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.: 35063246590001

Completion Report

Spud Date: April 10, 2017

OTC Prod. Unit No.: 0630219051

Drilling Finished Date: April 19, 2017

1st Prod Date: June 29, 2017

Completion Date: May 19, 2017

Drill Type: **HORIZONTAL HOLE**

Well Name: PICKLE 2-9/4/33H

Purchaser/Measurer: MARKWEST

Location: HUGHES 8 8N 11E
SE SW NE SE
1470 FSL 945 FEL of 1/4 SEC
Latitude: 35.177903 Longitude: -96.162194
Derrick Elevation: 0 Ground Elevation: 866

First Sales Date: 06/29/2017

Operator: BRAVO ARKOMA LLC 23562

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

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
666660

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	1002		270	SURFACE
PRODUCTION	5 1/2	20	P-110	14168		2514	1588

Liner

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

Total Depth: 14190

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
Jul 08, 2017	WOODFORD			2182		2255	FLOWING	784	128/64	160

Completion and Test Data by Producing Formation

Formation Name: WOODFORD Code: 319WDFD Class: GAS

Spacing Orders

Order No	Unit Size
662335	640
663552	640
664468	MULTIUNIT

Perforated Intervals

From	To
5247	14121

Acid Volumes

61,000 GALLONS 15% HCL

Fracture Treatments

276,320 BARRELS, 6,180,417 POUNDS 40/70 SAND

Formation	Top
WOODFORD	4295

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

OCC - THIS WELL IS PRODUCING FROM SECTIONS 4 AND 9-8N-11E AND SECTION 33-9N-11E. THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED NEITHER THE FINAL LOCATION EXCEPTION NOR THE FINAL MULTIUNIT ORDERS HAVE BEEN ISSUED.

Lateral Holes

Sec: 33 TWP: 9N RGE: 11E County: HUGHES

NE NW SW SW

1011 FSL 351 FWL of 1/4 SEC

Depth of Deviation: 3645 Radius of Turn: 790 Direction: 1 Total Length: 10236

Measured Total Depth: 14190 True Vertical Depth: 4186 End Pt. Location From Release, Unit or Property Line: 351

FOR COMMISSION USE ONLY

1137597

Status: Accepted

API NO. 063-24659 -01
OTC PROD. UNIT NO. 063219051

PLEASE TYPE OR USE BLACK INK ONLY
NOTE:
Attach copy of original 1002A if recompletion or reentry.

[X] ORIGINAL
[ ] AMENDED (Reason)

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

RECEIVED
SEP 01 2017
OKLAHOMA CORPORATION COMMISSION

Form 1002A
Rev. 2009

COMPLETION REPORT

TYPE OF DRILLING OPERATION
[ ] STRAIGHT HOLE [ ] DIRECTIONAL HOLE [X] HORIZONTAL HOLE
[ ] SERVICE WELL
If directional or horizontal, see reverse for bottom hole location.

SPUD DATE	4/10/17
DRLG FINISHED DATE	4/19/17
DATE OF WELL COMPLETION	5/19/17
1st PROD DATE	6/29/17
RECOMP DATE	

COUNTY: Hughes | SEC: 08 | TWP: 08N | RGE: 11E
LEASE NAME: Pickle | WELL NO.: 29/4/33
SE 1/4 SW 1/4 NE 1/4 SE 1/4 | FSL OF 1/4 SEC: 1470 | FEL OF 1/4 SEC: 945
ELEVATION N Derrick / Ground: 866 | Latitude (if known): 35.177903 | Longitude (if known): -96.162194
OPERATOR NAME: Bravo Arkoma, LLC | OTC/OCC OPERATOR NO.: 23562
ADDRESS: 1323 East 71st Street, Suite 400
CITY: Tulsa | STATE: OK | ZIP: 74136

640 Acres
W E
x
LOCATE WELL

COMPLETION TYPE
X SINGLE ZONE
MULTIPLE ZONE
Application Date
COMMINGLED
Application Date
LOCATION EXCEPTION ORDER / INCREASED DENSITY ORDER NO.: 666660 I.O.

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	1002'		270	Surface
INTERMEDIATE							
PRODUCTION	5 1/2"	20#	P-110	14,168'		2514	1588'
LINER							

TOTAL DEPTH: 14,190

PACKER @ ____ BRAND & TYPE ____ PLUG @ ____ TYPE ____ PLUG @ ____ TYPE ____
PACKER @ ____ BRAND & TYPE ____ PLUG @ ____ TYPE ____ PLUG @ ____ TYPE ____

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford	~~Woodford~~ 319WDFD	
SPACING & SPACING ORDER NUMBER	663552 (640)	662335 (640)	664468 (~~MU~~ Multiunit) I.O.
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas	~~Gas~~	
PERFORATED INTERVALS	5,247' - 14,121'		
ACID/VOLUME	61,000 gal ← 15% HCl		
FRACTURE TREATMENT (Fluids/Prop Amounts)	276,320 bbl ← 6,180,417 lbs of ← 40/70 Sand		

[ ] Min Gas Allowable (165:10-17-7) OR Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer: MarkWest
First Sales Date: 6/29/2017

INITIAL TEST DATA

INITIAL TEST DATE	7/8/2017
OIL-BBL/DAY	
OIL-GRAVITY (API)	
GAS-MCF/DAY	2182
GAS-OIL RATIO CU FT/BBL	
WATER-BBL/DAY	2255
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	784
CHOKE SIZE	128/64
FLOW TUBING PRESSURE	160

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	NAME (PRINT OR TYPE)	DATE	PHONE NUMBER
	Tyler Harold - Engineering Tech	8/28/2017	(918) 894-4481

ADDRESS	CITY	STATE	ZIP	EMAIL ADDRESS
1323 East 71st St, Suite 400	Tulsa	OK	74136	tharold@bravonr.com

PLEASE TYPE OR USE BLACK INK ONLY

FORMATION RECORD

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	4,295

LEASE NAME Pickle WELL NO. 2-9/4/33H

FOR COMMISSION USE ONLY

ITD on file ☐ YES ☐ NO

APPROVED DISAPPROVED

2) Reject Codes

Were open hole logs run? ___ yes X no

Date Last log was run

Was CO_2 encountered? ___ yes X no at what depths?

Was H_2S encountered? ___ yes X no at what depths?

Were unusual drilling circumstances encountered? ___ yes X no

If yes, briefly explain below

Other remarks: OCC- This well is producing from Sections 4+9-8N-11E and Section 33 -9N-11E

640 Acres

x

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 1/4 1/4 1/4 1/4				Feet From 1/4 Sec Lines	FSL / FWL
Measured Total Depth		True Vertical Depth		BHL From Lease, Unit, or Property Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

SEC 33	TWP 09N	RGE 11E	COUNTY Hughes		
Spot Location NE 1/4 NW 1/4 SW 1/4 SW 1/4				Feet From 1/4 Sec Lines	FSL 1011 / FWL 351
Depth of Deviation 3,645		Radius of Turn 790		Direction 1	Total Length 10,236
Measured Total Depth 14,190		True Vertical Depth 4,186		BHL From Lease, Unit, or Property Line: 351	

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:	

01 10/1/17

RECEIVED
SEP 01 2017
OKLAHOMA CORPORATION COMMISSION

Form 1002A
Rev. 2009

1016EZ

API NO. 063-24659
OTC PROD. UNIT NO. 063219051

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

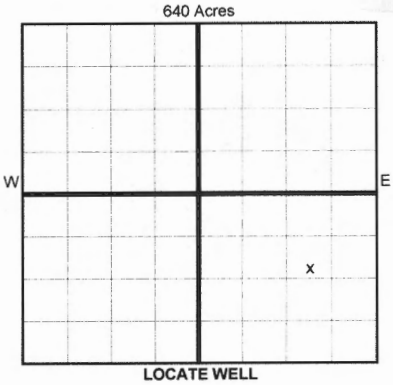
COMPLETION REPORT

[X] ORIGINAL
[ ] AMENDED (Reason)

TYPE OF DRILLING OPERATION
[ ] STRAIGHT HOLE [ ] DIRECTIONAL HOLE [X] HORIZONTAL HOLE
[ ] SERVICE WELL
If directional or horizontal, see reverse for bottom hole location.

SPUD DATE	4/10/17
DRLG FINISHED DATE	4/19/17
DATE OF WELL COMPLETION	5/19/17
1st PROD DATE	6/29/17
RECOMP DATE	
Longitude (if known)	-96.162194

640 Acres



LOCATE WELL

COUNTY	Hughes	SEC 08	TWP 08N	RGE 11E	
LEASE NAME	Pickle			WELL NO. 29/4/33	
SE 1/4 SW 1/4 NE 1/4 SE 1/4	FSL OF 1/4 SEC 1470	FEL OF 1/4 SEC 945			
ELEVATION N Derrick / Ground	866	Latitude (if known)	35.177903		
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

[X] SINGLE ZONE
[ ] MULTIPLE ZONE
Application Date
[ ] COMMINGLED
Application Date
LOCATION EXCEPTION ORDER 666660 I.O.
INCREASED DENSITY ORDER NO.

Multiunit #0: 677541

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	1002'		270	Surface
INTERMEDIATE							
PRODUCTION	5 1/2"	20#	P-110	14,168'		2514	1588'
LINER							

TOTAL DEPTH 14,190

PACKER @ ____ BRAND & TYPE ____ PLUG @ ____ TYPE ____ PLUG @ ____ TYPE ____
PACKER @ ____ BRAND & TYPE ____ PLUG @ ____ TYPE ____ PLUG @ ____ TYPE ____

COMPLETION & TEST DATA BY PRODUCING FORMATION 319WDFD

FORMATION	Woodford	~~Woodford~~	I.O.
SPACING & SPACING ORDER NUMBER	663552 (640)	662335 (640)	664468 (~~MU~~) (Multiunit)
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas	~~Gas~~	
PERFORATED INTERVALS	5,247' - 14,121'		
ACID/VOLUME	61,000 gal ← 15% HCl		
FRACTURE TREATMENT (Fluids/Prop Amounts)	276,320 bbl ← 6,180,417 lbs of ← 40/70 Sand		

Multiunit: 08-08N-11E (SL) -0-
09-08N-11E: 29.74% 219051 I
04-08N-11E: 59.62% 219051A I
33-09N-11E: 10.64% 219051B I

SCANNED

[ ] Min Gas Allowable (165:10-17-7) OR Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer: MarkWest
First Sales Date: 6/29/2017

INITIAL TEST DATA

INITIAL TEST DATE	7/8/2017
OIL-BBL/DAY	
OIL-GRAVITY (API)	
GAS-MCF/DAY	2182
GAS-OIL RATIO CU FT/BBL	
WATER-BBL/DAY	2255
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	784
CHOKE SIZE	128/64
FLOW TUBING PRESSURE	160

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	NAME (PRINT OR TYPE)	DATE	PHONE NUMBER
	Tyler Harold - Engineering Tech	8/28/2017	(918) 894-4481

ADDRESS	CITY	STATE	ZIP	EMAIL ADDRESS
1323 East 71st St, Suite 400	Tulsa	OK	74136	tharold@bravonr.com

E2 E2 E2