

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.: 35093251890000

Completion Report

Spud Date: January 07, 2019

OTC Prod. Unit No.: 093-225227-0-0000

Drilling Finished Date: February 04, 2019

1st Prod Date: March 19, 2019

Completion Date: March 12, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: HAYES 21-20-11 3H

Purchaser/Measurer: MUSTANG GAS PRODUCTS LLC

First Sales Date: 03/19/2019

Location: MAJOR 16 20N 11W
SE SE SE SE
259 FSL 231 FEL of 1/4 SEC
Latitude: 36.203142 Longitude: -98.371428
Derrick Elevation: 1288 Ground Elevation: 1263

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

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
695333

Increased Density
Order No
N/A

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	48	J-55	687		744	SURFACE
INTERMEDIATE	9 5/8	36	J-55	1513		530	SURFACE
PRODUCTION	7	29	P-110EC	8907		360	3646

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	13.50	P-110EC	5265	0	465	8600	13865

Total Depth: 13867

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 22, 2019	HUNTON	158	37.8	317	2006	2735	ARTIFICIA			120

Completion and Test Data by Producing Formation									
Formation Name: HUNTON				Code: 269HNTN			Class: OIL		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From			To		
690618		640		8846			13754		
Acid Volumes				Fracture Treatments					
68,000 GALLONS ACID				99,095 BARRELS FLUIDS, 6,721,980 POUNDS PROPPANT					

Formation	Top
HUNTON	8836

Were open hole logs run? No
Date last log run:

Were unusual drilling circumstances encountered? No
Explanation:

Other Remarks
EXCEPTION TO THE RULE ORDER NUMBER 695341

Lateral Holes
Sec: 21 TWP: 20N RGE: 11W County: MAJOR SW SW SE SE 63 FSL 1027 FEL of 1/4 SEC Depth of Deviation: 7862 Radius of Turn: 689 Direction: 182 Total Length: 5031 Measured Total Depth: 13867 True Vertical Depth: 8551 End Pt. Location From Release, Unit or Property Line: 63

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1142952</div>

API NO. 093-25189
OTC PROD. UNIT NO. 093-225227

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

Form 1002A
Rev. 2009

MAY 17 2019

☒ 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 Major SEC 16 17N 20N RGE 11W
LEASE NAME Hayes 21-20-11
SHL SE 1/4 SE 1/4 SE 1/4 SE 1/4 FSL 259 1/4 SEC 231
ELEVATION Derrick Fl 1,288 Ground 1,263
OPERATOR NAME CHESAPEAKE OPERATING, L.L.C.
ADDRESS P.O. BOX 18496
CITY OKLAHOMA CITY STATE OK ZIP 73154

COMPLETION REPORT
SPUD DATE 1/7/2019
DRLG FINISHED DATE 2/4/2019
DATE OF WELL COMPLETION 3/12/2019
1ST PROD DATE 3/19/2019
RECOMP DATE
Longitude (if Known)
OTC/OCC OPERATOR NO. 17441

OKLAHOMA CORPORATION COMMISSION
640 Acres
W E
LOCATE WELL

COMPLETION TYPE

☒ SINGLE ZONE
☐ MULTIPLE ZONE
☐ COMMINGLED
LOCATION EXCEPTION ORDER NO. 691167695333
INCREASED DENSITY ORDER NO. N/A

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP
CONDUCTOR							
SURFACE	13-3/8"	48#	J-55	687		744	Surface
INTERMEDIATE	9-5/8"	36#	J-55	1,513		530	Surface
PRODUCTION	7"	29#	P-110EC	8,907		360	3,646
LINER	4-1/2"	13.50#	P-110EC	8,600-13,865		465	8,600
							13,867

PACKER @ BRAND & TYPE
PACKER @ BRAND & TYPE

PLUG @ TYPE
PLUG @ TYPE
PLUG @ TYPE
PLUG @ TYPE

TOTAL DEPTH

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION Hunton
SPACING & SPACING 640
ORDER NUMBER 690618
CLASS: Oil, Gas, Dry, Inj. Oil
Disp, Comm Disp, Svc
PERFORATED INTERVALS 8,846 - 13,754
ACID/VOLUME 68,000 gals acid
FRACTURE TREATMENT 99,095 bbls fluids
(Fluids/Prop Amounts) 6,721,980# proppant

Reported to
Frac Focus

☒ Minimum Gas Allowable (165:10-17-7)
OR
Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer
1st Sales Date
Mustang Gas Products LLC
3/19/2019

INITIAL TEST DATA

INITIAL TEST DATE	3/22/2019
OIL-BBL/DAY	158
OIL-GRAVITY (API)	37.80
GAS-MCF/DAY	317
GAS-OIL RATIO CU FT/BBL	2,006
WATER-BBL/DAY	2,735
PUMPING OR FLOWING	Artificial Lift
INITIAL SHUT-IN PRESSURE	
CHOKE SIZE	
FLOW TUBING PRESSURE	120

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.

Juanita Cooper
SIGNATURE
P.O. BOX 18496
ADDRESS
OKLAHOMA CITY
CITY
OK
STATE
73154
ZIP
JUANITA COOPER - REGULATORY SPECIALIST
NAME (PRINT OR TYPE)
5/16/2019
DATE
405-848-8000
PHONE NUMBER
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 Hayes 21-20-11

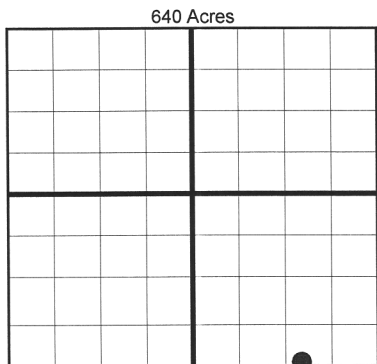
WELL NO. 3H

NAMES OF FORMATIONS	TOP
Hunton	8,836

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

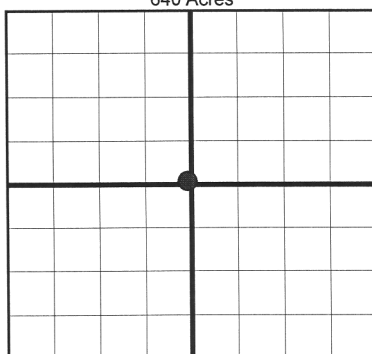
Other remarks: Exception to the Rule Order 695341



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	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)

SEC	TWP	RGE	COUNTY
21	20N	11W	Major
Spot Location	SW 1/4	SW 1/4	SE 1/4
Depth of Deviation	7,862	Radius of Turn	689
Measured Total Depth	13,867	True Vertical Depth	8,551
Feet From 1/4 Sec Lines		FSL	63
Direction		Total Length	5,031
BHL From Lease, Unit, or Property Line:		63	

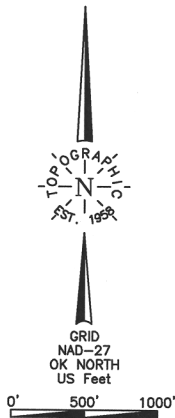
LATERAL #2

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

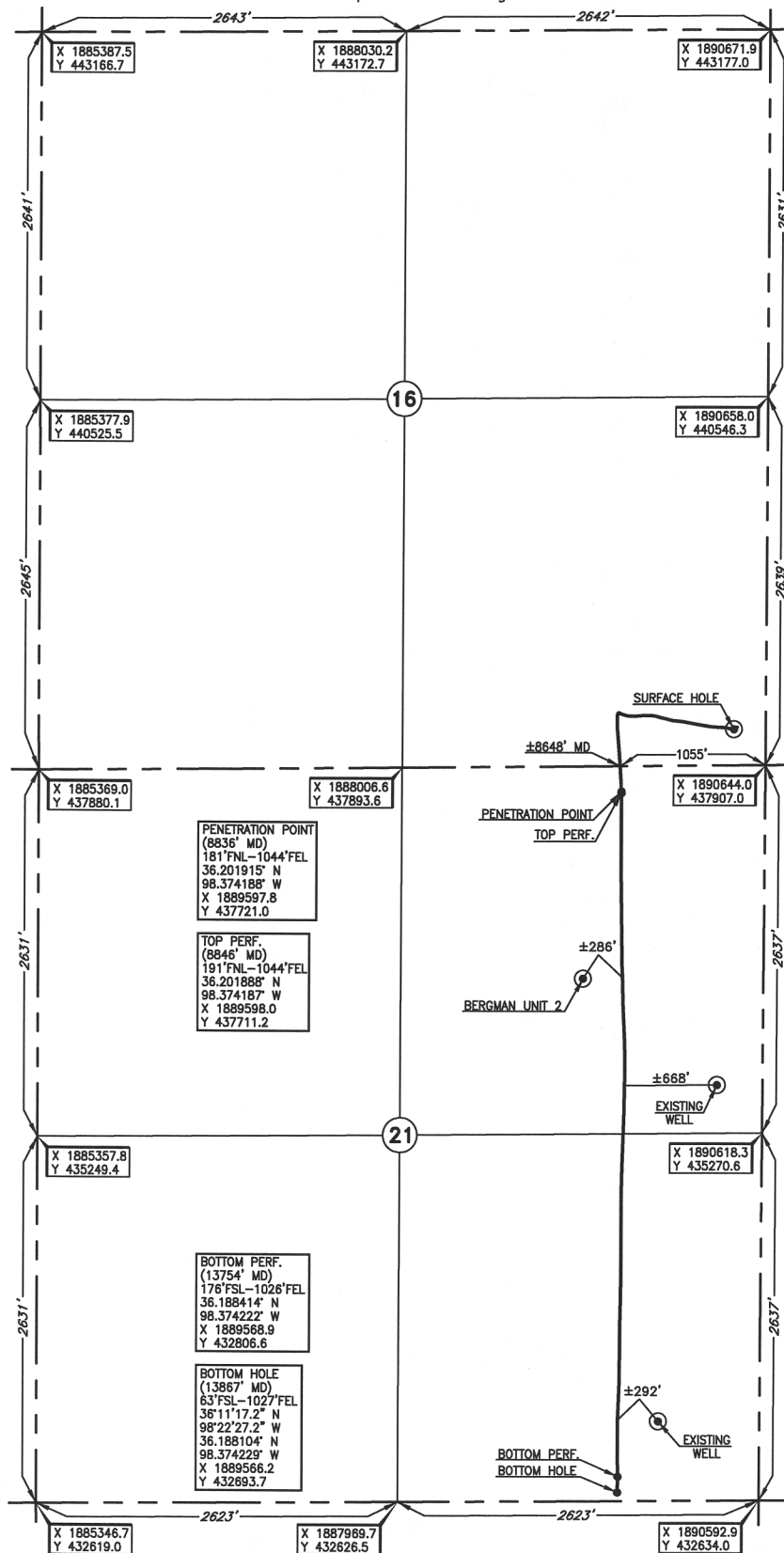
SEC	TWP	RGE	COUNTY
Spot Location	1/4	1/4	1/4
Depth of Deviation	Radius of Turn	Direction	Total Length
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Property Line:	

MAJOR _____ County, Oklahoma
 259'FSL - 231'FEL Section 16 Township 20N Range 11W I.M.



Operator: CHESAPEAKE OPERATING, L.L.C.
 Lease Name: HAYES 21-20-11
 Topography & Vegetation Loc. fell on level pad
 Good Drill Site? Yes
 Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From East off county road
 Distance & Direction from Hwy Jct or Town From Jct. St. Hwy. 58 N-S and US Hwy. 60, go ±4.0 mi. South on St. Hwy. 58,
then ±6.0 mi. East on county road to the SE Cor. of Sec. 16-20N-R11W

Well No.: 3H
 ELEVATION: 1263' Gr. at Level Pad



DATUM: NAD-27
 LAT: 36°12'11.3"N
 LONG: 98°22'17.1"W
 LAT: 36.203142° N
 LONG: 98.371428° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1890413.8
 Y: 438164.7

Project # 125083 Date of Drawing: Mar. 20, 2019
 Date Staked: Nov. 13, 2018 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY CHESAPEAKE OPERATING, L.L.C.