

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.: 35039225470000

**Completion Report**

Spud Date: August 07, 2018

OTC Prod. Unit No.: 039-225027-0-0000

Drilling Finished Date: October 18, 2018

1st Prod Date: January 25, 2019

Completion Date: January 25, 2019

**Drill Type:** HORIZONTAL HOLE

Well Name: RUBY 1-2H11X14

Purchaser/Measurer: ENABLE GATHERING AND  
PROCESSING

First Sales Date: 01/25/2019

Location: CUSTER 2 15N 15W  
SW SE SE SE  
275 FSL 530 FEL of 1/4 SEC  
Latitude: 35.798306 Longitude: -98.757473  
Derrick Elevation: 0 Ground Elevation: 1746

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	687346		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	133	J-55	105			
SURFACE	13 3/8	54.5	J-55	1471		965	SURFACE
INTERMEDIATE	9 5/8	39.99	P-110	10268		925	7268
PRODUCTION	5 1/2	23	P-110	23353		3280	5564

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

**Total Depth: 23355**

Packer		Plug	
Depth	Brand & Type	Depth	Plug Type
There are no Packer records to display.		There are no Plug records to display.	

Initial Test Data
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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 15, 2019	MISSISSIPPIAN	95	53.5	6328	66610	734	FLOWING	6080	18/64	4709

Completion and Test Data by Producing Formation									
Formation Name: MISSISSIPPIAN				Code: 359MSSP			Class: GAS		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From			To		
684940		1280		13004			23205		
Acid Volumes				Fracture Treatments					
2,500 GALLONS				416,420 BARRELS FLUID, 1,619,050 POUNDS 100 MESH SAND, 7,414,620 POUNDS 30/50 SAND, 7,603,776 POUNDS 40/70 SAND, 1,030,940 30/50 SAND CRC					

Formation	Top
MISSISSIPPIAN	12909

Were open hole logs run? Yes

Date last log run: October 14, 2018

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks
OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN ISSUED.

Lateral Holes
Sec: 14 TWP: 15N RGE: 15W County: CUSTER  SW SE SE SE  28 FSL 413 FEL of 1/4 SEC  Depth of Deviation: 12307 Radius of Turn: 428 Direction: 179 Total Length: 10346  Measured Total Depth: 23355 True Vertical Depth: 13312 End Pt. Location From Release, Unit or Property Line: 28

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1142417</div>

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APR 29 2019

Form 1002A  
Rev. 2009

API NO. 35-039-22547  
OTC PROD. 039-225027  
UNIT NO.

(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

Oklahoma Corporation  
Commission

☒ ORIGINAL  
☐ AMENDED (Reason) Location, class, init. test data, 1002C's  
signatures, API # & Perfs

## COMPLETION REPORT

TYPE OF DRILLING OPERATION  
☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE  
If directional or horizontal, see reverse for bottom hole location.

COUNTY Custer SEC 2 TWP 15N RGE 15W  
LEASE NAME Ruby 1-2H11X14  
SW 1/4 SE 1/4 SE 1/4 SE 1/4 FSL OF 275' FEL OF 530'  
ELEVATION Ground 1746.5' Latitude (if known) 35.798306 Longitude (if known) -98.757473  
OPERATOR XTO Energy Inc. OTC / OCC OPERATOR NO. 21003  
ADDRESS 210 Park Ave., Suite 2350  
CITY Oklahoma City STATE OK ZIP 73102

640 Acres


LOCATE WELL

COMPLETION TYPE  
☒ SINGLE ZONE  
☐ MULTIPLE ZONE  
☐ COMMINGLED  
LOCATION EXCEPTION ORDER NO. 68235T  
INCREASED DENSITY ORDER NO.

CASING & CEMENT (Attach Form 1002C)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	20"	133'	J-55	105'			
SURFACE	13 3/8"	54.5#	J-55	1471'		965	Surface
INTERMEDIATE	9 5/8"	39.99#	P-110	10,268'		925	7268'
PRODUCTION	5 1/2"	23#	P-110	23,353'		3280	5564'
LINER							
TOTAL DEPTH							23,355'

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 ac. / 684940  
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc Gas  
PERFORATED INTERVALS 13,004' - 23,205'  
ACID/VOLUME 2500 gals  
FRACTURE TREATMENT (Fluids/Prop Amounts) 416,420 bbls fluid  
1,619,050# 100 mesh 7,414,620# 30/50 sand  
7,603,776# 40/70 sand 1,030,940# 30/50 sand CRC

Reported to Frac Focus

Min Gas Allowable (165:10-17-7) OR Oil Allowable (165:10-13-3) Gas Purchaser/Measurer First Sales Date Enable Gathering & Proc 1/25/2019

INITIAL TEST DATA

INITIAL TEST DATE	4/2/2019
OIL-BBL/DAY	136
OIL-GRAVITY (API)	55.6
GAS-MCF/DAY	19740
GAS-OIL RATIO CU FT/BBL	145,147:1
WATER-BBL/DAY	1613
PUMPING OR FLOWING	Flowing
INITIAL SHUT-IN PRESSURE	4364
CHOKE SIZE	38/64"
FLOW TUBING PRESSURE	2610# FCP

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.

Karen Byers  
210 Park Ave., Ste. 2350 Oklahoma City OK 73102  
ADDRESS CITY STATE ZIP

Karen Byers  
4/26/2019 405-232-4011  
NAME (PRINT OR TYPE) DATE PHONE NUMBER  
karen\_byers@xtoenergy.com  
EMAIL ADDRESS

Image behind other 1002A as submitted

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MAR 26 2019

Form 1002A

Rev. 2009

API NO. 35-039-22547  
DTC PROD. 039-225027  
UNIT NO.

(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

Oklahoma Corporation  
Commission

☒ ORIGINAL  
☐ AMENDED (Reason)

COMPLETION REPORT

TYPE OF DRILLING OPERATION  
☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE  
If directional or horizontal, see reverse for bottom hole location.

COUNTY Custer SEC 2 TWP 15N RGE 15W  
LEASE NAME Ruby  
SW 1/4 SE 1/4 SE 1/4 SE 1/4 FSL OF 275  
ELEVATION Ground 1746.5  
Derrick FL  
OPERATOR NAME XTO Energy Inc.  
ADDRESS 210 Park Ave., Suite 2350  
CITY Oklahoma City STATE OK ZIP 73102

SPUD DATE 8/7/2018  
DRLG FINISHED DATE 10/18/2018  
DATE OF WELL COMPLETION 1/25/2019  
WELL NO. 1-2H111  
DATE 1/25/2019  
RECOMP DATE  
Latitude (if known) 35.798306 Longitude (if known) 98.757473  
OTC/CCC OPERATOR NO. 21003

640 Acres

W E

LOCATE WELL

COMPLETION TYPE

☒ SINGLE ZONE  
☐ MULTIPLE ZONE  
Application Date  
COMINGLED  
Application Date  
LOCATION EXCEPTION Interim order 687346  
ORDER NO.  
INCREASED DENSITY  
ORDER NO.

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	20"	133"	J-55	105			
SURFACE	13 3/8"	54.5#	J-55	1471		965	Surface
INTERMEDIATE	9 5/8"	39.99#	P-110	10,268		925	7,268
PRODUCTION	5 1/2"	23#	P-110	23,353		3280	5564
LINER							
				TOTAL DEPTH	23355'		

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION - Meramec Mississippian  
SPACING & SPACING ORDER NUMBER 1280 / 684940  
CLASS: Oil, Gas, Dry, Int, Disp, Comm Disp, Svc  
13,004' - 23,205' Gas per GOR  
PERFORATED INTERVALS  
ACID/VOLUME 2500 gals  
FRACTURE TREATMENT (Fluids/Prop Amounts)  
416,420 bbls fluid, sand  
1,619,050# 100 mesh 7,414,620# 30/50 sand  
7,603,776# 40/70 sand 1,030,940# 30/50 sand CRC

Reported  
to Frac Focus

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

Gas Purchaser/Measurer

Enable Gathering & Proc



OR  
Oil Allowable (165:10-13-3)

First Sales Date

1/25/2019

INITIAL TEST DATA

INITIAL TEST DATE 3/15/2019  
OIL-BBL/DAY 95  
OIL-GRAVITY (API) 53.5  
GAS-MCF/DAY 6328  
GAS-OIL RATIO CU FT/BBL 66610:1  
WATER-BBL/DAY 734  
PUMPING OR FLOWING Flowing  
INITIAL SHUT-IN PRESSURE 6080#  
CHOKE SIZE 18/64"  
FLOW TUBING PRESSURE 4709# FCP

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., Ste. 2350  
ADDRESS  
Oklahoma City  
CITY  
OK  
STATE  
73102  
ZIP  
3/25/19  
DATE  
405-232-4011  
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. 1-2H11X14

UNITED THROUGH. SHOW INTERVALS CORRECTION OF UNIFORM REVIEW.	
NAMES OF FORMATIONS	TOP
Meramec	12,909'

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? X yes      no

Date Last log was run 10/14/2019 - 2018 PM

Was CO<sub>2</sub> encountered?      yes X no at what depths?                     

Was H<sub>2</sub>S encountered?      yes X no at what depths?                     

Were unusual drilling circumstances encountered?      yes X no

If yes, briefly explain below.

Other remarks:

Well was SI for a couple of weeks, and we will send an amended Completion Report with an amended well test.

640 Acres

X

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.

640 Acres

**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	Feet From 1/4 Sec Lines
			FSL
		FWL	
BHL From Lease, Unit, or Property Line:			

**BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)**

LATERAL #1									
SEC	14	TWP	15N	RGE	15W	COUNTY		Custer	
Spot Location		SW 1/4		SE 1/4	SE 1/4	Feet From 1/4 Sec Lines		FSL	50' 28'
Depth of Deviation		12,307'		Radius of Turn		428.4'		Direction	179.2 deg.
Measured Total Depth		23355'		True Vertical Depth		13,312		BHL From Lease, Unit, or Property Line:	
						28		50' FSL & 400' FEL	

LATERAL #2						
SEC	TWP	RGE	COUNTY			
Spot Location						
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:			

LATERAL #3						
SEC	TWP	RGE	COUNTY			
Spot Location						
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:			

# L.R. McBRIDE, INC.

TEST: ☒ INITIAL  
☐ ANNUAL  
☐ RETEST

OKLAHOMA CORPORATION COMMISSION  
 Oil & Gas Conservation Division  
 Post Office Box 52000-2000  
 Oklahoma City, Oklahoma 73152-2000

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Form 1016  
 Rev. 2017

APR 10 2019

## BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

Oklahoma Corporation  
 Commission

DATE OF TEST: 04/02/19

DATE OF 1<sup>ST</sup> SALES: 01/25/19

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/# RUBY # 1-2H11X14	
Gas Volume Reporter ENABLE MIDSTREAM				Gas Volume Reporter # 22589		API # 35-039-22547	
Producing Zone MERAMEC (MISSISSIPPIAN) 353 MRMC				OTC Lease # 039-225027			
Surface Location SW 1/4 SE 1/4 SE 1/4 SE 1/4		Sec 2		Twp 15N	Rge 15W	(OCC use) Allowable # 225027 I	
Zone Location (if different) SW 1/4 SE 1/4 SE 1/4 SE 1/4		Sec 14		Twp 15N	Rge 15W	County CUSTER	
Field PUTNAM				Spacing Size 1280 ac.(MU)			

COMPLETION: ☒ Single ☐ Multiple Zone ☐ Commingled ☐ Recompletion Date of Completion

Total Depth 23355	Plug Back Depth 23254	Packer Set Depth	Elevation 1746.5 G.L.
Csg Size 5.500	WT 23.0 d 4.670	Depth Set 23353	Perfs. 13004 - 23203 (MD)
Tbg Size	WT d	Depth Set	Perfs.
Prod. Thru CASING	Res. Temp. F 236 @ 13090	Mean Grd. Temp. F 60	Atm. Press. PSIA 14.4
L 18104 H 13090 G <sub>g</sub> 0.6215 %CO <sub>2</sub> 0.867 %N <sub>2</sub> 0.345 H <sub>2</sub> S(ppm)	Prover	Meter Run 6.071	Taps FLANGE

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
PRESS	(HRS)	PROVER		DIFF		TEMP	PRESS	TEMP	PRESS	TEMP	PRESS	TEMP		
		LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)								(INCHES) (ROOTS)	
4364	24	6		2.000	935.3	294.1	109			2610	152			24.00

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P <sub>m</sub>	FLOW TEMP. FACTOR F <sub>t</sub>	GRAVITY FACTOR F <sub>g</sub>	SUPER COMPRESS FACTOR F <sub>pv</sub>	RATE OF FLOW (Q) MCFD
19.650	528.53	949.7	0.9560	1.268	1.064	13402

P <sub>r</sub>	TEMP. R	T <sub>r</sub>	Z
1.42	569	1.56	0.883

Gas/Liquid Hydrocarbon Ratio	98.544	MCF/BBL
API Gravity of Liquid Hydrocarbons	55.6	Deg.
Specific Gravity Separator Gas	0.622	Specific Gravity Flowing Fluid 0.652
Critical Pressure 671 PSIA		Critical Pressure 670 PSIA
Critical Temperature 365 R		Critical Temperature 375 R

P<sub>c</sub> 4378.4 (PSIA) P<sub>c</sub><sup>2</sup> 19170.4

P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
2648.5	7014.6	12155.8

[1]  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5771$  (Not to exceed 5.263)

[2]  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4729$  WHAOF=Q

$\frac{P_c^2}{P_c^2 - P_w^2} = 19740$

Calculated wellhead open flow	19740 MCFD @ 14.65	Angle of Slope	49.6	Slope, n	0.8500
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Remarks Oil Production = 136 BPD ; Water Production = 1613 BPD

684940: 1280-acre horizontal (Secs. 1 & 14)			
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: 04-04-2019

(over)

SCANNED

DR



# 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 \* \_\_\_\_\_ 682351

COMMINGLING \_\_\_\_\_ MULTIPLE ZONE \_\_\_\_\_

SEPARATE OR SPECIAL ALLOWABLE \* \_\_\_\_\_

OTHER PENALTY ORDER(S) \* \_\_\_\_\_

\* 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.

  
SIGNATURE

Petroleum Consultant

TITLE

L.R. McBride, Inc.

04/04/19

(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.