

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.: 35029213720000

Completion Report

Spud Date: February 19, 2018

OTC Prod. Unit No.: 029-224628

Drilling Finished Date: April 30, 2018

1st Prod Date: October 03, 2018

Completion Date: September 26, 2018

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: MCGRAW 1-34/3/10H

Purchaser/Measurer: TARGA

Location: COAL 27 2N 10E
SW NE SE SW
850 FSL 2280 FWL of 1/4 SEC
Latitude: 34.609669 Longitude: -96.241611
Derrick Elevation: 0 Ground Elevation: 641

First Sales Date: 10/03/2018

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	676512		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	858		215	SURFACE
PRODUCTION	5 1/2	23	P-110	20120		3164	7900

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

Total Depth: 20120

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 03, 2018	WOODFORD			2128		437	FLOWING	1300	68/64	115

Completion and Test Data by Producing Formation									
Formation Name: WOODFORD				Code: 319WDFD			Class: GAS		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From		To			
517465		640		9082		19994			
530706		640							
535450		640							
677492		MULTIUNIT							
Acid Volumes				Fracture Treatments					
46,100 GALLONS 15% HCL				258,262 BARRELS, 6,026,795 POUNDS 40/70 SAND					

Formation	Top	
WAPANUCKA	6989	Were open hole logs run? No
CROMWELL	7708	Date last log run:
CANEY	8230	Were unusual drilling circumstances encountered? No
MAYES	8429	Explanation:
WOODFORD	8506	

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 NE SW NW NE 665 FNL 2230 FEL of 1/4 SEC Depth of Deviation: 7887 Radius of Turn: 720 Direction: 179 Total Length: 12084 Measured Total Depth: 20120 True Vertical Depth: 8335 End Pt. Location From Release, Unit or Property Line: 665

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1141714</div>

API NO. 35-029-21372
OTC PROD. 029224628
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 06 2018

OKLAHOMA CORPORATION
COMMISSION

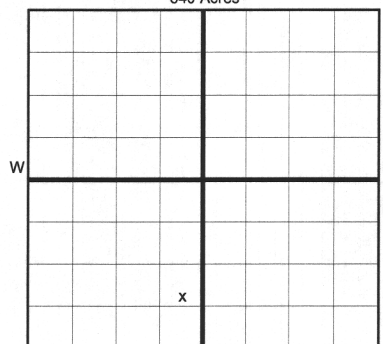
☒ ORIGINAL
☐ AMENDED (Reason)

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	27	TWP	2N	RGE	10E	SPUD DATE	2/19/18
LEASE NAME	McGraw	WELL NO.	1-34/3/10H	DATE OF WELL COMPLETION	9/26/18	DRLG FINISHED DATE	4/30/18	DATE OF WELL COMPLETION	9/26/18
SW 1/4 NE 1/4 SE 1/4 SW 1/4	FSL OF 1/4 SEC	850	FWL OF 1/4 SEC	2280	RECOMP DATE				
ELEVATION	Ground	641	Latitude (if known)	34.609669	Longitude (if known)	-96.241611			
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	858'		215	Surface
INTERMEDIATE							
PRODUCTION	5 1/2"	23#	P-110	20,120'		3164	7900
LINER							
						TOTAL DEPTH	20,120

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Woodford						
SPACING & SPACING ORDER NUMBER	535450 (640)	517465 (640)	530706 (640)	677492 (MU)			
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas						
PERFORATED INTERVALS	9,082' - 19,994'						
ACID/VOLUME	46,100 gals	15% HCl					
FRACTURE TREATMENT (Fluids/Prop Amounts)	258,262 bbls	6,026,795 lbs of	40/70 sand				

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

Gas Purchaser/Measurer

Targa

☒

OR

First Sales Date

10/3/2018

INITIAL TEST DATA

INITIAL TEST DATE	11/3/2018						
OIL-BBL/DAY	0						
OIL-GRAVITY (API)	0						
GAS-MCF/DAY	2128						
GAS-OIL RATIO CU FT/BBL	0						
WATER-BBL/DAY	437						
PUMPING OR FLOWING	Flowing						
INITIAL SHUT-IN PRESSURE	1300						
CHOKE SIZE	68/64						
FLOW TUBING PRESSURE	115						

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	NAME (PRINT OR TYPE)	11/30/18	DATE	918-894-4481	PHONE NUMBER
1323 East 71st St, Suite 400	Tulsa	OK	74136		tharold@bravonr.com	EMAIL ADDRESS
ADDRESS	CITY	STATE	ZIP			

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

WELL NO. 1-34/3/10H

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 ☒ no

Date Last log was run _____

Was CO₂ encountered? ☐ yes ☒ no at what depths? _____

Was H₂S encountered? ☐ yes ☒ no at what depths? _____

Were unusual drilling circumstances encountered? ☐ yes ☒ no

If yes, briefly explain below

Other remarks:

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.

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								
NE 1/4	SW 1/4	NW 1/4	NE 1/4	Feet From 1/4 Sec Lines		FNL 665	FEL 2230	
Depth of Deviation 7,887		Radius of Turn 720		Direction 179		Total Length 12,084		
Measured Total Depth 20,120		True Vertical Depth 8,335		BHL From Lease, Unit, or Property Line: 665				

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				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:			



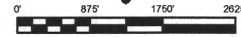
Well Location Plat As-Drilled

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

Operator: BRAVO NATURAL RESOURCES, LLC
Lease Name and No.: McGRAW 1-34/3/10H
Footage: 850' FSL - 2280' FWL Gr. Elevation: 641'
Section: 27 Township: 2N Range: 10E I.M.
County: Coal State of Oklahoma
Terrain at Loc.: Location fell in timber.



All bearings shown
are grid bearings.



GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°36'34.81"N
Lon: 96°14'29.80"W
X: 2529080
Y: 469081

Section Crossing:
Lat: 34°36'26.40"N
Lon: 96°14'20.62"W
X: 2529862
Y: 468244

Last Perf.:
Lat: 34°36'24.56"N
Lon: 96°14'20.42"W
X: 2529882
Y: 468058

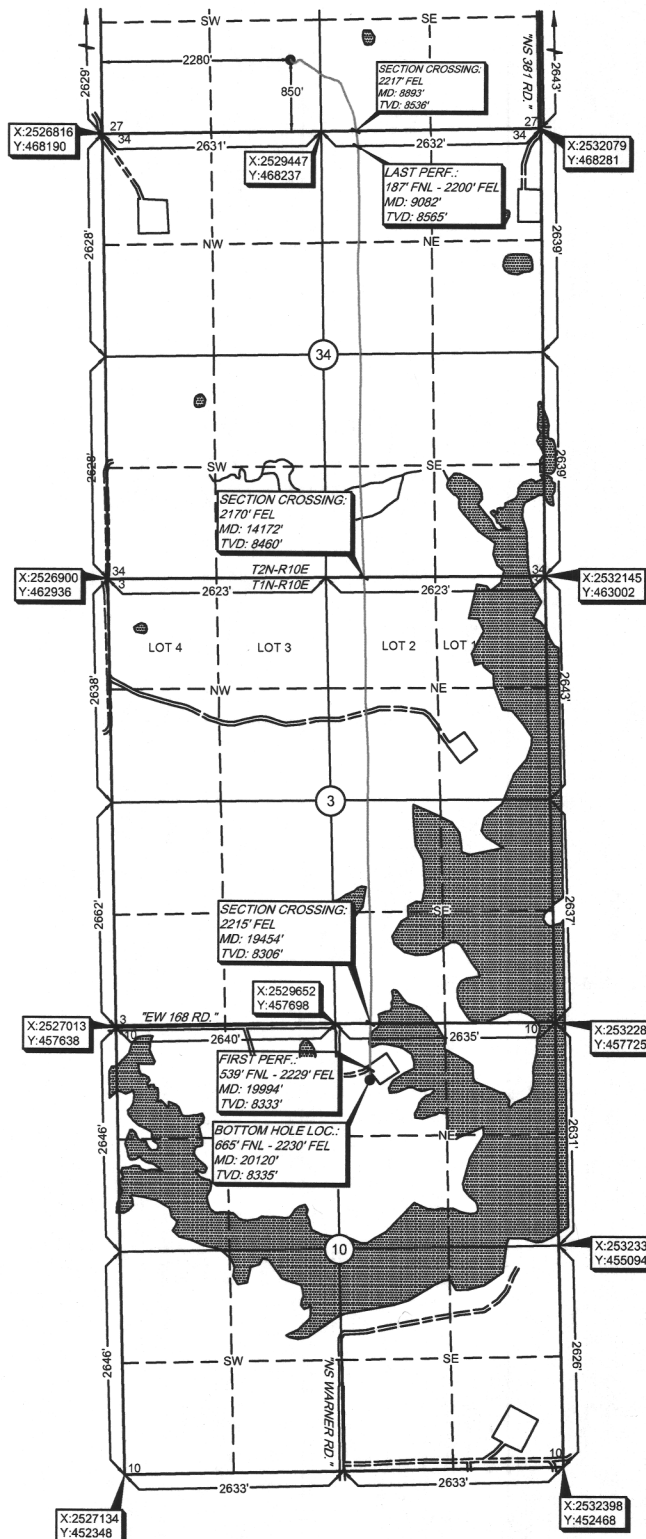
Section Crossing:
Lat: 34°35'34.26"N
Lon: 96°14'20.36"W
X: 2529976
Y: 462975

Section Crossing:
Lat: 34°34'42.10"N
Lon: 96°14'20.30"W
X: 2530073
Y: 457702

First Perf.:
Lat: 34°34'36.77"N
Lon: 96°14'20.46"W
X: 2530068
Y: 457163

Bottom Hole Loc.:
Lat: 34°34'35.52"N
Lon: 96°14'20.48"W
X: 2530069
Y: 457037

Please 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. Please contact Arkoma Surveying and Mapping promptly if you have any questions or concerns. This survey was conducted on the ground, and the accuracy of the data shown herein for Section Corners may 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 from a true Boundary Survey. This survey was conducted 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 #7531-A-C
Date Staked: 01/10/18 By: D.A.
Date Drawn: 01/15/18 By: K.B.
Rev. Lse Name & LP & BH: 01/23/18 By: C.K.
Issued As-Drilled: 08/08/18 By: J.H.

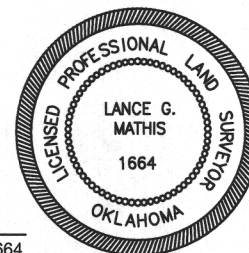
Certification:

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
LANCE G. MATHIS

08/09/18

OK LPLS 1664



effective date 1/19/2-6-2018 (Paper Copy)

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

Form 1002A

1002A
Addendum

API No.: 35029213720000

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Derrick Elevation: 0 Ground Elevation: 641

First Sales Date: 10/03/2018

Operator: BLACKBEARD OPG
BRAVO OKOMA LLC 23502

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

Multiunit:

SHL (Sec 27) - 0
(Sec 34) - 46.65% 224628 I
(Sec 3) - 48.40% 224628 AI
(Sec 10) - 4.95% 224628 BI

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
676512

Increased Density
Order No
675333
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	858		215	SURFACE
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Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
There are no Liner records to display.								

Total Depth: 20120

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

February 27, 2019

11-3-2018

319 WDFD

1300 psi

1 of 2