

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.: 35039225540000

Completion Report

Spud Date: October 10, 2018

OTC Prod. Unit No.: 039-225573-0-0000

Drilling Finished Date: February 03, 2019

1st Prod Date: June 04, 2019

Completion Date: June 04, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: CLAUSSEN 1-9H4X33

Purchaser/Measurer: ENABLE

Location: CUSTER 9 15N 15W
NW NE NE NE
325 FNL 520 FEL of 1/4 SEC
Latitude: 35.796963 Longitude: -98.79342
Derrick Elevation: 1810 Ground Elevation: 1790

First Sales Date: 06/04/2019

Operator: XTO ENERGY INC 21003

22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	702763		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	169	J-55	103			SURFACE
SURFACE	13 3/8	54.5	J-55	1470		960	SURFACE
INTERMEDIATE	9 5/8	40	P-110	10295		930	6523
PRODUCTION	5 1/2	23	P-110	23345		3290	5559

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

Total Depth: 23370

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
Jul 29, 2019	MISSISSIPPIAN	271	53.2	8981	33140	1481	FLOWING	3890	29/64	3238

Completion and Test Data by Producing Formation									
Formation Name: MISSISSIPPIAN				Code: 359MSSP			Class: GAS		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From			To		
685846		1280		13132			23231		
Acid Volumes				Fracture Treatments					
88,780 GALLONS HCL ACID				441,825 BARRELS FLUID, 1,963,240 POUNDS 100 MESH, 7,387,480 POUNDS 40/70, 8,601,540 POUNDS 30/50, 1,295,620 POUNDS 30/50 CRC					

Formation	Top
MISSISSIPPIAN	11831

Were open hole logs run? Yes

Date last log run: February 03, 2019

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks
There are no Other Remarks.

Lateral Holes
Sec: 33 TWP: 16N RGE: 15W County: DEWEY NE NW NE NE 38 FNL 692 FEL of 1/4 SEC Depth of Deviation: 12454 Radius of Turn: 681 Direction: 358 Total Length: 9846 Measured Total Depth: 23370 True Vertical Depth: 12655 End Pt. Location From Release, Unit or Property Line: 38

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1143723</div>

L.R. McBRIDE, INC.

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AUG 02 2019

Oklahoma Corporation
Commission

Form 1016
Rev. 2017

TEST: ☒ INITIAL
☐ ANNUAL
☐ RETEST

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000-2000

Oklahoma City, Oklahoma 73152-2000

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

DATE OF TEST:

07/29/19

DATE OF 1ST SALES: 06/04/19

Operator XTO ENERGY, INC.				Operator # 21003			
Address 210 PARK AVENUE, SUITE 2350				City OKLAHOMA CITY		ST OK ZIP 73102	
E-mail Karen_byers@XTOenergy.COM		Ph (405) 319-3212		Fax (405) 232-5778		Well Name/# CLAUSSEN 1-9H4X33	
Gas Volume Reporter ENABLE XTO				Gas Volume Reporter # 21003 22589		API # 039-22554	
Producing Zone MISSISSIPPIAN 359 M SSP						OTC Lease # 039-225573	
Surface Location 089 NW 1/4 NE 1/4 NE 1/4 NE 1/4				Sec 9 Twp 15N Rge 15W		(OCC use) Allowable # 225573 I	
Zone Location (if different) 043 1/4 NW 1/4 NE 1/4 NE 1/4				Sec 33 Twp 16N Rge 15W		County CUSTER	
Field				Spacing Size 1280 ac.(MU)			

COMPLETION: ☒ Single ☐ Multiple Zone ☐ Commingled ☐ Recompletion Date of Completion 06/04/19

Total Depth 23370	Plug Back Depth 23273	Packer Set Depth	Elevation 1790 G.L.
Csg Size 5.500	WT 23.0 d 4.670	Depth Set 23370	Perfs. 13132 - 23231 (MD)
Tbg Size	WT d	Depth Set	Perfs.
Prod. Thru CASING	Res. Temp. F 234 @ 12821	Mean Grd. Temp. F 60	Atm. Press. PSIA 14.4
L 18182 H 12821 G _g 0.6334 %CO ₂ 1.718 %N ₂ 0.330 H ₂ S(ppm)	Prover	Meter Run 6.065	Taps FLANGE

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
		PROVER			DIFF									
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS	(INCHES)	TEMP	PRESS	TEMP	PRESS	TEMP	PRESS	TEMP	
					(PSIG)	(ROOTS)								(F)
3890	24	6		2.000	986	130.4	120			3230	149			24.00

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P_m	FLOW TEMP. FACTOR F_t	GRAVITY FACTOR F_g	SUPER COMPRESS FACTOR F_{pv}	RATE OF FLOW (Q) MCFD
19.650	361.18	1000.4	0.9469	1.256	1.064	8981

P _r	TEMP. R	T _r	Z
1.49	580	1.58	0.884

Gas/Liquid Hydrocarbon Ratio	33.140	MCF/BBL
API Gravity of Liquid Hydrocarbons	53.2	Deg.
Specific Gravity Separator Gas	0.633	
Specific Gravity Flowing Fluid	0.723	
Critical Pressure	670 PSIA	668 PSIA
Critical Temperature	368 R	398 R

P_c 3904.4 (PSIA) P_c² 15244.3

P _w	P _w ²	P _c ² - P _w ²
3254.4	10591.1	4653.2

$$[1] \frac{P_c^2}{P_c^2 - P_w^2} = \frac{3.2761}{(Not to exceed 5.263)}$$

$$[2] \frac{P_c^2}{P_c^2 - P_w^2} = 2.7419$$

$$\frac{P_c^2}{P_c^2 - P_w^2} = \frac{24624}{24566}$$

Calculated wellhead open flow	24624	MCFD @ 14.65	Angle of Slope	49.6	Slope, n	0.8500
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Remarks Oil Production = 271 BPD ; Water Production = 1481 BPD

Note: Well is producing from sections in Custer & Dewey County.

Approved by Commission: Mark Huber	Conducted by: LRMI	Calculated by: BPM	Checked by:
WITNESSED - OCC FIELD STAFF: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		NAME: Mark Huber	DATE: 07-31-2019

NAA ✓ EZ

AR

L.R. McBRIDE, INC.

IF THE ALLOWABLE FOR THIS WELL HAS BEEN ADJUSTED BY COMMISSION ORDER, PLEASE GIVE THE ORDER NUMBER(S) IN ONE OR MORE OF THE CATEGORIES BELOW:

INCREASED DENSITY _____ LOCATION EXCEPTION * _____ 688322

COMMINGLING _____ MULTIPLE ZONE _____

SEPARATE OR SPECIAL ALLOWABLE * _____

OTHER PENALTY ORDER(S) * 685846: 1280-acre horizontal spacing (04-15N-15W & 33-16N-15W)

* FOR THESE ORDER TYPES, PLEASE DESCRIBE ALLOWABLES AND/OR PENALTIES:

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.

Barry Patrick McBride

Petroleum Consultant

SIGNATURE

TITLE

L.R. McBride, Inc.

08/01/19

(405) 670-1355

COMPANY

DATE

PHONE NO.

- Pc SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT-IN MINIMUM OF 24 HOURS).
- Pw STATIC COLUMN WELLHEAD PRESSURE CORRESPONDING TO THE FLOWING WELLHEAD PRESSURE, PSIA (TO BE RECORDED AT END OF EACH FLOW RATE.) THE VALUE OF Pw SHOULD NOT EXCEED 90% OF Pc.
- Gg SPECIFIC GRAVITY OF SEPARATOR GAS (AIR = 1.000).
- L LENGTH OF THE FLOW STRING FROM THE MIDDLE OF THE PRODUCING FORMATION TO THE PRESSURE POINT AT WELLHEAD, FEET.
- H VERTICAL DEPTH CORRESPONDING TO L, FEET.
- Q 24 HOUR RATE OF FLOW, MCF/D.
- d INSIDE DIAMETER, INCHES.
- R DEGREES, RANKINE (DEGREES FAHRENHEIT ABSOLUTE).
- Pr REDUCED PRESSURE, DIMENSIONLESS.
- Tr REDUCED TEMPERATURE, DIMENSIONLESS.
- Z COMPRESSIBILITY FACTOR, DIMENSIONLESS.

API NO. 039-22554
 OTC PROD. UNIT NO. 039-225573

(PLEASE TYPE OR USE BLACK INK ONLY)

OKLAHOMA CORPORATION COMMISSION
 Oil & Gas Conservation Division
 Post Office Box 52000
 Oklahoma City, Oklahoma 73152-2000
 Rule 165-10-3-25

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 OCT 07 2019
 OKLAHOMA CORPORATION COMMISSION

Form 1002A
 Rev 2008

☒ 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 Custer SEC 9 TWP 15N RGE 15W
 LEASE NAME Claussen 1-9H4X33 WELL NO
 NW 1/4 NE 1/4 NE 1/4 NE 1/4 FNL OF 1/4 SEC 325' FEL OF 1/4 SEC 520'
 ELEVATION Ground 1790 Latitude (if known) 35.796963 Longitude (if known) -98.79342
 OPERATOR NAME XTO Energy Inc OTC / OCC OPERATOR NO. 21003
 ADDRESS 210 Park Ave., Suite 2350
 CITY Oklahoma City STATE OK ZIP 73102

SPUD DATE 10/10/2018
 DRLG FINISHED DATE 2/3/2019
 DATE OF WELL COMPLETION 6/4/19
 1st PROD DATE 6/4/19
 RECOMP DATE
 OTC / OCC OPERATOR NO. 21003

640 Acres
 W E
 LOCATE WELL

COMPLETION TYPE

☒ SINGLE ZONE
☐ MULTIPLE ZONE Application Date
☐ COMMINGLED Application Date
 LOCATION EXCEPTION ORDER NO. 688322
 INCREASED DENSITY ORDER NO.

CASING & CEMENT (Attach Form 1002C)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	20"	169#	J-55	103'			
SURFACE	13 3/8"	54.5#	J-55	1470		960	Surface
INTERMEDIATE	9 5/8"	40#	P-110	10,295'		930	6,523'
PRODUCTION	5 1/2"	23#	P-110	23,370'		3290	8,226'
LINER				23,345'			
						TOTAL DEPTH	23,370'

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Mississippian					
SPACING & SPACING ORDER NUMBER	1280 / 685846					
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas					
PERFORATED INTERVALS	13,132' - 23,231'					
ACID/VOLUME	88780 gal HCl ACID					
FRACTURE TREATMENT (Fluids/Prop Amounts)	441,825 bbls fluid					
	1,963,240# 100 mesh	8,601,540# 30/50				
	7,387,480# 40/70	1,295,620# 30/50 CRC				

☒ Min Gas Allowable (165-10-17-7) OR Gas Purchaser/Measurer
☐ Oil Allowable (165-10-13-3) First Sales Date
 Enable Gath & Proc 6/4/2019

INITIAL TEST DATA

INITIAL TEST DATE	7/29/2019					
OIL-BBL/DAY	271					
OIL-GRAVITY (API)	53.2					
GAS-MCF/DAY	8981					
GAS-OIL RATIO CU FT/BBL	33,140					
WATER-BBL/DAY	1481					
PUMPING OR FLOWING	Flowing					
INITIAL SHUT-IN PRESSURE	3890					
CHOKE SIZE	29/64					
FLOW TUBING PRESSURE	N/A "OK"					

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.

Karen Byers SIGNATURE
 210 Park Ave., Suite 2350 ADDRESS
 Karen Byers NAME (PRINT OR TYPE)
 Oklahoma City OK 73102 CITY STATE ZIP
 8/1/19 DATE
 (405) 319-3212 PHONE NUMBER
 Karen_byers@xtoenergy.com EMAIL ADDRESS

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

WELL NO 1-9H4X33

NAMES OF FORMATIONS	TOP
Mississippian	11,831'

FOR COMMISSION USE ONLY

ITD on file ☐ YES ☐ NO

APPROVED _____ DISAPPROVED _____

2) Reject Codes _____

Were open hole logs run? X yes no

Date Last log was run 2/3/2019

Was CO₂ encountered? yes X no at what depths?


Was H₂S encountered? yes X no at what depths?

Were unusual drilling circumstances encountered? yes X no

If yes, briefly explain below

Other remarks.

640 Acres



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.

640 Acres

SEC	TWP	RGE	COUNTY			
Spot Location				Feet From 1/4 Sec Lines	FSL	FWL
1/4	1/4	1/4	1/4	BHL From Lease, Unit, or Property Line:		
Measured Total Depth		True Vertical Depth				

LATERAL #1									
SEC 33	TWP 16N	RGE 15W	COUNTY Dewey						
Spot Location							Foot From 1/4 Sec Lines		
1/4 NW 1/4 NE 1/4 NE 1/4							FNL 38'	FEL 692'	
Depth of Deviation 12,454'		Radius of Turn 653.2'		Direction 358.9 deg.			Total Length 10,760'		
Measured Total Depth 23,370'		True Vertical Depth 12,656'		BHL From Lease, Unit, or Property Line: 38' FNL & 692' FEL					

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:	

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:				