

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 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) (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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	WAUGH B 4
Doc ID	1675797

All Electric Logs Run

Dual Induction Log
Micro Resistivity Log
Compensated Density Neutron Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	WAUGH B 4
Doc ID	1675797

Tops

Name	Top	Datum
Mississippi	2282'	(-992)
Kinderhook	2605'	(-1315)
Hunton	2753'	(-1463)
Maquoketa	2840'	(-1550)
Viola	2873'	(-1583)
Simpson Sand	2988'	(-1698)
Arbuckle	3039'	(-1749)
L.T.D.	3100'	(-1810)

Waugh B #4 SWD

Casing leak repair. Open Hunton, open hole Arbuckle

410' FSL & 485' FWL

Sec 18 Twp 15S Rge 12E Wabaunsee co

10-17-22 Watt's Tank Service pumped 20 bbls treated water down annulus loaded and went on a vacuum. Vacuum on tubing dropped.

10-18-22 Rig up Glacier Well Service, pulled 2" more tension in packer, Shane's Tank Service pumped 12 bbls treated water down annulus, tubing started to flow. Release packer, pull tubing, approximately 1/3 down, tubing had some scale on it. Shut down. Mai Excavating dug small pit at the end of the tubing.

10-19-22 Rig down, move to the Preston B #1. Tim's Truck Pipe Testing, pumped golf balls thru tubing, tested tubing to 2,500#, all jts tested good, 9 jts had pin ends bad. Scale was checked out by Chem-Tek, scale is some what acid soluble, appears to be iron sulfide.

10-20-22 Mai Excavating, moved workstring from the Preston B 1.

10-21-22 C H, JOF roustabout, cleaned collars, found an additional 8 jts that are bad. Rig up Glacier Well Service, run Reinhardt's Services plug and packer. Set plug at 3,021', packer at 3,004'. Hookup Shane's Tank Service, pressure plug and packer to 1,200#, held, locate 2 holes between 2,877' and 3,004'. Lower packer to 3,021', plug swinging, pump down tubing, blowing on annulus. Appears to have a hole below 3,021' or Arbuckle is communicated to the void. Pull tubing, packer and plug. Shut down.

10-24-25-22 Shut down, rain.

10-26-22 John's Dozer dug workover pit 15' wide, 24' long, 5' deep, put in liner. Rig up Perf Tech Wireline, perforate 4 holes at 2,765', 2,820' and 2,870'. Run packer to 2,750'. Shut down.

10-27-22 Lower tubing to 3,050', rig up Elite Cementing, circulate hole clean with fresh water, raise packer to 2,659', take injection rate of 3 bpm at 850#. Squeeze Arbuckle, and void behind casing with 225 sxs Common Cement with 2 1/2% Calcium with 1/2# Phenoseal per sack, squeezed to 2,550# pressure, stage cement for 1 hour, held at 1,500#, release packer, no flow back, wash tubing and casing clean, pull 5 jts tubing, pressure tubing to 1,000#, shut in. Rig down, move off.

11-1-22 Move in and rig up Glacier Well Service double drum unit. Spot power swivel in on location.

11-2-22 Release pressure on tubing, pull tubing and packer. Run 4 3/4" Varel rock bit, 5 1/2" casing scraper and 5 - 3 1/2" drill collars to 2,660', hookup mud pump and power swivel, drill from 2,660-2,717', circulate clean, pull joint in air. Drilling at 4-5 minutes per foot. Shut down.

11-3-22 Drill from 2,717-2,871', circulate clean, pull joint air. Shut down.

11-4-22 Shut down, rain.

11-7-22 Drill from 2,871-2,997', circulate clean, pressure casing to 450#, held. Shut down.

11-8-22 Drill from 2,997-3,056', circulate clean, took 1 1/2 hours! Pull tubing, drill collars, scraper and bit. Rig up Perf-Tech Wireline, run Cement Bond Log from TD to top of cement at 2,115'. Cement looks good in the void area. Start to rerun tubing with 4 7/8" Varel Rock bit and 5 drill collars. Shut down.

11-9-22 Finish running tubing to 3,056', get circulation, pressure casing to 450#, held. Drill from 3,056-3,084', circulate clean, pull joint in air. Shut down.

11-10-22 Drill from 3,084-3,114', lost circulation, lost 130 bbls in 35 minutes. Pull 16 joints of tubing, take injection rate, averaged 1.4 bpm with 100 bbls water. Pull tubing collars and bit. Shut down.

11-11-22 Rig up Perf Tech Wireline, perforate the Hunton Zone 2,756-62' (6') (4 SPF) with 22 gram expendable charges. Run 2 3/8" tubing with Reinhardt's Services packer with tailpipe to 3,112'. Hookup RPM Services LLC acid truck, treat open hole Arbuckle with 1,000 gallons 28% DWA and 20 bbls saltwater flush, treated at 3.5 bpm at 250#, slowed to 3 bpm at 50-75# pressure, ISIP 1.7 bpm vacuum. Total load pumped, 57 bbls, let set 30 minutes, move packer to 2,732', pressure annulus to 400#, held. Pull tubing and packer. Shut down.

11-14-22 Run packer and lined tubing:

15.00'	2 3/8" Fiberglass tubing, tailpipe
7.60'	2 3/8" x 5 1/2" Arrowset 1x Packer (Sealtite lined)
4.00'	2 3/8" Sealtite lined tubing sub
1,451.93'	46 jts 2 3/8" Duolined tubing
1,262.56'	39 jts 2 3/8" Sealtite lined tubing
10.00'	2 3/8" x 10' Sealtite lined tubing sub
6.00'	KB


2,738.49' Center of rubber on packer.

Bottom of tailpipe is at 2,757.09'.

Pack head off, Shane's Tank Service, pumped 62 bbls treated freshwater down annulus, set packer, fill annulus with water, pressure to 300#, had to bleed off air 3-4 times. Finally held. Rig down, move off.

To set packer, tubing going down, turn to the right, pull up 15,000#, set tubing down, pull up 15,000#, set tubing in any tension. To release packer, coming down with tubing, turn to the right, pull up, tubing may jump before releasing.

11-17-22 Pressure annulus with nitrogen to 300#, MIT passed, Levi Short KCC Rep.



Val Dreher Production foreman

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **6779**
 Foreman David Gardner
 Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
10-27-22	1277	Waugh B #4 SWD	18	15S.	12E.	Wabaunsee	KS
Customer John O Farmer, Inc.			Unit #		Driver		Unit #
Mailing Address P.O. Box 352			105		Jason		
City Russell			110		Dan		
State KS			Zip Code 671605-0352				
Safety Meeting DG JH DK							

Job Type Squeeze Hole Depth 3056' K.B. Slurry Vol. 55 Bbl Tubing 2 3/8"
 Casing Depth _____ Hole Size _____ Slurry Wt. 15.4* Drill Pipe _____
 Casing Size & Wt. 5 1/2" Cement Left in Casing _____ Water Gal/SK _____ Other _____
 Displacement 10 1/4 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting: Void behind 5 1/2" @ 2759'-2950', Perforated @ 2765', 2 Holes between 2877'-3004', Arbuckle Perfs @ 3042'-3052'. Run Tubing + PKR in to 3050'. Rig up to 2 3/8" Tubing w/ squeeze manifold. Break circulation + wash hole clean w/ 85 Bbl fresh water. Pull Tubing + PKR up to 2659' + set PKR. Pressure 5 1/2" annulus to 500 PSI. Shut in. Establish injection rate in 2 3/8" Tubing = 3BPM @ 850 PSI. ISDP - 0 PSI. Mixed 225 sks Class 'A' Cement w/ 2 1/2% Caclz, 1/2" Phenaseal/sk @ 15.4 gal, yield 1.37 = 55 Bbl slurry. Wash out pump + lines. Start Displacement w/ fresh water @ 3/4 BPM + 1850 PSI, 8 Bbl @ 1/4 BPM + 2300 PSI. 10 1/4 Bbl @ 2550 PSI. ISDP - 2100 PSI. Shut down. Stage cement for 1 HR. Holding 1500 PSI. Release pressure w/ No Flow back. Unset PKR. Back wash the short way w/ 20 Bbl fresh water. 1 Bbl cement slurry to pit. Pull 5 Jts + reset PKR. Pressure up to 1000 PSI. Shut tubing in. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C104	1	Pump Charge	1180.00	1180.00
C107	80	Mileage	5.00	400.00
C200	225 sks	Class 'A' Cement	18.55	4173.75
C205	530*	Caclz 2 1/2%	.75	397.50
C208	115*	Phenaseal 1/2"/sk	1.55	178.25
C108B	10.57 Tons	Ton Mileage - 80 Miles	1.50	1268.40
C117	1	Squeeze Manifold Rental	115.00	115.00
<u>Thank You</u>			<u>Sub Total</u>	<u>7,712.90</u>
			<u>Less 5%</u>	<u>405.10</u>
			<u>8 % Sales Tax</u>	<u>389.16</u>
Authorization by <u>Val</u> Title <u>Co/Rep.</u>			<u>Total</u>	<u>7,696.96</u>

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.