#### Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165: 10-3-25

**Completion Report** 

Spud Date: March 11, 2018

OTC Prod. Unit No.: 019-225293-0-0000 Drilling Finished Date: May 03, 2018

1st Prod Date: June 06, 2019

Completion Date: June 06, 2019

First Sales Date: 06/06/2019

**Drill Type: HORIZONTAL HOLE** 

API No.: 35019262860000

Well Name: LAWSON 2-13H14X Purchaser/Measurer: TARGA ETC

CARTER 13 3S 2E NE SE SE SE Location:

630 FSL 289 FEL of 1/4 SEC

Latitude: 34.290417 Longitude: -97.038855 Derrick Elevation: 0 Ground Elevation: 716

XTO ENERGY INC 21003 Operator:

22777 SPRINGWOODS VILLAGE PKWY

SPRING, TX 77389-1425

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
674574

Increased Density
Order No
674281
674954

		Cas	ing and Ceme	ent			
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	94	J-55	110			
SURFACE	9 5/8	36, 50	J-55	2008		510	SURFACE
PRODUCTION	5 1/2	23	P-110	22846		2875	6310

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
			There are	no Liner record	ds to displa	ay.		

Total Depth: 22846

Pac	:ker		
Depth Brand & Type			
There are no Packer records to display.			

Pl	ug	
Depth	Plug Type	
There are no Plug	records to display.	

**Initial Test Data** 

October 03, 2019 1 of 2

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 16, 2019	WOODFORD	249	57	4335	17410	1200	FLOWING	1303	31/64	1049

## Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders				
Order No	Unit Size			
197431	640			
702004	MULTIUNIT			

Perforated Intervals			
From	То		
12609	22697		

Acid Volumes	
10,000 GALLONS	

Fracture Treatments
36 STAGES - 512,845 BBLS TREATED WATER, 1,619,880 POUNDS 100 MESH SAND, 13,863,264 POUNDS 40/70 SAND

Formation	Тор
WOODFORD	12333

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

Were unusual drilling circumstances encountered? No Explanation:

## Other Remarks

IRREGULAR SECTION

#### Lateral Holes

Sec: 14 TWP: 3S RGE: 2E County: CARTER

SW SW NW SW

1490 FSL 50 FWL of 1/4 SEC

Depth of Deviation: 12000 Radius of Turn: 515 Direction: 274 Total Length: 10036

Measured Total Depth: 22846 True Vertical Depth: 12091 End Pt. Location From Release, Unit or Property Line: 1490

## FOR COMMISSION USE ONLY

1143561

Status: Accepted

October 03, 2019 2 of 2

Form 1002A Rev. 2009

NO. 019-26286	PLEASE TYPE OR US	SE BLACK INK ONLY OTE:	OF	OKLAHOMA CORPORATION COMMISSION				JUL 1 92019			
OTC PROD. 019-225293		•	Oil & Gas Conservation Division Post Office Box 52000			Division	Oklahoma Corporation				
XORIGINAL	if recompletion	n or reentry.	Oklahoma City, Oklahoma 73152-2000			73152-2000	Okianoma Corporation Commission				
AMENDED (Reason)				Rule 165:10-3-25  COMPLETION REPORT			COMMISSION				
TYPE OF DRILLING OPERAT	_		SPUD	DATE	3/11/20	018		640 Acres			
STRAIGHT HOLE SERVICE WELL	DIRECTIONAL HOLE	X HORIZONTAL HOLE		FINISHED							
· · · · · · · · · · · · · · · · · · ·	reverse for bottom hole location		DATE	OF WELL	5/3/20			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
5405		WP 3S RGE 2E	COME	PLETION	6/6/20						
NAME L	awson 2-13H14X	NO.	1st PF	ROD DATE	6/6/20						
NE 1/4 SE 1/4 SE	1/4 <b>SE</b> 1/4 FSL OF 1/4 SEC	630 (FEL)OF 2		MP DATE		w		1			
ELEVATIO N Derrick Grou	nd 716' Latitude (if	known) 34.2904:	Longit 17 (if kno		97.038	855					
DPERATOR NAME	XTO Energy Inc	C.	OTC/OCC OPERATOR	R NO.	2100	3					
ADDRESS	210 P	ark Avenue, Suit		188							
CITY O	klahoma City	STATE	Oklaho	oma ZIP	7310	2					
COMPLETION TYPE		CASING & CEMEN	IT (Form 100	02C must be	attached)		<b>.</b>	OCATE WEL	-L		
X SINGLE ZONE		TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT		
MULTIPLE ZONE Application Date		CONDUCTOR	20	94	J-55	110			9950		
COMMINGLED Application Date	701455 F.D.	SURFACE	9 5/8"	36,50	J-55	2008		510	Surface		
OCATION EXCEPTION ORDER	,674574	INTERMEDIATE									
NODE A CED DENICITY	674954, 674281	PRODUCTION	5 1/2"	23	P-110	22,846		2825	6310		
		LINER						2875			
PACKER @ BRAI	ND & TYPE	PLUG @	TYPE		PLUG @	TYPE		TOTAL DEPTH	22,846		
PACKER @BRAI	ND & TYPE	PLUG @	TYPE			TYPE		DEFIN [			
	A BY PRODUCING FORMA	ATION 319WI	OFD						. /		
ORMATION SPACING & SPACING	Woodford	27.00	F.O.	41.	()			Re	exorted		
PRDER NUMBER ELASS: Oil, Gas, Dry, Inj,	640: 197431	70200	4 (M	ultiun	117)			to	Fracto		
Disp, Comm Disp, Svc	Gas										
PERFORATED	36 Stages				7						
TERVALS	12609-22697										
ACID/VOLUME	10,000 gals										
RACTURE TREATMENT	512,845 BTW										
Fluids/Prop Amounts)	1,619,880# 100 Mes							6	yh ya		
	13,863,264# 40/70						39.00				
	Min Gas A		:10-17-7)			:haser/Measurer		Targa	, ETC		
NITIAL TEST DATA	Oil Allowa	R ble (165:10-13-3)			First Sale	es Date	-	6/6/2	2019		
NITIAL TEST DATE	7/16/2019	,		- 0.5					The state of the s		
DIL-BBL/DAY	249				-						
DIL-GRAVITY ( API)	57										
GAS-MCF/DAY	4335		1	111111	111111						
SAS-OIL RATIO CU FT/BBL	17410										
VATER-BBL/DAY	1200			IVG	SII	BMIT					
				NU	JU	PIIII I			-		
UMPING OR FLOWING	Flowing										
NITIAL SHUT-IN PRESSURE	1303 psi			1111111	шш	111111111	mmin	U			
HOKE SIZE	31/64"						1902				
LOW TUBING PRESSURE	1049 psi										
A record of the formations dril	led through, and pertinent rema	arks are presented on the	reverse. I de	clare that I ha	ve knowledge	of the contents of the	nis report and am	authorized by	my organization		
When was	prepared by me or under my s	supervision and direction, v	with the data	<sup>and facts state</sup> Vaggoner	ed herein to be	true, correct, and c	complete to the be 7/17/2019	st of my know	vledge and belief. 5-319-3243		
SIGNAT	0 0 - 1 - 1/0 -			IT OR TYPE	1.	<del></del> -	DATE		ONE NUMBER		
210 Park Avenu	e, Suite 2350	Oklahoma City	Ok	73102		debbie	waggoner@x				
ADDRE	CITY	STATE	ZIP			EMAIL ADDR	Course Committee				

## PLEASE TYPE OR USE BLACK INK ONLY

1:

FORMATION Give formation names and tops, if available, or do Irilled through. Show intervals cored or drillstem	escriptions and thickness of formations	LEASE NAME	LAWSON	WELL NO. 2-13H1
IAMES OF FORMATIONS	TOP		FOR COMMI	ISSION USE ONLY
Voodford	12333'	ITD on file	ES NO	
		APPROVED D	ISAPPROVED 2) Rejec	et Codes
			<u> </u>	
			Name of the Control o	
		Were open hole logs run	?yes _X_ no	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Date Last log was run		
			yes _X_no	at what depths?
		Was CO <sub>2</sub> encountered?		at what depths?
		Was H <sub>2</sub> S encountered?	yesno	
		Were unusual drilling circ	cumstances encountered?	yes _Xno
		li yes, briefly explain bek	<b>,,,</b>	
				C V
ner remarks: Irregular Section				
640 Acres	Spot Location 1/4 1/4 Measured Total Depth  BOTTOM HOLE LOCATION FOR	GE COUNTY	Feet From 1/4 Sec Lines BHL From Lease, Unit, or Pro	FSL FWL perty Line:
	Spot Location		Feet From 1/4 Sec Lines	FSL 1490 FWL
	SW 1/4 SW 1/4		/4 Peet Floir 1/4 Sec Lines Direction	
re than three drainholes are proposed, attach a	Deviation 12000	515.7	274.8°	Length 10036.0
rate sheet indicating the necessary information.	Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Pro	FSL & 50' FWL
tion must be stated in degrees azimuth.	22,846	12,091	1490	T OL & SO T VVL
se note, the horizontal drainhole and its end t must be located within the boundaries of the	LATERAL #2			
e or spacing unit.	SEC TWP RO	GE COUNTY		
ectional surveys are required for all	Spot Location		Feet From 1/4 Sec Lines	FSL FWL
inholes and directional wells. 640 Acres	1/4 1/4 Depth of	4 1/4 1 Radius of Turn	Direction	Total
0.0710.00	Deviation			Length
<del></del>	Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Pro	perty Line.
	LATERAL #3			
	SEC TWP RO	GE COUNTY		
	Spot Location		Feet From 1/4 Sec Lines	FSL FWL
	1/4 1/4 Depth of	4 1/4 1 Radius of Turn	Direction	Total
	Deviation			Length
	Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Pro	perty Line.

# L.R. McBRIDE, INC. RECEIVED

TEST:	X	INITIAL
		ANNUAL
		RETEST

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division

Oil & Gas Conservation Division Post Office Box 52000-2000 Oklahoma City, Oklahoma 73152-2000 OCT 3 0 2019

Form 1016 Rev. 2018

Oklahoma Corporation Commission

11,1,19

## BACK PRESSURE TEST FOR NATURAL GAS WELLS

Operator	VTO				D	ATE OF TEST	: /	07/3	1/19	DATE	OF 1 <sup>ST</sup> SA	NLES: /	06/06/19
		ENERGY					(			Opera	tor#	2	1003
Address	210 F	'ARK AVE	NUE, SUIT	E 2350			City C	KLAH	OMA CITY	ST	OK Z	P	73102
		waggone	r@xtoener	GV.com	Ph 405-	319-3243	Fax	405-2	36-0995	Well Name/	, LAW	- ellie	2-13H14
Gas Volumes Reported to 0	occ by:	ETC FI	ELD SERVI	CES, LLC		Gas Volume Reporter #		228	65	API#		019-2	380
Producing Zone	WOO	DFORD	319 W	DFD		INSpuries #				OTC			
Surface Calion	630'F	SL & 289'	FEL NE 1/	4 SE 1/4 SE	1/4 SE 1/4	Sec 13	Twp	38	- 05	Lease (OCC		019-2	225293
Zone Location	1490	FSL & 50'F		4 SW 1/4 NW			-		Rige 2E	Allowal		see	below)
if different)	ARDM			- O11 1144	1/4 SVV 1/4	Sec 14	Twp	38	Rge 2E	County		CART	ER
		IORE								Spacin	g Size	64	10 AC.
OMPLETIO	N:	X Sing	ile	Multiple Zone	Con	mingled	Re	complet	ion Dat	e of Con	npletion	06	/06/19
ofal Depth		22846	Plug Back		22760	Packer Se	Depth:			Elevation		716	G.L.
og Size	-	.875	WT	23 d	4.670	Depth Se		22	846	Perfs.	1260		97 (MD)
rod. Thru	The second second second	TUBING	WT Res. Ten	6.5 d	2.441	Depth Se	Military and the second		441	Perfs.			
17653	-	2196 G,	0.7793 %0		@ 121	96 Mean Gr	Married Street, or other Designation of the last of th		60	Daniel Bernellinson	es. PSIA		14.4
SHUT-IN		T T	0.7733	FLOW DATA	%N <sub>2</sub> 2.919	H₂S(ppm)	Pro	ver	Mete	r Run	3.068	Taps	FLANG
OFFICE PART	JATA		PROVER	PLOW DATA	DIFF		TUBIN	IG DATA	CASING	DATA	ВНР	DATA	Verilla San
PRESS	(HRS)	LINE	X	IFICE PRESS	- 1	_	PRESS	TEME		TEMP	PRESS	a continued in	FLOW (HRS)
1519	24	3	20000000000000	000 324	(ROOTS		(PSIG) 705	(F) 118	(PSIG) 1062	(F) 118	(PSIG)	(F)	
COEFFIC	IENT (24 I	HOUR)	√h.p.,	PRESSURE	FLOW TEMP. F	ACTOR	RAVITY F		SUPER		se I	RATE OF	24.00
	21.86		217.93	9 <sub>m</sub> 338.4	F <sub>1</sub>		Fg			OR Fpv		(Q) M	
			217.50	336.4	0.963	5	1.13	3	1.	039		540	14
0.51		TEMP: R	Т,	Z	[	Sas/Liquid Hyd	rocarbon R	latio		22.517 MCF/BI			MCF/BBL
0.31		560	1.35	0.926		PI Gravity of Li		carbons			49.7	A. Carlotte	Deg.
					S	pecific Gravity eparator Gas		0.7		pecific G owing Fl		0.	905
1533	24)	(PSIA)	- 2		P	ritical ressure	66	6	COM B	ritical ressure		662	PSIA
		(1-01/1)	P <sub>e</sub> <sup>2</sup>	2351.3		ritical emperature	41	5		ritical emperatu	lre.	457	R
P <sub>w</sub>		P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		Mul	Himit	-, (	300	. 13:		-	225	202
1076.4	1	158.6	1192.7				- ?		1419			220	non
P. 2	=	1.9	715	Г р	2 1				-			5-11	/
Pe2 - Pu2		-	seed 5.263)	[2] P <sub>c</sub> <sup>2</sup>	P <sub>w</sub> .	1.7806	à w	VHAOF=Q	P <sub>c</sub> <sup>2</sup> .	CONTRACTOR	•	9623	
lated wellhea			9623	MC	FD @ 14.65	I <sub>a</sub>	ngle of Sid		<b>——</b>	1977		1	26)
arks Oil P	roductio	on = 240 E	3PD ; Wate	Production =	= 1013 BPD		rigia di Git	ipa	49.6	Slope,	n	0.850	0
											************		
ved by Comm ard Welch	nission:	JR	Conducted t			Calculated b	y;		Ick	ecked by			gram of a
NESSED -		FIDSTA	F: Y	LRMI			BPI	1	Jon.	ounce by.	ry draw T	V.	
7	the standards		<u> </u>	N X NA	(over)		De			ATE:	8-6	>-/	9
_								1.00		स्तर्ग			

## 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:

INCREASE	D DENSITY	674954, 674281	LOCATION EXCEPTI	674574 ON <sup>*</sup>				
COMMING	LING		MULTIPLE ZONE					
SEPARATE	OR SPECIAL ALI	OWABLE*						
OTHER PE	NALTY ORDER(S)	* Multiput to:	702004					
* FOR THE	SE ORDER TYPE:	S, PLEASE DESCRIBE ALLOWABL	ES AND/OR PENALTIES:					
which v	was prepared by m	ledge of the contents of this report a e or under my supervision and direc ne best of my knowledge and belief.	and am authorized by my organition, with the data and facts sta	ization to make this report, ted herein to be true,				
h los	bhui 1	lamama)		Regulatory Coordinator				
SIGNA	TURE	The second secon	TITLE					
	XTO En	ergy, Inc.	8-8-2019	(405) 319-3243				
COMP	ANY		DATE	PHONE NO.				
Pc	SHUT-IN PRESS	URE, PSIA (LENGTH OF SHUT-IN	MINIMUM OF 24 HOURS).					
Pw	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		E FLOW STRING FROM THE MIDD NT AT WELLHEAD, FEET.	LE OF THE PRODUCING FOR	MATION TO THE				
Н	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.							