

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
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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
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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:	
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RECEIVED FEB 26 2018



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
2/19/2018	31163

BILL TO
Larson Engineering, Inc. 562 West State Road 4 Olmitz, KS 67564-8561

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-15 S...	Schoepf	Lane	Southwind	SWD	Development	Cement 8 5/8 Sur...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	875.00	875.00
325	Standard Cement				165	Sacks	13.00	2,145.00T
279	Bentonite Gel				3	Sack(s)	30.00	90.00T
278	Calcium Chloride				4	Sack(s)	40.00	160.00T
290	D-Air				1	Gallon(s)	42.00	42.00T
581D	Service Charge Cement				165	Sacks	1.75	288.75
583D	Drayage				320.2	Ton Miles	0.85	272.17
276	Flocele				50	Lb(s)	2.50	125.00T
	Subtotal							4,197.92
Customer Disc...	Customer Discount Per Ted						-10.00%	-419.79
	Subtotal							3,778.13
	SWD &/Or InJection Well, Exempt From Sales Tax						0.00%	0.00
We Appreciate Your Business!						Total	\$3,778.13	

9208



CHARGE TO: Laram Engineering
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 031163

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Amory KS</u>	WELL/PROJECT NO. <u>2-15 SWD</u>	LEASE <u>Schoepf</u>	COUNTY/PARISH <u>Lane</u>	STATE <u>KS</u>	CITY <u>Amory</u>	DATE <u>19 Feb 18</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	BIG NAME/NO.	SHIPPED Via <u>CS</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>SWD</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>concrete surface pipe 8"</u>	WELL PERMIT NO.	WELL LOCATION <u>15-18-30</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
575		1			MILEAGE	40	mi	5.00	200.00
5765		1			Pump Charge	1	shallow surface	875.00	875.00
325		1			Standard cement	165	sk	13.00	2145.00
279		1			Bestrite gel	3	sk	30.00	90.00
278		1			Calcium chloride	4	sk	40.00	160.00
290		1			D-ATR	1	gal	42.00	42.00
581		1			Service charge	165	sk	1.75	288.75
583		1			Drayage	1600	lb	0.185	272.17
276		1			flexible	50	lb	2.50	125.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 X

DATE SIGNED: _____ TIME SIGNED: _____
 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	4197.92
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				162 Dms	-419.79
WE UNDERSTOOD AND MET YOUR NEEDS?				July	3778.13
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUBD	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	3778.13
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Beckel

APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 19 Feb 18 PAGE NO. 1
TICKET NO. 31163

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS	
Adam Engineering		2-15 SWD		Schoepf		cement surface pipe			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
									165 sk Standard cement 2% gel 3% CC 1/4" flocc
									8 5/8" x 20# casing 6 joints 254' TD = 254'
	2200								on loc TRK 114
	2255								start 8 5/8" x 20# casing in well
Feb 20	0050								circulate
	0100	3 1/2	43				200		MIX STD 2% 3% cement @ 14.7 ppg 165 sk
	0125	4					200		Displace cement
	0130	4	15				200		→ cement to surface ← {40 sk} {to 9'}
									Kickstart shut in 8 5/8"
									Release pressure to truck
	0133								wash truck
									Break up
	0155								job complete
									Thanks Blaine, Hank, & Squatter



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
2/21/2018	31165

BILL TO
Larson Engineering, Inc. 562 West State Road 4 Olmitz, KS 67564-8561

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-15	Schoepf	Lane	Southwind	SWD	Development	Cement Longstring	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
578D-L	Pump Charge - Long String	1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)	450	Sacks	16.25	7,312.50T
276	Flocele	125	Lb(s)	2.50	312.50T
290	D-Air	5	Gallon(s)	42.00	210.00T
581D	Service Charge Cement	450	Sacks	1.75	787.50
583D	Drayage	895.54	Ton Miles	0.85	761.21
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
	Subtotal				11,683.71
Customer Disc...	Customer Discount Per Ted			-10.00%	-1,168.37
	Subtotal				10,515.34
	Sales Tax Lane County			7.50%	582.86
9308					

We Appreciate Your Business!	Total	\$11,098.20
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CHARGE TO: Larsen Engineering
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 031165

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>2-15 SWD</u>	LEASE <u>Schoepf</u>	COUNTY/PARISH <u>Lane</u>	STATE <u>KS</u>	CITY <u>Amy</u>	DATE <u>21 Feb 18</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>southwind</u>		RIG NAME/NO.	SHIPPED VIA <u>ACT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3. WELL TYPE <u>SWD</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement long string</u>		WELL PERMIT NO.	WELL LOCATION <u>15-8-30</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	40	mi			5.00	200.00
578		1			Pump Charge long string	1	ea			1300.00	1300.00
330		1			SWD cement	450	sk			16.25 1200.00	7312.50
276		1			Flare	125	lb			2.50	312.50
290		1			D-AIR	5	gal			42.00	210.00
581		1			service charge	450	sk			1.75	787.50
583		1			Drayage	44779	lb		89539 TM	0.85	761.25
281		1			mud wash	500	gal			1.50	750.00
221		1			KCl liquid	2	gal			25.00	50.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M. 2:55

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	<u>11,683.75</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					<u>-1168.37</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				<u>102 Dis</u>	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>304</u>	<u>10515.34</u>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<u>Lane Co. 7.50</u>	<u>11582.86</u>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	<u>11098.20</u>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR APCM APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 21 Feb 18 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Laramie Engineering		2-15 SWD		Schneft		can't long string		31165	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									40 sk SMD cement w/ 1/4" floacle 4 1/2" x 1 1/8" casing 50 joints 203' sheet 4212 TD = 2125'
	2100								on loc TRK 114
	2120								circulate well - dropball
	2150	3 3/4	12			200			Pump 500 gal mud flush
		3 3/4	20			200			Pump 20 bbl KCl flush
			7						Plug RH - MH 30sk 20sk
	2205	3 3/4				200			MIX SMD cement 100sk @ 1 1/2 PPG
									175sk 11.8 PPG
									75sk 13.5 PPG
		3 3/4	160			200			50sk 19.5 PPG
									40sk down 4 1/2"
									Drop latch down plug wash out pump & line
	2315	5 1/4				200			Displace plug
									→ cement to surface ←
		5 1/4	28			700			500 to pit 5
	2330	5 1/4	32			1600			
									Land plug
									Release pressure to truck - dried up
	2335								wash truck
									Rack up
	2355								job complete
									thanks
									First, Blair, & SQUARCH