## Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35029213370000 **Completion Report** Spud Date: February 23, 2017

OTC Prod. Unit No.: 029-218776 Drilling Finished Date: March 17, 2017

1st Prod Date: April 23, 2017

Completion Date: April 16, 2017

First Sales Date: 04/23/2017

**Drill Type: HORIZONTAL HOLE** 

Min Gas Allowable: Yes

Well Name: PISTOL 1-9/16H Purchaser/Measurer: MARKWEST

Location: COAL 4 1N 11E NW SW NE SE

1861 FSL 1045 FEL of 1/4 SEC

Latitude: 34.583728 Longitude: -96.147953 Derrick Elevation: 0 Ground Elevation: 638

Operator: BRAVO ARKOMA LLC 23562

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

|   | Completion Type |  |  |  |  |  |  |
|---|-----------------|--|--|--|--|--|--|
|   | Single Zone     |  |  |  |  |  |  |
|   | Multiple Zone   |  |  |  |  |  |  |
| Х | Commingled      |  |  |  |  |  |  |

| Location Exception |
|--------------------|
| Order No           |
| 656805             |

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

| Casing and Cement |       |        |       |       |     |      |            |  |
|-------------------|-------|--------|-------|-------|-----|------|------------|--|
| Туре              | Size  | Weight | Grade | Feet  | PSI | SAX  | Top of CMT |  |
| CONDUCTOR         | 20    |        |       | 40    |     |      | SURFACE    |  |
| SURFACE           | 9 5/8 | 40     | J-55  | 1001  |     | 410  | SURFACE    |  |
| PRODUCTION        | 5 1/2 | 23     | P-110 | 16266 |     | 2490 | 7290       |  |

|      |      |        |           | Liner           |              |     |           |              |
|------|------|--------|-----------|-----------------|--------------|-----|-----------|--------------|
| Туре | Size | Weight | Grade     | Length          | PSI          | SAX | Top Depth | Bottom Depth |
|      |      |        | There are | no Liner record | ds to displa | ay. |           |              |

Total Depth: 16230

| Packer             |                       |  |  |  |  |  |
|--------------------|-----------------------|--|--|--|--|--|
| Depth              | Brand & Type          |  |  |  |  |  |
| There are no Packe | r records to display. |  |  |  |  |  |

| PI                | ug                  |
|-------------------|---------------------|
| Depth             | Plug Type           |
| There are no Plug | records to display. |

**Initial Test Data** 

July 09, 2018 1 of 3

| Test Date          | Formation             | Oil<br>BBL/Day | Oil-Gravity<br>(API) | Gas<br>MCF/Day | Gas-Oil Ratio<br>Cu FT/BBL   | Water<br>BBL/Day                                 | Pumpin or<br>Flowing | Initial Shut-<br>In<br>Pressure | Choke<br>Size | Flow Tubing<br>Pressure |  |
|--------------------|-----------------------|----------------|----------------------|----------------|------------------------------|--|----------------------|---------------------------------|---------------|-------------------------|--|
| May 23, 2017       | WOODFORD-CANEY        |                |                      | 3975           |                              | 290  | FLOWING              | 580                             | 128/64        | 60                      |  |
|                    |                       | Co             | mpletion and         | l Test Data    | by Producing F               | ormation   |                      |                                 |               |                         |  |
|                    | Formation Name: WOOI  | DFORD          |                      | Code: 3        | 19WDFD                       | C  | class: GAS           |                                 |               |                         |  |
|                    | Spacing Orders        |                |                      |                | Perforated I                 | ntervals   |                      |                                 |               |                         |  |
| Order No Unit Size |                       |                |                      | Fro            | m                            | 7  | Го                   |                                 |               |                         |  |
| 655                | 780                   | 640            |                      | 1133           | 30                           | 14   | 920                  |                                 |               |                         |  |
|                    | Acid Volumes          |                |                      |                | Fracture Tre                 | atments  |                      |                                 |               |                         |  |
|                    | 32,000 GALLONS 15% HO | CL             | 143                  | 3,948 BARF     | RELS, 2,952,767<br>POUNDS 10 |  | 0/70, 170,100        | )                               |               |                         |  |
|                    | Formation Name: CANE  | Y              |                      | Code: 3        | 54CNEY                       | C  | lass: GAS            |                                 |               |                         |  |
|                    | Spacing Orders        |                |                      |                | Perforated I                 | ntervals   |                      |                                 |               |                         |  |
| Orde               | r No U                | nit Size       |                      | From To        |                              |  |                      |                                 |               |                         |  |
| 655                | 780                   | 640            |                      | 1522           | 20                           | 16   | 217                  |                                 |               |                         |  |
|                    | Acid Volumes          |                | $\neg$ $\vdash$      |                | Fracture Tre                 | atments  |                      |                                 |               |                         |  |
|                    | 32,000 GALLONS 15% HO | CL             | 143                  | 3,948 BARF     | RELS, 2,952,767<br>POUNDS 10 |  | 0/70, 170,100        | )                               |               |                         |  |
|                    | Formation Name: WOOI  | DFORD-CAN      | NEY                  | Code:          |                              | C  | class: GAS           |                                 |               |                         |  |
|                    |                       |                |                      |                |                              |  |                      |                                 |               |                         |  |
| Formation          |                       | [1             | Гор                  | \              | Were open hole I             | ogs run? No                                      |                      |                                 |               |                         |  |
| CANEY              |                       |                |                      | 9995           | Date last log run:           |  |                      |                                 |               |                         |  |
| WOODFORD           |                       |                |                      | 10280          | Noro unusual dri             | e unusual drilling circumstances encountered? No |                      |                                 |               |                         |  |

| Formation | Тор   |
|-----------|-------|
| CANEY     | 9995  |
| WOODFORD  | 10280 |

Were unusual drilling circumstances encountered? No Explanation:

## Other Remarks

OCC - PER OPERATOR, PULLED UP SHORT CUT FAULT. OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN SUBMITTED.

| 1 | Lateral Holes |
|---|---------------|

July 09, 2018 2 of 3 Sec: 9 TWP: 1N RGE: 11E County: COAL

SE SW SW SE

213 FSL 2068 FEL of 1/4 SEC

Depth of Deviation: 10108 Radius of Turn: 483 Direction: 181 Total Length: 7000

Measured Total Depth: 16230 True Vertical Depth: 10306 End Pt. Location From Release, Unit or Property Line: 213

## FOR COMMISSION USE ONLY

1137280

Status: Accepted

July 09, 2018 3 of 3

Form 1002A Rev. 2009

| RECEIVED |
|----------|
|----------|

| API 029-21337                                  | PLEASE TYPE OR USE<br>NOTE                   |                            | OKI                        | AHOMA C           | OPPOPATION                     | COMMISSION                 |                   | .     3      | 1 2017           |           |
|--|--|----------------------------|----------------------------|-------------------|--------------------------------|----------------------------|-------------------|--------------|------------------|-----------|
| OTC PROD. 029218776                            | Attach copy of orig                          |                            | OKI                        | Oil & Gas         | Conservation Office Box 52     |                            | <b>A</b> 121 A 1  |              |                  |           |
|  | if recompletion of                           | or reentry.                | (                          | Oklahoma C        | ity, Oklahoma                  | 73152-2000                 | OKLAF             |              | ORPOR/<br>ISSION | ATIC      |
| X ORIGINAL<br>AMENDED (Reason)                 |  |                            |                            |                   | Rule 165:10-3-;<br>PLETION REF |                            |                   | COMM         | NOICOI           |           |
| TYPE OF DRILLING OPERATION                     |  |                            | SPUD                       | DATE              | 2/23/1                         | 17                         |                   | 640 Acres    |                  |           |
| SERVICE WELL                                   |  | HORIZONTAL HOLE            |                            | FINISHED          | 3/17/                          |                            |                   |              |                  |           |
| directional or horizontal, see recountry       | everse for bottom hole location.  SEC 04 TWF | 9 01N RGE 11E              |                            | OF WELL           | 4/16/                          |                            |                   |              |                  |           |
| EASE   | Pistol                                       |                            | COMP<br>16H 1st PR         | LETION OD DATE    | 4/23/                          |                            |                   |              |                  |           |
| NW 1/4 SW 1/4 NE                               | IFOL OF                                      | TEL DE                     |                            |                   | 4/23/                          | 17 w                       |                   |              |                  | E         |
| TEVATIO  | 1/4 SEC                                      | 861 FELOF 104              | Langitu                    | MP DATE           | 00.447                         | 050                        |                   |              |                  |           |
| N Derrick Groun DPERATOR                       |  | / 0 1100011                | OTC/OCC                    | vn)               | -96.147                        |                            |                   |              | x                |           |
| IAME   | Bravo Arkoma, LLO                            | ,                          | OPERATOR                   | NO.               | 2356                           | 2                          |                   |              |                  |           |
| ADDRESS  |  | t 71st Street, Su          | uite 400                   |                   |                                |                            |                   |              |                  | $\exists$ |
| CITY   | Tulsa  | STATE                      | OK                         | ZIP               | 7413                           | 6                          | LC                | CATE WEL     | LL               |           |
| SINGLE ZONE                                    |  | CASING & CEMENT            |                            |                   |                                | FFFT                       | PSI               | CAV          | TOP OF CA        | (T)       |
| MULTIPLE ZONE                                  |  | CONDUCTOR                  | SIZE<br>20"                | WEIGHT            | GRADE                          | FEET 40'                   | P51               | SAX          |                  | -         |
| Application Date  COMMINGLED  Application Date |  | SURFACE                    | 9 5/8"                     | 40#               | J-55                           | 1,001'                     |                   | 410          | Surface          |           |
| OCATION  | 656805                                       | INTERMEDIATE               | 3 3/0                      | <del>-1011</del>  | 3-33                           | 1,001                      |                   | 710          | Juliace          | $\dashv$  |
| EXCEPTION ORDER NOREASED DENSITY               | 300000 7/0,                                  | PRODUCTION                 | 5 1/2"                     | 23#               | P-110                          | 16,266                     |                   | 2490         | 7,290            | $\dashv$  |
| ORDER NO.                                      |  | LINER                      | 0 1/2                      | 2011              | 1 110                          | 10,200                     |                   | 2100         | 7,200            | -         |
| PACKER @BRAN                                   | D & TYPF                                     | PLUG @                     | TYPE                       |                   | PLUG @                         | TYPE                       |                   | OTAL         | 16,230           | $\dashv$  |
| PACKER @BRAN                                   | D & TYPE                                     | PLUG @                     | TYPE                       |                   | PLUG @                         | TYPE                       |                   | DEPTH        | <u> </u>         |           |
|  | A BY PRODUCING FORMAT                        |                            | 0 3                        | 54C1              | VEY                            |                            |                   |              |                  | 1         |
| FORMATION<br>SPACING & SPACING                 | Woodford                                     | Caney                      |                            | and the second of |                                |                            |                   | ガナ           | eporte           | a         |
| DRDER NUMBER CLASS: Oil, Gas, Dry, Inj,        | 655780 (640)                                 | 655780 (640)               | )                          |                   | 1-                             | ~                          |                   | 7,6          | O Frac           | Poc       |
| Disp, Comm Disp, Svc                           | Gas  | Gas                        |                            |                   |                                |                            |                   |              |                  | $\dashv$  |
| PERFORATED                                     | 11,330' - 14,920'                            | 15,220' - 16,21            | 17'                        |                   |                                |                            |                   |              |                  | $\dashv$  |
| NTERVALS                                       | 11,000 14,020                                | 10,220 - 10,21             | 17                         |                   |                                |                            |                   |              | <del></del>      | $\dashv$  |
| ACID/VOLUME                                    | 32,000 gal                                   | 15% HCI                    |                            |                   |                                |                            |                   |              |                  |           |
| DACTUDE TOFATMENT                              |  |                            |                            |                   |                                |                            |                   |              |                  |           |
| FRACTURE TREATMENT Fluids/Prop Amounts)        | 143,948 bbl                                  | 2,952,767 lbs              | of                         | 40/70             | 170,                           | ,100 lbs of                | 100mesh           |              |                  | _         |
|  |  |                            |                            |                   |                                |                            |                   |              |                  |           |
|  | Min Gas Alfo                                 | wable (165:1               | 0-17-7)                    |                   | Gas Pure<br>First Sale         | chaser/Measurer<br>es Date |                   | Mark 4/23/   | West<br>2017     |           |
| NITIAL TEST DATA                               | Oil Allowable                                | e (165:10-13-3)            |                            | *                 |                                |                            |                   | ., 20/       |                  | _         |
| NITIAL TEST DATE                               | 5/23/2017                                    |                            |                            |                   |                                |                            |                   |              |                  |           |
| DIL-BBL/DAY                                    |  |                            |                            |                   |                                |                            | _                 |              |                  |           |
| DIL-GRAVITY ( API)                             |  | Ш                          | ШШ                         | ШШ                |                                |                            |                   |              |                  |           |
| GAS-MCF/DAY                                    | 3975   |                            |                            |                   |                                |                            |                   |              |                  |           |
| GAS-OIL RATIO CU FT/BBL                        | ***************************************      |                            | 5                          |                   | KMI                            | TTED                       |                   |              |                  |           |
| VATER-BBL/DAY                                  | 290  |                            | distribution of the second | 1 / 2 000         |                                |                            |                   |              |                  |           |
| PUMPING OR FLOWING                             | Flowing                                      |                            |                            |                   |                                |                            | TL                |              |                  |           |
| NITIAL SHUT-IN PRESSURE                        | 580  |                            |                            |                   |                                |                            | •                 |              |                  |           |
| CHOKE SIZE                                     | 128/64                                       |                            |                            |                   |                                |                            |                   |              |                  |           |
| LOW TUBING PRESSURE                            | 60   |                            |                            |                   |                                |                            |                   |              |                  |           |
| A record of the formations drille              | ed through and pertinent remarks             | s are presented on the r   | everse. I dec              | clare that I h    | ave knowledge                  | of the contents of the     | nis report and am | authorized b | y my organizat   | ion       |
| to make this report, which was t               | prepared by me or under my sup               | ei vision and direction, w | ith the data a             |                   | ted nerein to be               | e true, correct, and c     | 7/24/2017         |              | 8-894-448        |           |
| SIGNATU  | URE  | N                          | AME (PRIN                  |                   | E)                             |                            | DATE              | PH           | ONE NUMBE        | R         |
| 1323 East 71st \$                              |  | Tulsa                      | OK                         | 74136             | <u> </u>                       | tha                        | arold@brave       |              |                  | _         |
| ADDRE  | ADDRESS                                      |                            | STATE                      | ZIP               |                                |                            | EMAIL ADDR        | ESS          |                  |           |

## PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

| FORMATION Give formation names and tops, if available, or of drilled through. Show intervals cored or drillsten | lescriptions and thickness of formations | LEASE NAME  | Pistol                     | WELL NO            | 1-9/16H  |
|---|--|---|----------------------------|--------------------|----------|
| NAMES OF FORMATIONS   | TOP                                      |   | FOR COM                    | IMISSION USE ONLY  |          |
| Caney   | 9,995                                    | 170 SI (170 )/50  |                            |                    |          |
| Woodford  | 10,280                                   | ITD on file YES   |                            |                    |          |
| 77004.074   | 10,200                                   | APPROVED DISA   | APPROVED<br>2) Re          | ject Codes         |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  | Were open hole logs run?                                      | yesX_                      | no                 |          |
|   |  | Date Last log was run   |                            |                    |          |
|   |  | Was CO <sub>2</sub> encountered?                              | ves X                      | no at what depths? |          |
|   |  | Was H <sub>2</sub> S encountered?                             |                            | no at what depths? |          |
|   |  |   |                            |                    |          |
|   |  | Were unusual drilling circun<br>If yes, briefly explain below | nstances encountered?      | yes                | no       |
|   |  |   |                            |                    |          |
| Other remarks:  |  |   |                            |                    |          |
| OCC - Per C   | perator pulled up                        | short cut fa  | ult                        |                    |          |
| •   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
|   |  | · ·   |                            |                    |          |
|   |  |   |                            |                    |          |
| <del></del>   |  |   |                            |                    |          |
|   |  |   |                            |                    |          |
| 640 Acres   | BOTTOM HOLE LOCATION FOR D               | DIRECTIONAL HOLE  |                            |                    |          |
|   | SEC TWP RGE                              | COUNTY  |                            |                    |          |
|   | Spot Location                            |   |                            | T                  | T        |
|   | 1/4 1/4                                  | 1/4 1/4   | Feet From 1/4 Sec Lines    | FSL                | FEL      |
|   | Measured Total Depth                     | True Vertical Depth   | BHL From Lease, Unit, or P | roperty Line:      |          |
| <del></del>   |  |   |                            |                    |          |
|   | BOTTOM HOLE LOCATION FOR H               | IORIZONTAL HOLE: (LATERALS                                    |                            |                    |          |
|   | LATERAL #1                               |   |                            |                    |          |
|   | SEC 09 TWP 01N RGE                       |   |                            | Coal               |          |
|   | Spot Location Spot Location 1/4 SW 1/4   | SW 1/4 NE 1/4   | Feet From 1/4 Sec Lines    | FSL 213            | FEL 2068 |
|   | Depth of 10 108                          |   | Direction 181              | Total              | 7,000    |
| f more than three drainholes are proposed, attach a separate sheet indicating the necessary information.        | Deviation TO, TOO  Measured Total Depth  |   | BHL From Lease, Unit, or P | Lengui             | 7,000    |
|   | 16,230                                   | 10,306  |                            | 213                |          |
| Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end                  |  | 1   |                            |                    |          |
| point must be located within the boundaries of the ease or spacing unit.  | LATERAL #2 SEC   TWP   RGE               | COUNTY  |                            |                    |          |
|   |  | COUNTY  |                            |                    |          |
| Directional surveys are required for all drainholes and directional wells.                                      | Spot Location 1/4 1/4                    | 1/4 1/4 F   | Feet From 1/4 Sec Lines    | FSL                | FWL      |
| 640 Acres   | Depth of<br>Deviation                    |   | Direction                  | Total<br>Length    |          |
|   | Measured Total Depth                     | True Vertical Depth   | BHL From Lease, Unit, or P |                    |          |
|   |  |   |                            |                    |          |
|   | LATEDAL #2                               |   |                            |                    |          |
|   | SEC TWP RGE                              | COUNTY  |                            |                    |          |
| <del>                                      </del>   | Spot Location                            |   |                            | T                  | 1        |
|   | 1/4 1/4                                  | 1/4 1/4   | Feet From 1/4 Sec Lines    | FSL                | FWL      |
|   | Depth of Deviation                       | Radius of Turn  | Direction                  | Total<br>Length    |          |
|   | Measured Total Depth                     | True Vertical Depth   | BHL From Lease, Unit, or P |                    |          |

PACKER @\_

API

RECEIVED

JUL 3 1 2017

Form 1002A Rev. 2009

1016EZ

| AKI I | AHOMA          | CODE     | ODAT | ION     |
|-------|----------------|----------|------|---------|
| VIVL  | <b>WINIMAN</b> | LUCK     | UKAI | I( )(I) |
|       | COM            | MISSI    | ONI  | .014    |
|       | CON            | IOOIIVII | UN   |         |

640 Acres Х

LOCATE WELL

DEPTH

029-21337 NC NOTE: OKLAHOMA CORPORATION COMMISSION OTC PROD. ()29218776 Oil & Gas Conservation Division Attach copy of original 1002A UNIT NO. Post Office Box 52000 if recompletion or reentry. Oklahoma City, Oklahoma 73152-2000 XORIGINAL Rule 165:10-3-25 AMENDED (Reason) COMPLETION REPORT TYPE OF DRILLING OPERATION 2/23/17 SPLID DATE DIRECTIONAL HOLE STRAIGHT HOLE X HORIZONTAL HOLE SERVICE WELL DRLG FINISHED Proportion hole location (N- L 3/17/17 If directional or horizontal, see re DATE OF WELL SEC COUNTY TWP 01N RGE Coal 04 4/16/17 11E COMPLETION LEASE WELL 1-9/16H1st PROD DATE 4/23/17 NAME FEL O NW 1/4 SW 1/4 NE 1/4 SE 1/4 1861**﴿** 1045 RECOMP DATE 1/4 SEC 1/4 SEC ELEVATIO Longitude Ground 638 Latitude (if known) 34.583728 -96.147953 N Derrick (if known) OPERATOR OTC/OCC Bravo Arkoma, LLC 23562 NAME OPERATOR NO ADDRESS 1323 East 71st Street, Suite 400 Tulsa STATE OK ZIP 74136 **COMPLETION TYPE** 

Min Gas Allowable

PLEASE TYPE OR USE BLACK INK ONLY

SINGLE ZONE MULTIPLE ZONE Application Date X COMMINGLED
Application Date
LOCATION 656805 EXCEPTION ORDER ORDER NO.

BRAND & TYPE

| CASING & CEMEN | NT (Form 10 | 02C must be | e attached) |        |     |                |            |
|----------------|-------------|-------------|-------------|--------|-----|----------------|------------|
| TYPE           | SIZE        | WEIGHT      | GRADE       | FEET   | PSI | SAX            | TOP OF CMT |
| CONDUCTOR      | 20"         |             |             | 40'    |     |                | Surface    |
| SURFACE        | 9 5/8"      | 40#         | J-55        | 1,001' |     | 410            | Surface    |
| INTERMEDIATE   |             |             |             |        |     |                |            |
| PRODUCTION     | 5 1/2"      | 23#         | P-110       | 16,266 |     | 2490           | 7,290      |
| LINER          |             |             |             | 3.7    |     |                | 5.         |
| PLUG @         | TYPE        |             | PLUG @      | TYPE   |     | TOTAL<br>DEPTH | 16,230     |

Gas Purchaser/Measurer

BRAND & TYPE PLUG @ PACKER @\_\_\_ PLUG @ COMPLETION & TEST DATA BY PRODUCING FORMATION 3/9WDFC FORMATION Woodford Canev SPACING & SPACING 655780 (640) 655780 (640) ORDER NUMBER CLASS: Oil, Gas, Dry, Inj, Gas Gas Disp, Comm Disp, Svc PERFORATED 11,330' - 14,920' 15,220' - 16,217' INTERVALS ACID/VOLUME 32,000 gal 15% HCI FRACTURE TREATMENT 143,948 bbl 100mesh 2,952,767 lbs of 40/70 170,100 lbs of (Fluids/Prop Amounts)

OR X First Sales Date 4/23/2017 **INITIAL TEST DATA** Oil Allowable (165:10-13-3) INITIAL TEST DATE 5/23/2017 OIL-BBL/DAY OIL-GRAVITY ( API) 3975 GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY 290 Flowing PUMPING OR FLOWING 580 INITIAL SHUT-IN PRESSURE 128/64 CHOKE SIZE FLOW TUBING PRESSURE 60

(165:10-17-7)

| A record of the formations drilled through and per | inent remarks are presented on the reverse | I declare that I have knowledge of the | contents of this report and am authorized by my organization  |
|--|--|--|---|
|  |  |  | correct, and complete to the best of my knowledge and belief. |

7/24/2017 918-894-4481 Tyler Harold NAME (PRINT OR TYPE) DATE PHONE NUMBER tharold@bravonr.com 1323 East 71st St, Suite 400 Tulsa OK 74136 **EMAIL ADDRESS** ADDRESS CITY STATE ZIP

2017: 974922 OR

MarkWest

