

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--





Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

Date Started	<b>4/11/2023</b>
Date Completed	<b>4/12/2023</b>

Operator	A.P.I #	County	State
<b>Fastrak Energy, LLC</b>	<b>15-099-24722-00-00</b>	<b>Labette</b>	<b>Kansas</b>

Well No.	Lease	Section	Township	Range
<b>AIM 1</b>	<b>Goins</b>	<b>17</b>	<b>33</b>	<b>19 E</b>

Type of Well	Driller	Cement	Surface	TD	Size of Hole
<b>Oil</b>	<b>Billy Thornton</b>		<b>20' 9" 8 5/8</b>	<b>1153</b>	<b>6 3/4</b>

0-2	DIRT	404-413	LIME	854-885	GRAY LIME / HARD
2-31	LIME	407	<b>GAS TEST - 7#, 1/16</b>	885-894	CHATT & CHERT
31-96	SHALE	413-414	COAL	894-895	CHERT / SOFT
96-97	LIME	414-484	SHALE	895-910	LIME
97-104	SANDY SHALE	432	<b>GAS TEST - 22#, 1/16</b>	910-960	CHATT
104-140	SHALE	484-497	BLACK SHALE	960-1014	CHERT & CHATT /
140-162	LIME	497-520	SANDY SHALE		PICKED UP SOME WATER
162-167	BLK SHALE (LEXINGTON)	520-660	SHALE	1014-1077	GRAY LIME/ HARD
167-168	LIME	660-665	BLACK SHALE	1077-1084	GREEN SHALE
168-200	SHALE	665-677	SHALE		(WOODFORD)
200-208	SAND (PRUE)	677-679	BLACK SHALE	1084-1089	GRAY LIME
208-218	SHALE	679-722	SHALE	1089-1091	BLACK SHALE
218-245	LIME (OSWEGO)	722-724	BLACK SHALE	1091-1102	GRAY LIME
245-251	BLK SHALE (SUMMIT)	724-730	SHALE	1102-1113	BLACK SHALE
251-267	LIME	730-732	BLACK SHALE		(CHATTANOOGA)
267-271	BLK SHALE (MULKY)	732-745	SHALE	1113-1153	SANDY LIME
271-275	LIME	732	<b>GAS TEST- 10#, 1/4</b>		(ARBUCKLE)
275-292	SHALE	745-747	LIME	1153	TD
292-293	LIME	747-756	BLACK SHALE		
293-313	SHALE	756-757	COAL		
307	<b>GAS TEST - SLIGHT BLOW</b>	757-759	SHALE		
313-317	BLK SHALE	757	<b>GAS TEST- SAME</b>		
317-342	SHALE	759-798	MISS. CHAT LIME /		
342-343	COAL		GOOD OIL ODOR		
343-346	LIME	777	WENT TO WATER		
346-375	SHALE	798-802	CHERT		
375-380	BLACK SHALE	802-809	GRAY LIME		
380-382	SHALE	809-836	BROWN LIME		
382-383	COAL / DAMP	836-849	GRAY LIME		
383-404	SANDY SHALE	849-854	CHERT		



## Geological Report

Goins #AIM 1

NE-NE-NE-SW, Sec. 17, T33S, R19E,

224' FSL & 2365' FWL

Labette County, KS

API# 15-099-24722-00-00

**Operator:** Fastrak Energy, LLC, Kris Kowalsky, 543A 22000 Rd., Cherryvale, KS 67335

**Drilling Contractor:** Thornton Air Rotary, LLC, Billy Thornton, Driller, Shramm air rotary rig

**Wellsite Geologist:** Mark Brecheisen - on location from 21' to T..D.

**Date Drilled:** April 12, 2023

**Size of Hole:** 6 3/4"

**Total Depth:** 1,153'

**Elevation:** 885' (estimated)

**Drilling Fluid:** Compressed air with injected water

**Surface Casing:** 21' of 8 5/8" casing cemented with 6 sacks of cement to surface

**Formation Tops:** Formation tops correlated to electric log

**Electric Logs Run:** Litho Density Neutron Log, Dual Induction LL3/GR Log

**Status:** Gas Well

<b>Gas Shows:</b>	Summit & Mulky Black Shales	307'	Trace
	Bevier Coal	341-343'	2.4mcf/day
	Croweberg Coal	381-382'	↓ Test done at 407'
	Fleming Coal	389-390'	
	Mineral Coal	415-417'	4mcf/day
	Pittsburg-Weir Black Shale & Coal	494'-495'	31mcf/day
	Riverton Coal	751-753'	31mcf/day
<b>Oil Shows:</b>	Mississippian	765', 780'	Trace oil show

**Water Encountered:** Refer to the driller's log for description of water encountered.

**On Location:** April 12, 2023, 7:10 A.M. Drilling Depth of 21', left@ TD 1153', ~ 4:00 P.M.

**Notes:** Well cuttings were examined at rig and discarded. Samples of zones of interest were saved and examined with binocular microscope and UV light.



0-140' Samples not examined.

**Top of the Pawnee Limestone at 140' (+715')**

- 140-160' Limestone, pinkish brown, fine crystalline, slightly porous, no petroliferous odor or show
- 160-162' Dark gray shale
- 162-168' Lexington shale, black, slightly carbonaceous, fissile
- 168-171' Limestone, light brown, hard, dense, no porosity observed
- 171-218' Shale, light to medium dark gray, silty to sandy in part, micaceous in part

**Top of Oswego Limestone at 218' (+667')**

- 218-245' Limestone, olive gray to light brown, fine to medium crystalline, hard, dense, slightly sucrosic, no petroliferous odor or show
- 245-249' Summit shale, grayish black to black, fissile, slightly blocky
- 249-266' Limestone, olive gray to light brown, fine to medium crystalline, hard, dense, slightly sucrosic, trace dark gray shale in some limestone sample, no petroliferous odor or show
- 266-269' Mulky shale, grayish black to black, fissile, slightly blocky, no coal present
- 269-274' Limestone, medium dark to dark brown, fine crystalline, hard, silty/sandy texture
- 274-341' Shale, medium dark to dark gray, silty, sandy in part, traces of limestone present in scattered samplings
- 341-343' Bevier coal, black, blocky, vitreous luster, carbonaceous
- 343-372' Shale, dark gray to black with interbedded limestone present

**Top of Verdigris (Ardmore Limestone) 372' (+513')**

- 372-374' Limestone, dark brown, very fine crystalline, very hard, dense, conchoidal fracturing
- 374-381' Croweberg shale, dark gray to grayish black, non-carbonaceous
- 381-382' Croweberg coal, black, blocky with many vertical cleat faces present, carbonaceous
- 382-389' Shale, dark gray to black, fissile
- 389-390' Fleming coal, black, blocky, vitreous to glassy luster, conchoidal fracture surfaces
- 390-415' Shale, medium dark gray with traces of interbedded limestone present, silty in part
- 415-417' Mineral coal, black, semi-vitreous, irregular surfaces, locally flat cleat faces
- 417-490' Shale, medium dark gray to brownish gray, trace of chocolate brown interbedded limestone, silty to sandy in part
- 490-494' Pittsburg-Weir black shale, dark gray to black, non-carbonaceous



- 494-495' Pittsburg-Weir coal, black, metallic luster, laminated, irregular surfaces
- 495-657' Shale, medium to dark gray, silty to sandy in part, scattered traces of olive-gray limestone present, no petroliferous odor or show
- 657-667' Shale, dark gray to black, blocky, fissile
- 667-751' Shale, medium dark to dark gray, silty to sandy in part, trace coal present in few samplings
- 751-753' Riverton coal, black, massive, matte to vitreous luster, locally grainy, locally blocky
- 753-760' Shale, dark gray with limestone present

**Top of the Mississippian 760' (+125')**

- 760-792' Limestone, siliceous, off-white to medium dark gray, mottled in part, fine crystalline, hard with traces of vugular porosity present on some sample surfaces, very slight to fair petroliferous odor to some samples, traces of black bitumen present, mottled to even dark brown to black oil staining on some sample surfaces, oil saturations poor to fair, some samples exhibited fair to good petroliferous odor, no free oil show observed on pit
- 792-804' Limestone, light brown to tan, very hard, very fine grained, chert present, light gray to light bluish gray, mostly massive, conchoidal fracturing, scattered pinpoint vuggy porosity
- 804-836' Limestone, dark brown, fine crystalline, hard, dense, traces of light bluish gray chert present, no petroliferous odor or show
- 836-856' Limestone, light brown to medium gray, medium grained, fairly hard, abundant light gray to light bluish gray chert present, no petroliferous odor or show
- 856-986' Limestone, olive gray to light gray, mottled in part, fine crystalline, fairly soft to hard with some samples exhibiting good intergranular porosity, trace bitumen on few sample surfaces, light gray to bluish gray chert scattered throughout various footages, few samples exhibited slight petroliferous odor but no show to sample, picked up water sporadically throughout this sampling
- 986-1074' Limestone, off-white to light gray, fairly hard, traces of intergranular porosity present; chert, light gray to light bluish gray, mottled in part with traces of black bitumen on few sample surfaces; trace black shale observed in few collected samples, sample overall presented no petroliferous odor or show
- 1074-1083' Northview shale, gray-green, soft, slightly silty
- 1083-1087' Limestone, olive gray, fine crystalline, hard, slightly sucrosic, blocky, no petroliferous odor or show
- 1087-1094' Shale, dark gray, no petroliferous odor or show
- 1094-1102' Limestone, light gray, fine crystalline, trace of intercrystalline porosity present, no petroliferous odor or show

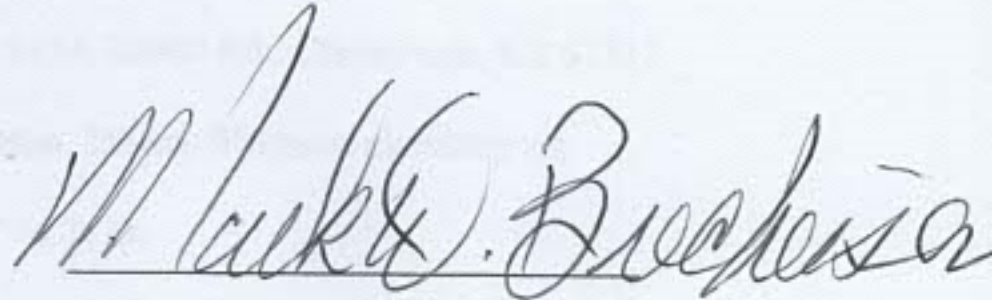


1102-1112' Chattanooga shale, grayish black to black, fairly hard, fissile

**Top of the Arbuckle Limestone 1112' (-227')**

1112-1153' Limestone, light to medium gray, fine crystalline, silty to sandy texture, dolomitic in part, vugular porosity exhibited on some sample surfaces, no petroliferous odor or show to sample surfaces, no free oil show to the pit

**T. D. @ 1153'**



Mark D. Brecheisen

Petroleum Geologist

**Recommendation:**

My recommendation is to complete this well as a coalbed methane well (CBM well) with perforations in the following zones: Bevier coal (341-343'), Croweberg coal (381-382'), Fleming coal (389-390'), and Mineral coal (414-417'). These zones can be perforated and completed as a single zone with a single stimulation application. The Pittsburg-Weir coal and the Riverton coal are two optional candidates to add to your perforating and stimulation schedule. However, due to the distance between these two in relation to the aforementioned group of four, it would require individual stimulation in these two zones, which may not be conducive economically.



