

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.: 35093251820000

Completion Report

Spud Date: December 16, 2018

OTC Prod. Unit No.: 093-225046

Drilling Finished Date: January 03, 2019

1st Prod Date: February 13, 2019

Completion Date: January 18, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: KILAUEA 17-22-16 1H

Purchaser/Measurer: CHESAPEAKE OPERATING LLC

Location: MAJOR 20 22N 16W
SE NE NE NE
398 FNL 262 FEL of 1/4 SEC
Derrick Elevation: 1683 Ground Elevation: 1658

First Sales Date: 02/13/2019

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	693040		688521	
	Commingle				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	48	H-40	581		715	SURFACE
INTERMEDIATE	9 5/8	36	J-55	1513		545	SURFACE
PRODUCTION	7	29	P-110EC	7448		275	4192

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	13.50	P-110EC	5249	0	465	7192	12441

Total Depth: 12441

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
Mar 23, 2019	CHESTER LIME	7	42.5	1877	268143	68	FLOWING	987.4	64/64	72

Completion and Test Data by Producing Formation

Formation Name: CHESTER LIME

Code: 354CRLM

Class: GAS

Spacing Orders

Order No	Unit Size
465428	640

Perforated Intervals

From	To
7424	12369

Acid Volumes

49,622 GALLONS ACID

Fracture Treatments

108,227 BARRELS FLUIDS, 3,984,462 POUNDS PROPPANT

Formation	Top
CHESTER LIME	7342

Were open hole logs run? Yes

Date last log run: December 31, 2018

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

EXCEPTION TO THE RULE ORDER NUMBER 693041

Lateral Holes

Sec: 17 TWP: 22N RGE: 16W County: MAJOR

NW NE NE NE

174 FNL 394 FEL of 1/4 SEC

Depth of Deviation: 6275 Radius of Turn: 764 Direction: 0 Total Length: 5099

Measured Total Depth: 12441 True Vertical Depth: 7039 End Pt. Location From Release, Unit or Property Line: 174

FOR COMMISSION USE ONLY

1142551

Status: Accepted

API NO. 093-25182
OTC PROD.
UNIT NO. 093-225046

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

Form 1002A

Rev. 2009

RECEIVED

APR 09 2019

Oklahoma Corporation
Commission

640 Acres

☒ ORIGINAL
☐ AMENDED
Reason Amended

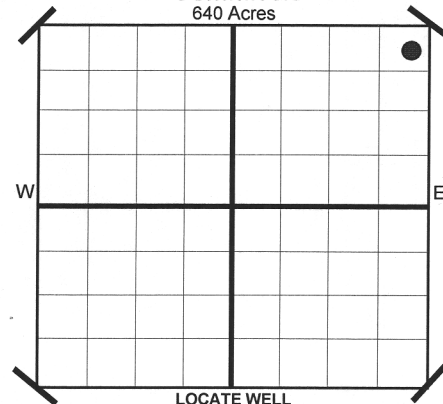
TYPE OF DRILLING OPERATION

☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE
SERVICE WELL

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

COMPLETION REPORT

COUNTY	Major	SEC	20	TWP	22N	RGE	16W	
LEASE NAME	Kilauea 17-22-16						WELL NO	1H
SHL	SE 1/4	NE 1/4	NE 1/4	NE 1/4	398	1/4 SEC	262	
ELEVATION	Derrick Fl 1,683 Ground 1,658							
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 TYPE

<input checked="" type="checkbox"/> SINGLE ZONE	
<input type="checkbox"/> MULTIPLE ZONE	
Application Date	
<input type="checkbox"/> COMMINGLED	
Application Date	
LOCATION EXCEPTION ORDER NO.	693040
INCREASED DENSITY ORDER NO.	688521

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP
CONDUCTOR							
SURFACE	13-3/8"	48#	H-40	581		715	Surface
INTERMEDIATE	9-5/8"	36#	J-55	1,513		545	Surface
PRODUCTION	7"	29#	P-110EC	7,448		275	4,250
LINER	4-1/2"	13.50#	P-110EC	7,192-12,441		465	7,192
							TOTAL DEPTH 12,441

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

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Chester Lime						
SPACING & SPACING ORDER NUMBER	640 465428						
CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc	Gas						
PERFORATED INTERVALS	7,424 - 12,369						
ACID/VOLUME	49,622 gals acid 108,227 bbls fluids 3,984,462# proppant						
FRACTURE TREATMENT (Fluids/Prop Amounts)							

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

Gas Purchaser/Measurer

Chesapeake Operating, L.L.C.

☒

OR

1st Sales Date

2/13/2019

INITIAL TEST DATA

Oil Allowable (165:10-13-3)

INITIAL TEST DATE	3/23/2019						
OIL-BBL/DAY	7						
OIL-GRAVITY (API)	42.5						
GAS-MCF/DAY	1,877						
GAS-OIL RATIO CU FT/BBL	268,143						
WATER-BBL/DAY	68						
PUMPING OR FLOWING	Flowing						
INITIAL SHUT-IN PRESSURE	987.4						
CHOKE SIZE	64/64						
FLOW TUBING PRESSURE	72						

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.

<u>Juanita Cooper</u> SIGNATURE	JUANITA COOPER - REGULATORY SPECIALIST NAME (PRINT OR TYPE)	4/8/2019 DATE	405-848-8000 PHONE NUMBER
P.O. BOX 18496 ADDRESS	OKLAHOMA CITY CITY	OK STATE	73154 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 Kilauea 17-22-16

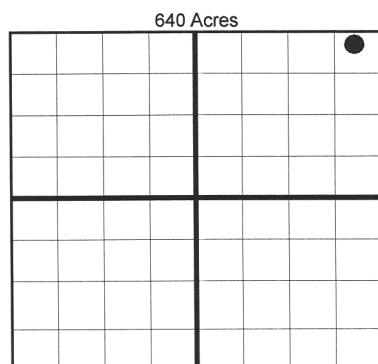
WELL NO. 1H

NAMES OF FORMATIONS	TOP
Chester Lime	7,342

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?	<u>X</u> yes <input type="checkbox"/> no
Date Last log was run	12/31/2018
Was CO ₂ encountered?	yes <input type="checkbox"/> <u>X</u> no at what depths?
Was H ₂ S encountered?	yes <input type="checkbox"/> <u>X</u> no at what depths?
Were unusual drilling circumstances encountered?	<input type="checkbox"/> yes <u>X</u> no
If yes, briefly explain.	

Other remarks: Exception to the Rule Order No. 693041



BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUNTY
Spot Location	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
17	22N	16W	Major
Spot Location	NW 1/4	NE 1/4	NE 1/4
Depth of Deviation	6,275	Radius of Turn	764
Measured Total Depth	12,441	True Vertical Depth	7,039
Feet From 1/4 Sec Lines	FNL 174	FEL	394
Direction	0	Total Length	5,099
BHL From Lease, Unit, or Property Line: 174			

LATERAL #2

SEC	TWP	RGE	COUNTY
Spot Location	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:	

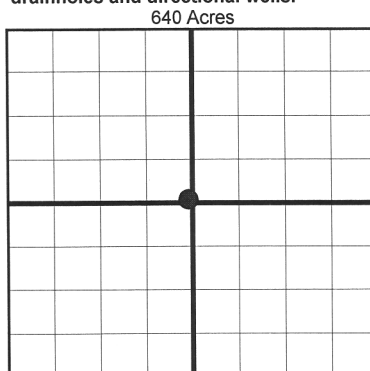
LATERAL #3

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

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.



CHESAPEAKE ENERGY

OPERATOR: CHESAPEAKE OPERATING, LLC
LEASE NAME: KILAUEA 17-22-16
WELL NO. 1H
STAKED DATE: 10/11/18

GROUND ELEVATION: 1657.65 GR. AT STAKE
SURFACE HOLE FOOTAGE: 398' FNL - 262' FEL
SECTION: 20 TOWNSHIP: 22N RANGE: 16W
MAJOR COUNTY, STATE: OK

BOTTOM HOLE: 17-22N-16W, I.M.
BOTTOM HOLE FOOTAGE: 102' FNL - 394' FEL
BOTTOM PERF FOOTAGE: 174' FNL - 394' FEL
TOP PERF FOOTAGE: 160' FSL - 384' FEL
PENETRATION POINT FOOTAGE: 79' FSL - 379 FEL

ACCESSIBILITY TO LOCATION: FROM EAST LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE NORTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM INT OF HWY 281 & HWY 412, S 2 MI. TO E0430
RD, W 1.5 MI. TO N2295 RD, SOUTH ON N2295 RD 1
MILE TO E0440 RD, WEST ON E0440 RD 0.5 MILE TO
N2290, 550 FT SOUTH ON N2290. PAD IS ON EAST SIDE
OF ROAD

SURFACE HOLE DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1727594.0
Y: 502049.8
GPS DATUM: NAD27
LAT: 36.37564943
LONG: -98.92531964

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1695991.2
Y: 502077.0
GPS DATUM: NAD83
LAT: 36.37568580
LONG: -98.92569156

TOP PERF DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1727475.6
Y: 502609.2
GPS DATUM: NAD27
LAT: 36.37718284
LONG: -98.92573991

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1695872.8
Y: 502636.4
GPS DATUM: NAD83
LAT: 36.37721919
LONG: -98.92611184
MD: 7424'

BOTTOM HOLE DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1727515.8
Y: 507620.8
GPS DATUM: NAD27
LAT: 36.39095006
LONG: -98.92576557

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1695913
Y: 507648.1
GPS DATUM: NAD83
LAT: 36.3909862
LONG: -98.92613746
MD: 12441'

PENETRATION POINT DATA

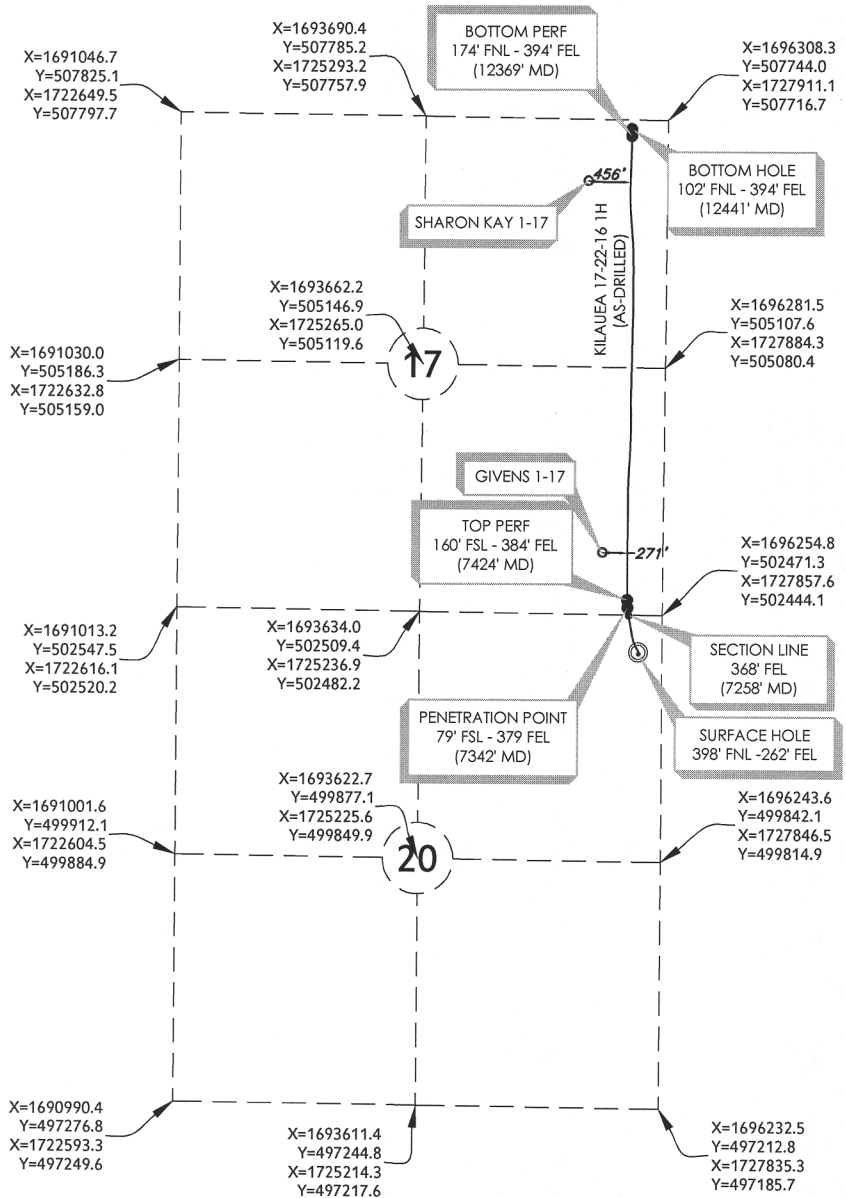
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1727479.9
Y: 502555.6
GPS DATUM: NAD27
LAT: 36.37696101
LONG: -98.92572272

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1695877.1
Y: 448609.1
GPS DATUM: NAD83
LAT: 36.37699736
LONG: -98.92609465
MD: 7342'

BOTTOM PERF DATA

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1727515.6
Y: 507548.8
GPS DATUM: NAD27
LAT: 36.39075228
LONG: -98.9257641

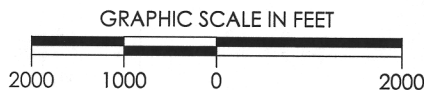
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1695912.8
Y: 507576.1
GPS DATUM: NAD83
LAT: 36.39078843
LONG: -98.92613599
MD: 12369'



AS-DRILLED INFORMATION PROVIDED BY OPERATOR LISTED.

KILAUEA 17-22-16 1H

PART OF THE NE/4 OF
SECTION 20, 22N, 16W
AS-DRILLED EXHIBIT
MAJOR COUNTY, OKLAHOMA



300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craftontull.com
Crafton Tull
® SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

SCALE: 1" = 2000'
PLOT DATE: 02-07-2019

DRAWING: 17601128-AD-WELL
DRAWN BY: DW

SHEET NO.: 1 OF 1