467887

First Perf:
Lat: 34°35'43.88"N
Lon: 96°17'39.20"W
Lat: 34.59552180
Lon: -96.29422087
X: 2513339
Y: 463661

Bottom Hole Loc.:
Lat: 34°35'42.86"N
Lon: 96°17'39.23"W
Lat: 34.59523856
Lon: -96.29422952
X: 2513338
Y: 463558

^aPlease 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 herein for Section Corners may NOT have been adjusted for curvature or refraction. The distance between adjacent corners 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.




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

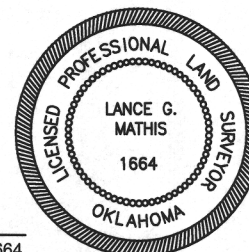
Certification:

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

04/15/19

OK LPLS 1664



8/1/19
Oklahoma Corporation Commission
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000
Rule 165: 10-3-25

Form 1002A

1016EZ

API No.: 0029213760000

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Derrick Elevation: 759 Ground Elevation: 736

First Sales Date: 03/27/2019

Operator: BRAVO ARKOMA LLC 23562

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

Multinuit:

Sec. 30: 33.01% 225488 I

Sec. 31: 66.99% 225488A I

Completion Type	
X	Single Zone
	Multiple Zone
	Commingle

Location Exception	
Order No	
	683574

Increased Density	
Order No	
	681878
	681879

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
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Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
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Total Depth: 15453

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

July 23, 2019

4/27/19

319WDFI

947

1 of 2

ER
E2

JK

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
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Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders

Order No	Unit Size
680386 (30 x 30)	640 H
683569 FO 6 8 8 9 1	MULTIUNIT

Perforated Intervals

From	To
8002	15349

Acid Volumes

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Fracture Treatments

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Formation	Top
WOODFORD	7603

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

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

SW NE SE SW

939 FSL 2188 FWL of 1/4 SEC

Depth of Deviation: 7089 Radius of Turn: 666 Direction: 180 Total Length: 7778

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FOR COMMISSION USE ONLY

1143069

Status: Accepted