

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.: 35029213700001

Completion Report

Spud Date: February 20, 2018

OTC Prod. Unit No.: 029-224692

Drilling Finished Date: June 29, 2018

1st Prod Date: October 13, 2018

Completion Date: September 26, 2018

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: MCGRAW 2-34/3/10H

Purchaser/Measurer: FOURWINDS

Location: COAL 27 2N 10E
SW NE SE SW
850 FSL 2265 FWL of 1/4 SEC
Latitude: 34.609669 Longitude: -96.241661
Derrick Elevation: 0 Ground Elevation: 640

First Sales Date: 10/13/2018

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	676289		675333	
	Commingled			675374	
				675799	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20			40			SURFACE
SURFACE	9 5/8	40	J-55	853		285	SURFACE
PRODUCTION	5 1/2	23	P-110	19768		2225	8100

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

Total Depth: 22040

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
Nov 13, 2018	WOODFORD			2351		732	FLOWING	1130	108/64	144

Completion and Test Data by Producing Formation	
Formation Name: WOODFORD	Code: 319WDFD
Class: GAS	

Spacing Orders	
Order No	Unit Size
517465	640
530706	640
535450	640
676388	MULTIUNIT

Perforated Intervals	
From	To
9102	19639

Acid Volumes
36,000 GALLONS 15% HCL

Fracture Treatments
296,160 BARRELS, 8,252,135 POUNDS 40/70

Formation	Top
WAPANUCKA	6958
CROMWELL	7656
CANEY	8165
MAYES	8406
WOODFORD	8501

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 ISSUED.

Lateral Holes
Sec: 10 TWP: 1N RGE: 10E County: COAL SW SE SE NW 2554 FNL 2185 FWL of 1/4 SEC Depth of Deviation: 7442 Radius of Turn: 1112 Direction: 181 Total Length: 13948 Measured Total Depth: 22040 True Vertical Depth: 8267 End Pt. Location From Release, Unit or Property Line: 2185

FOR COMMISSION USE ONLY	
Status: Accepted	1141552

API NO. 35-029-21370
OTC PROD. 029224692
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

DEC 17 2018

OKLAHOMA CORPORATION
COMMISSION
640 Acres

☒ ORIGINAL
☐ AMENDED (Reason)

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	27	TWP	2N	RGE	10E
LEASE NAME	McGraw			WELL NO.	2-34/310H		
SW 1/4 NE 1/4 SE 1/4 SW 1/4	FSL OF 1/4 SEC	850	FWL OF 1/4 SEC	2265			
ELEVATION N Derrick	Ground	640	Latitude (if known)	34.609669			
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
COMINGLED
Application Date
LOCATION
EXCEPTION ORDER
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	853'		285	Surface
INTERMEDIATE							
PRODUCTION	5 1/2"	23#	P-110	19,768'		2225	8100
LINER							

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

TOTAL DEPTH 22,040

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford					
SPACING & SPACING ORDER NUMBER	535450 (640)	517465 (640)	530706 (640)	676388 (MU)		
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas					
PERFORATED INTERVALS	9,102' - 19,639'					
ACID/VOLUME	36,000 gal	15% HCl				
FRACTURE TREATMENT (Fluids/Prop Amounts)	296,160 bbl	8,252,135 lbs of	40/70			

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

☒

OR

Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer
First Sales Date

FourWinds

10/13/2018

INITIAL TEST DATA

INITIAL TEST DATE	11/13/2018
OIL-BBL/DAY	0
OIL-GRAVITY (API)	NA
GAS-MCF/DAY	2351
GAS-OIL RATIO CU FT/BBL	NA
WATER-BBL/DAY	732
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	1130
CHOKE SIZE	108/64
FLOW TUBING PRESSURE	144

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

SIGNATURE

NAME (PRINT OR TYPE)

DATE

PHONE NUMBER

1323 East 71st St, Suite 400

Tulsa

OK

74136

tharold@bravonr.com

ADDRESS

CITY

STATE

ZIP

EMAIL ADDRESS

FORMATION RECORD

LEASE NAME McGraw WELL NO. 2-34/3/10H

NAMES OF FORMATIONS	TOP
Wapanuka	6,958
Cromwell	7,656
Caney	8,165
Mayes	8,406
Woodford	8,501

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

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

SEC 10	TWP 1N	RGE 10E	COUNTY	COAL		
Spot Location				Feet From 1/4 Sec Lines		
SW 1/4	SE 1/4	SE 1/4	NW 1/4	FNL 2554		FWL 2185
Depth of Deviation 7,442		Radius of Turn 1112		Direction 181.180	Total Length 13,948	
Measured Total Depth 22,040		True Vertical Depth 8,267		BHL From Lease, Unit, or Property Line: 2185		

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						
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:			

BNR *Well Location Plat As-Drilled*
Bravo Natural Resources, LLC

Operator: BRAVO NATURAL RESOURCES, LLC
Lease Name and No.: McGRAW 2-34/310H
Footage: 850' FSL - 2265' FWL Gr. Elevation: 640'
Section: 27 Township: 2N Range: 10E I.M.
County: Coal State of Oklahoma
Terrain at Loc.: Location fell in timber.

S.H.L. Sec. 27-2N-10E I.M.
B.H.L. Sec. 10-1N-10E I.M.



All bearings shown
are grid bearings.

GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°36'34.81"N
Lon: 96°14'29.98"W
X: 2529065
Y: 469081

Section Crossing:
Lat: 34°36'26.41"N
Lon: 96°14'30.88"W
X: 2529004
Y: 468229

Last Perf.:
Lat: 34°36'24.60"N
Lon: 96°14'30.80"W
X: 2529014
Y: 468047

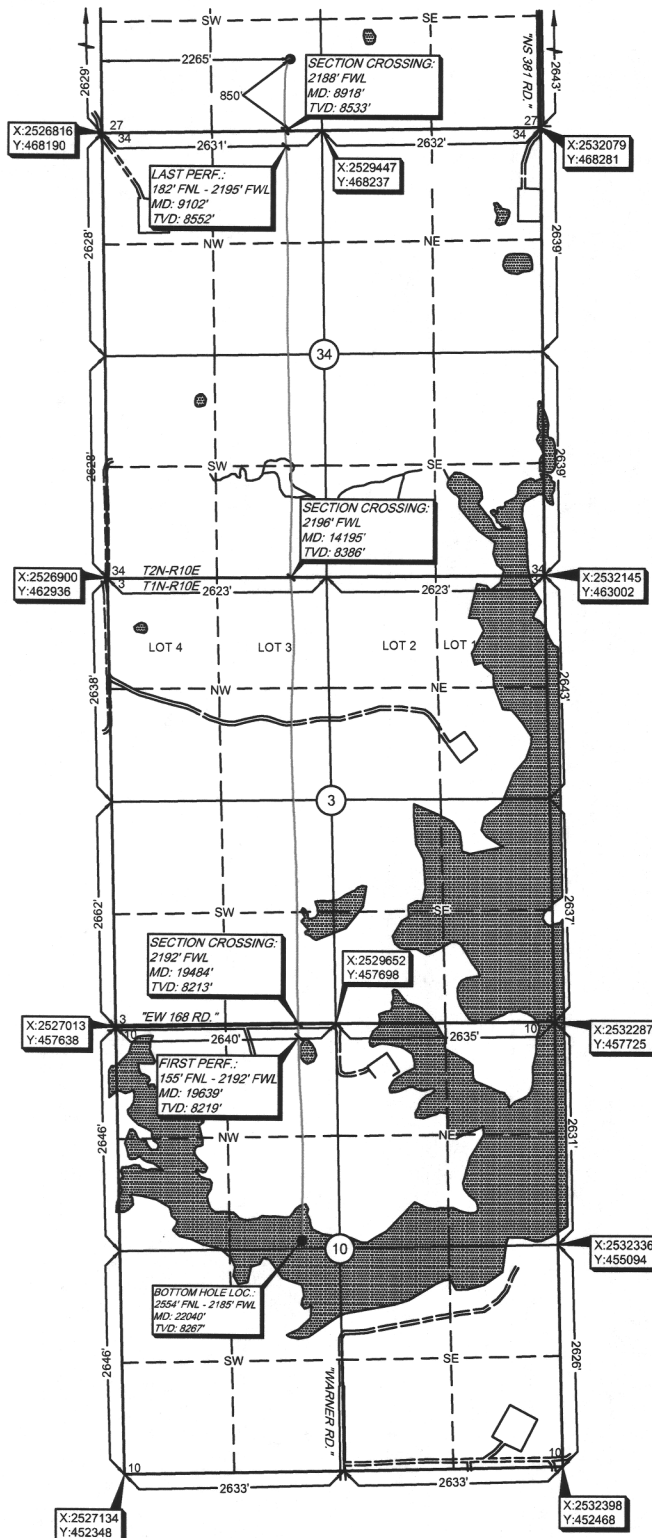
Section Crossing:
Lat: 34°35'34.31"N
Lon: 96°14'30.88"W
X: 2529096
Y: 462963

Section Crossing:
Lat: 34°34'42.11"N
Lon: 96°14'30.69"W
X: 2529204
Y: 457688

First Perf.:
Lat: 34°34'40.57"N
Lon: 96°14'30.67"W
X: 2529208
Y: 457533

Bottom Hole Loc.:
Lat: 34°34'16.84"N
Lon: 96°14'30.60"W
X: 2529256
Y: 455134

²Please note that this location was stated on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. ³Please contact Georgia's Surveying and Mapping Council (<http://www.gsa.state.ga.us>) for more information. ⁴GPS data were collected from the GPS station located at the intersection of the road and the railroad. NOTE: X and Y data shown hereon for Station Contents are NOT have been surveyed on the ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed that a proportionate distance from opposing station corners (or occupator thereof) and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



Survey and plat by:

Arkuma 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 #7531-A-B
Date Stated: 01/10/18 By: D.A.
Date Drawn: 01/15/18 By: K.B.
Rev. Lse Name & BH: 01/23/18 By: C.K.
Issued As-Drilled: 08/08/18 By: J.H.

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

08/09/18

OK LPLS 1664

