

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.: 35073262230000

Completion Report

Spud Date: August 27, 2018

OTC Prod. Unit No.: 073-224513

Drilling Finished Date: September 29, 2018

1st Prod Date: October 31, 2018

Completion Date: October 15, 2018

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: RUTH 15-16-6 3HC

Purchaser/Measurer: CHESAPEAKE OPERATING LLC

Location: KINGFISHER 15 16N 6W
NE SE SE SW
345 FSL 2465 FWL of 1/4 SEC
Derrick Elevation: 1134 Ground Elevation: 1107

First Sales Date: 11/08/2018

Operator: CHESAPEAKE OPERATING LLC 17441
PO BOX 18496
6100 N WESTERN AVE
OKLAHOMA CITY, OK 73154-0496

| Completion Type | | Location Exception | | Increased Density | |
|-----------------|---------------|--------------------|--|-------------------|--|
| X | Single Zone | Order No | | Order No | |
| | Multiple Zone | 687792 | | 680416 | |
| | Commingled | 687793 | | 680417 | |

| Casing and Cement | | | | | | | | |
|-------------------|--|-------|--------|---------|------|-----|-----|------------|
| Type | | Size | Weight | Grade | Feet | PSI | SAX | Top of CMT |
| SURFACE | | 9 5/8 | 36 | J-55 | 1473 | | 595 | SURFACE |
| PRODUCTION | | 7 | 26 | P-110EC | 7248 | | 395 | 2410 |

| Liner | | | | | | | | |
|-------|-------|--------|---------|--------|-----|-----|-----------|--------------|
| Type | Size | Weight | Grade | Length | PSI | SAX | Top Depth | Bottom Depth |
| LINER | 4 1/2 | 13.50 | P-110EC | 10275 | 0 | 900 | 6955 | 17230 |

Total Depth: 17233

| 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 25, 2018 | OSWEGO | 864 | 43.98 | 704 | 815 | 1700 | PUMPING | | | 136 |

Completion and Test Data by Producing Formation

Formation Name: OSWEGO

Code: 404OSWG

Class: OIL

Spacing Orders

| Order No | Unit Size |
|----------|-----------|
| 654841 | 640 |
| 672942 | 640 |
| 687791 | MULTIUNIT |

Perforated Intervals

| From | To |
|------|-------|
| 7155 | 17158 |

Acid Volumes

639,112 GALLONS ACID

Fracture Treatments

100,914 BARRELS FLUIDS, 150 POUNDS PROPPANT

| Formation | Top |
|-----------|------|
| OSWEGO | 7141 |

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

There are no Other Remarks.

Lateral Holes

Sec: 10 TWP: 16N RGE: 6W County: KINGFISHER

NE NE NW NE

279 FNL 1437 FEL of 1/4 SEC

Depth of Deviation: 5973 Radius of Turn: 711 Direction: 2 Total Length: 10092

Measured Total Depth: 17233 True Vertical Depth: 6684 End Pt. Location From Release, Unit or Property Line: 279

FOR COMMISSION USE ONLY

1141786

Status: Accepted

API
NO. 073-26223
OTC PROD.
UNIT NO. 073-224513

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

JAN 04 2018

Oklahoma Corporation
Commission

Form 1002A

Rev. 2009

☒ ORIGINAL
☐ AMENDED
Reason Amended

TYPE OF DRILLING OPERATION

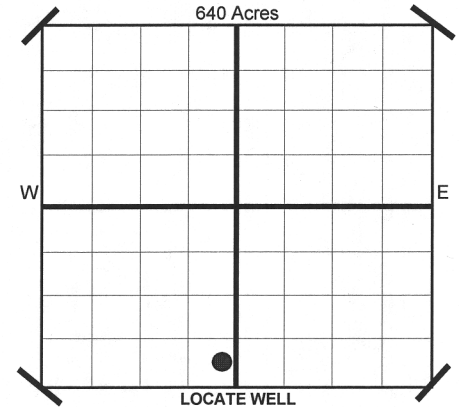
☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE
☐ SERVICE WELL

If directional or horizontal, see reverse for bottom hole location.

| | | | | | | | |
|---------------|------------------------------|--------|--------|---------------------|----------------------|----------------------|-------|
| COUNTY | Kingfisher | SEC | 15 | TWP | 16N | RGE | 6W |
| LEASE NAME | Ruth 15-16-6 | | | WELL NO | 3HC | | |
| SHL | NE 1/4 | SE 1/4 | SW 1/4 | FSL | FWL OF | | |
| | | | | 345 | 1/4 SEC | 2,465 | |
| ELEVATION | | | | | | | |
| Derrick Fl | 1,134 | Ground | 1,107 | Latitude (if Known) | | Longitude (if Known) | |
| OPERATOR NAME | CHESAPEAKE OPERATING, L.L.C. | | | | OTC/OCC OPERATOR NO. | 17441 | |
| ADDRESS | P.O. BOX 18496 | | | | | | |
| CITY | OKLAHOMA CITY | | | STATE | OK | ZIP | 73154 |

COMPLETION REPORT

| | |
|-------------------------|------------|
| SPUD DATE | 8/27/2018 |
| DRLG FINISHED DATE | 9/29/2018 |
| DATE OF WELL COMPLETION | 10/15/2018 |
| 1ST PROD DATE | 10/31/2018 |
| RECOMP DATE | |



COMPLETION TYPE

| | |
|---|-----------------|
| <input checked="" type="checkbox"/> SINGLE ZONE | |
| <input type="checkbox"/> MULTIPLE ZONE | |
| Application Date | |
| <input type="checkbox"/> COMMINGLED | |
| Application Date | |
| LOCATION | |
| EXCEPTION ORDER NO. | 687792 / 687793 |
| INCREASED DENSITY ORDER NO. | 680416 / 680417 |

CASING & CEMENT (Form 1002C must be attached)

| TYPE | SIZE | WEIGHT | GRADE | FEET | PSI | SAX | TOP |
|--------------|--------|--------|---------|----------------|-----|-----|---------|
| CONDUCTOR | | | | | | | |
| SURFACE | 9-5/8" | 36# | J-55 | 1,473 | | 595 | Surface |
| INTERMEDIATE | | | | | | | |
| PRODUCTION | 7" | 26# | P-110EC | 7,248 | | 395 | 2,410 |
| LINER | 4-1/2" | 13.50# | P-110EC | 6,955 - 17,230 | | 900 | 6,959 |
| TOTAL DEPTH | | | | | | | 17,233 |

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

PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____
PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

COMPLETION & TEST DATA BY PRODUCING FORMATION

| | | | | | | |
|--|---|-------------|--|--|--|-------------|
| FORMATION | Oswego | (Multiunit) | | | | Reported to |
| SPACING & SPACING | 640 | | | | | Frac Focus |
| ORDER NUMBER | 654841 / 672942 | 687791 F.O. | | | | |
| CLASS: Oil, Gas, Dry, Inj. | Oil | | | | | |
| Disp, Comm Disp, Svc | | | | | | |
| PERFORATED INTERVALS | 7,155 - 17,158 | | | | | |
| ACID/VOLUME | | | | | | |
| FRACTURE TREATMENT (Fluids/Prop Amounts) | 639,112 gals acid 100,914 bbls fluids 150# proppant | | | | | |

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

Gas Purchaser/Measurer

Chesapeake Operating, L.L.C.

☒

OR

1st Sales Date

11/8/2018

INITIAL TEST DATA

Oil Allowable (165:10-13-3)

| | |
|--------------------------|------------|
| INITIAL TEST DATE | 11/25/2018 |
| OIL-BBL/DAY | 864 |
| OIL-GRAVITY (API) | 43.98 |
| GAS-MCF/DAY | 704 |
| GAS-OIL RATIO CU FT/BBL | 815 |
| WATER-BBL/DAY | 1,700 |
| PUMPING OR FLOWING | Pumping |
| INITIAL SHUT-IN PRESSURE | |
| CHOKE SIZE | |
| FLOW TUBING PRESSURE | 136 |

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.

| | | | |
|-----------------------|--|----------|------------------------|
| <i>Juanita Cooper</i> | JUANITA COOPER - REGULATORY SPECIALIST | 1/3/2019 | 405-848-8000 |
| SIGNATURE | NAME (PRINT OR TYPE) | DATE | PHONE NUMBER |
| P.O. BOX 18496 | OKLAHOMA CITY | OK | 73154 |
| ADDRESS | CITY | STATE | ZIP |
| | | | juanita.cooper@chk.com |
| | | | EMAIL ADDRESS |

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.

LEASE NAME Ruth 15-16-6

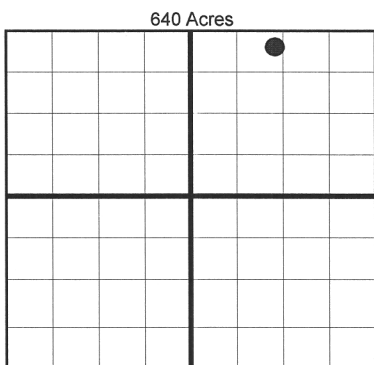
WELL NO. 3HC

| NAMES OF FORMATIONS | TOP |
|---------------------|-------|
| Oswego | 7,141 |

| FOR COMMISSION USE ONLY | |
|--|-------------------|
| ITD on file <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| APPROVED _____ | DISAPPROVED _____ |
| 2) Reject Codes | |
| _____ | |
| _____ | |
| _____ | |
| _____ | |
| _____ | |

| | | |
|--|---|--|
| Were open hole logs run? | yes | <input checked="" type="checkbox"/> no |
| Date Last log was run | N/A | |
| Was CO ₂ encountered? | yes | <input checked="" type="checkbox"/> no at what depths? |
| Was H ₂ S encountered? | yes | <input checked="" type="checkbox"/> no at what depths? |
| Were unusual drilling circumstances encountered? | yes <input type="checkbox"/> no <input checked="" type="checkbox"/> | |
| If yes, briefly explain. | | |

Other remarks:



BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

| SEC | TWP | RGE | COUNTY |
|----------------------|-----|---------------------|---|
| Spot Location | | | |
| 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)

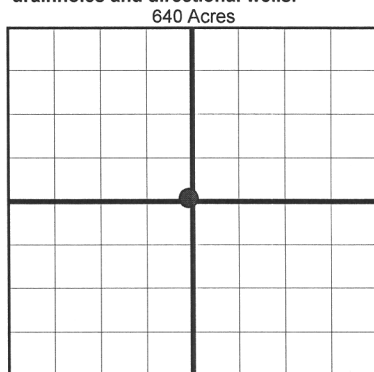
LATERAL #1

| SEC | TWP | RGE | COUNTY |
|----------------------|--------|---------------------|---|
| 10 | 16N | 6W | Kingfisher |
| Spot Location | | | |
| NE 1/4 | NE 1/4 | NW 1/4 | NE 1/4 |
| Depth of Deviation | | Radius of Turn | Direction |
| 5,973 | | 711 | 2 |
| Measured Total Depth | | True Vertical Depth | BHL From Lease, Unit, or Property Line: |
| 17,233 | | 6,684 | 279 |

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.



LATERAL #2

| SEC | TWP | RGE | COUNTY |
|----------------------|-----|---------------------|---|
| Spot Location | | | |
| 1/4 | 1/4 | 1/4 | 1/4 |
| Depth of Deviation | | Radius of Turn | Direction |
| 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 |
| Depth of Deviation | | Radius of Turn | Direction |
| Measured Total Depth | | True Vertical Depth | BHL From Lease, Unit, or Property Line: |

OPERATOR: CHESAPEAKE OPERATING, LLC
LEASE NAME: RUTH 15-16-6
WELL NO. 3HC
STAKED DATE: 4/23/18
GROUND ELEVATION: 1106.75 GR. AT STAKE
SURFACE HOLE FOOTAGE: 345' FSL -2465' FWL
SECTION: 15 TOWNSHIP: T16N RANGE: R6W
KINGFISHER COUNTY, STATE: OK

BASIS OF BEARING:
GRID NORTH (NAD 83)
OKLAHOMA - NORTH ZONE



BOTTOM HOLE: 10-T16N-R6W-1M.
BOTTOM HOLE FOOTAGE: 279' FNL - 1437' FEL
BOTTOM PERF FOOTAGE: 354' FNL - 1439' FEL
TOP PERF FOOTAGE: 347' FSL - 1924' FEL
PENETRATION POINT FOOTAGE: 336' FSL - 1933' FEL
ACCESSIBILITY TO LOCATION: FROM SOUTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE SOUTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: _____
FROM THE TOWN OF KINGFISHER HEAD EAST ON
OK-33 FOR ±5.5MI TO N2900RD, CONTINUE EAST
±0.4MI, PAD SITE IS NORTH OF THE ROAD.

SURFACE HOLE DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 2051735.5
Y: 312163.7
GPS DATUM: NAD27
LAT: 35.85744751
LONG: -97.82541749

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 2020136.9
Y: 312187.7
GPS DATUM: NAD83
LAT: 35.85749146
LONG: -97.82574617

TOP PERF DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 2052637.1
Y: 312163.1
GPS DATUM: NAD27
LAT: 35.85744143
LONG: -97.82237504

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 2021038.5
 Y: 312187.1
 GPS DATUM: NAD83
 LAT: 35.8574854
 LONG: -97.82270364
 MD: 7155'

BOTTOM HOLE DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 2053069.1
Y: 322114.4
GPS DATUM: NAD27
LAT: 35.88477769
LONG: -97.8208552

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 2021470.4
Y: 322138.5
GPS DATUM: NAD83
LAT: 35.88482095
LONG: -97.82118425
MD: 17233'

PENETRATION POINT DATA

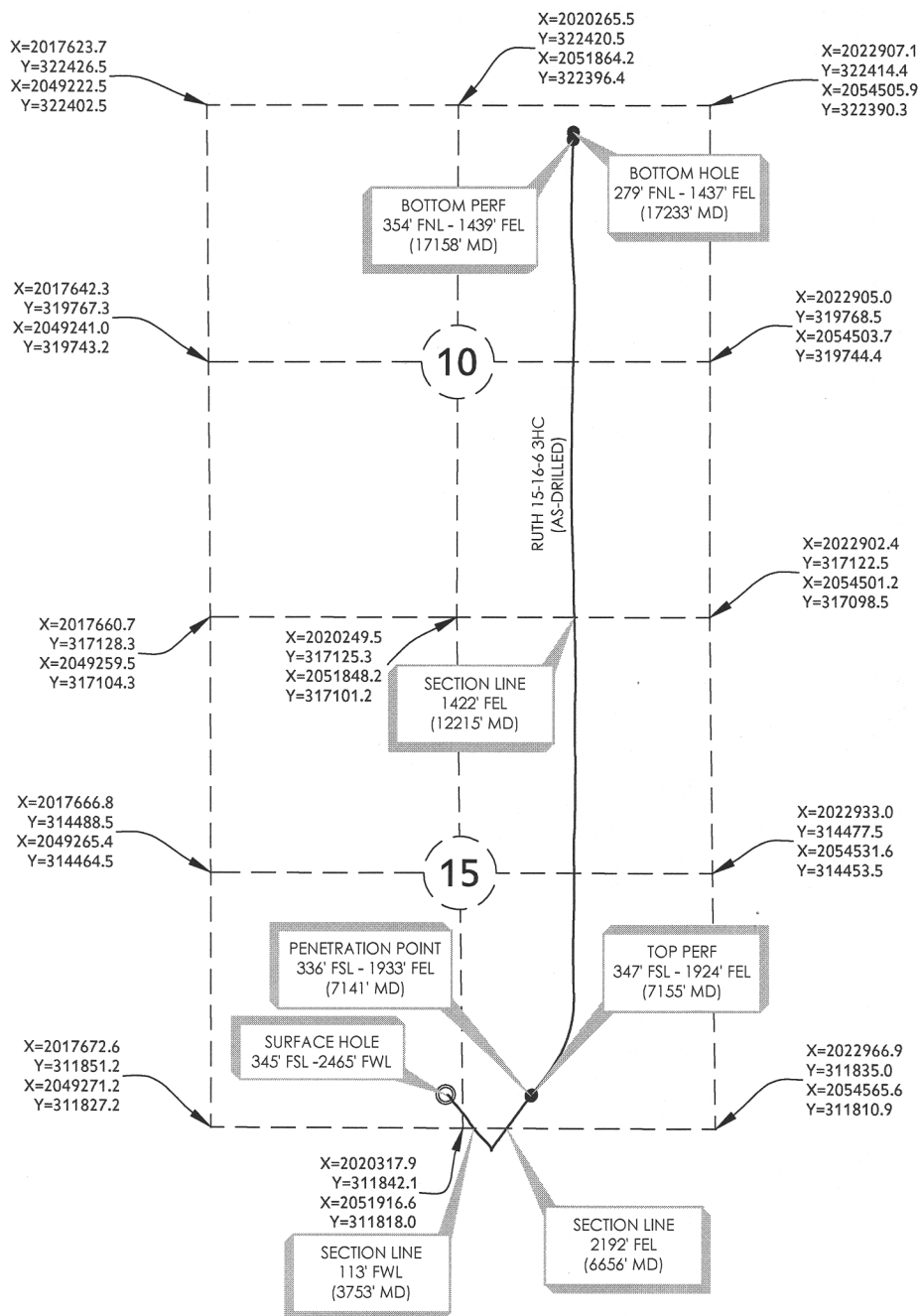
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 2052628.5
Y: 312152.4
GPS DATUM: NAD27
LAT: 35.85741217
LONG: -97.82240415

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 2021029.9
 Y: 312176.5
 GPS DATUM: NAD83
 LAT: 35.85745614
 LONG: -97.82273275
 MD: 7141'

BOTTOM PERF DATA

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 2053066.5
 Y: 322039.5
 GPS DATUM: NAD27
 LAT: 35.88457179
 LONG: -97.82086451

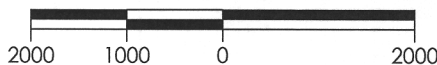
STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 2021467.8
 Y: 322063.6
 GPS DATUM: NAD83
 LAT: 35.88461507
 LONG: -97.82119355
 MD: 17158'



AS-DRILLED INFORMATION PROVIDED BY OPERATOR LISTED

PART OF THE SW/4 OF
SECTION 15, T16N, R6W
AS-DRILLED EXHIBIT
FISHER COUNTY, OKLAHOMA

GRAPHIC SCALE IN FEET



300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 t 405.787.6276 f
www.craftontull.com



Crafton Tull
SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2018

SCALE: 1" = 2000'
PLOT DATE: 11-13-2018

DRAWING: 17601117-AD-WELL
DRAWN BY: DW

SHEET NO.: 1 OF 1