Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1239121

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		SecTwpS. R East _ West
Address 2:		Feet from
City: S	tate: Zip:+	Feet from East / West Line of Section
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		□NE □NW □SE □SW
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re	e-Entry Workover	Field Name:
□ Oil □ WSW	,	Producing Formation:
Gas D&A	☐ SWD ☐ SIOW ☐ SIGW	Elevation: Ground: Kelly Bushing:
☐ OG	GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	_ Tomp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
	re, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well In		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date:	Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Plug Back	Conv. to ENHR Conv. to SWD Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled	Parmit #	Chloride content: ppm Fluid volume: bbls
Dual Completion	Permit #:	Dewatering method used:
SWD	Permit #:	Location of fluid disposal if hauled offsite:
☐ ENHR	Permit #:	Education of haid disposal in hadied offsite.
GSW	Permit #:	Operator Name:
		Lease Name: License #:
Spud Date or Date Re	ached TD Completion Date or	QuarterSec TwpS. R
Recompletion Date	Recompletion Date	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
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

1239121

Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R [East West	County:				
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to Final Radioactivity Log, files must be submitted	ng and shut-in pressur surface test, along wit , Final Logs run to obt	es, whether shut-in pre th final chart(s). Attach ain Geophysical Data a	essure reached stati extra sheet if more and Final Electric Lo	c level, hydrosta space is neede	tic pressures, t d.	pottom hole tempe	erature, fluid recovery,
mes must be submitted	III LAS VEISION 2.0 OI	Tiewei AND ari iiiage					
Drill Stem Tests Taken (Attach Additional Sh	neets)	Yes No	L L		on (Top), Depth		☐ Sample Datum
Samples Sent to Geolo	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-	RECORD Ne		ion, 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
	Brillod	00t (III 0.5.)	250.711.	Борит	Comon	0000	, radiiivee
	Donth		. CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type an	d Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic Does the volume of the tot. Was the hydraulic fracturin	al base fluid of the hydra	ulic fracturing treatment ex	_		No (If No,	skip questions 2 an skip question 3) fill out Page Three (
Shots Per Foot		N RECORD - Bridge Plugotage of Each Interval Period			cture, Shot, Cem	ent Squeeze Record	d Depth
	Эреспу го	orage of Lacif interval Fer	lorateu	(Al	THOUTH AND KIND OF	Material Oseu)	Берш
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes	No	
Date of First, Resumed P	roduction, SWD or ENHF	R. Producing Meth		Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bb		Mcf Wate		bls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole		Comp. Cor	nmingled		
(If vented, Subn	nit ACO-18.)	Other (Specify)	(Submit)	(SUD	mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	James' Children's Trust 1-9
Doc ID	1239121

Tops

Name	Тор	Datum
Anhydrite	2047	+580
Base Anhydrite	2079	+548
Heebner Sh	3795	-1168
Lansing	3834	-1207
Stark Sh	4074	-1447
Base KC	4154	-1527
Pawnee	4263	-1636
Ft. Scott	4336	-1709
Mississippi	4437	-1810

Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	James' Children's Trust 1-9
Doc ID	1239121

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	20	257	Class A	165	2% gel, 3% CC
Production	7.787	5.5	15.5	4497	EA-2	125	7#/sk gilsonite, 1/4#/sk flocele





INVOICE#802025

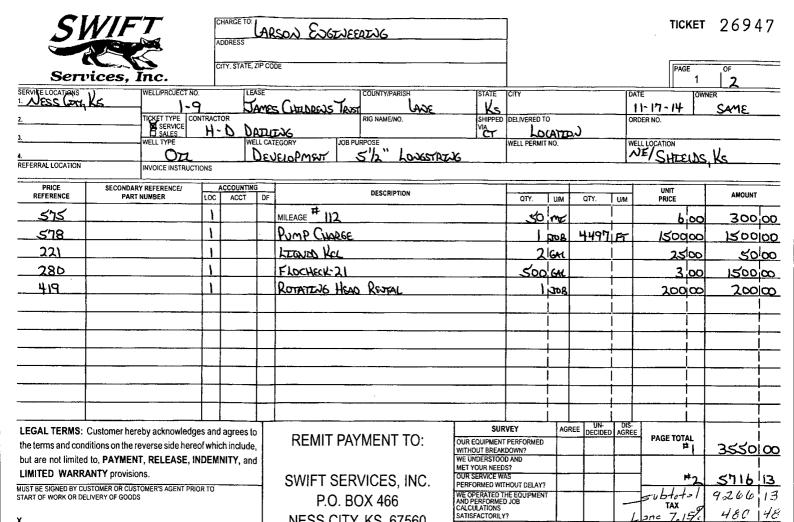
		M4
TICKET NUMBER	<u>47798</u>	181
LOCATION Quel	ry Ko.	<u> </u>
FOREMAN Dane	<u> </u>	

ΡO	Box	884,	Cha	nute,	KS	66720
620	431	9210	ar	ደበበ	467-	8676

FIELD TICKET & TREATMENT REPORT

20-431-9210	or 800-46 7- 8676	j		CEMEN	T			<i>K</i> ₀ ·
DATE	CUSTOMER#		L NAME & NUN		SECTION	TOWNSHIP	RANGE	COUNTY
11/7/14	4802	Tomes C	nilderns-	Cust 1-9	9	16	28	Lane
CUSTOMER	_			Shields	TRUCK#	DRIVER	TRUCK#	DRIVER
سل VAILING ADDRE	arson Ei	<u>lergeneel</u>	12	Laredos			IROCK#	DRIVER
				N 10 280	100	Cory	<u>-</u>	
CITY		STATE	ZIP CODE	-11/2 E IN	693 /	Robert	<u>. </u>	
JII 1)	1., 4052	winto	<u> </u>			
	urface.	HO! E 017E	12 %		259	CASING SIZE & V	VEIGHT 85/2	24#
					<u> </u>	CASING SIZE II I	OTHER	
SLURRY WEIGH		SLURRY VOL			k	CEMENT LEFT in		
NEDI ACCHENI	12.11	DISDI ACEMEN	IT DQI	MIX PSI		RATE		
DEMARKS: <	oft. Ma	ation Riv		HD #3	Rua Casin	g Break (Gel Wash	imulation	a Ga Rio
<u>ы у ч</u>	Property	AK mis	1) < <v.< td=""><td>Cam 35</td><td>4m 2%</td><td>Gol Wash</td><td>ua suma</td><td>+//ne</td></v.<>	Cam 35	4m 2%	Gol Wash	ua suma	+//ne
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	2666 To	p; <u>t</u>			Thanks	Danen &		
ACCOUNT CODE	7	or UNITS		ESCRIPTION of	Thanks SERVICES OF PR		UNIT PRICE	TOTAL
ACCOUNT	QUANITY	<u> </u>	PUMP CHAR		Thanks SERVICES OF PR		UNIT PRICE	11500
ACCOUNT CODE	QUANITY	<u> </u>	PUMP CHAR	GE		корист	UNIT PRICE	11509
ACCOUNT CODE 54015 -	QUANITY	<u> </u>	PUMP CHAR	GE		корист	UNIT PRICE	11500
ACCOUNT CODE 54015 -	QUANITY	<u> </u>	PUMP CHAR	GE	Thanks SERVICES OF PR	горист	UNIT PRICE 1/50 % 5 25 6 / 75	11509
ACCOUNT CODE 54015 - 5406 - 5407 A	QUANITY 50 7.76	or UNITS	PUMP CHAR MILEAGE	n, leage	Delive	горист	UNIT PRICE 1/50 % 5 25 6 / 75	1150° 1262.3 1679°
ACCOUNT CODE 54015 - 5406 - 5407 A -	QUANITY 50 7.76	or UNITS	PUMP CHAR MILEAGE Ton 1	n; leage H"Com	Delive, ent	горист	UNIT PRICE 1/50 % 5 25 6 / 75	1150° 1262.3 1679°
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE	\$ 1150 0 \$ 262.5 \$ 679.9 \$ 3060.7 \$ 437.1
ACCOUNT CODE 54015- 5406- 5407A-	QUANITY 50 7.76	or UNITS	PUMP CHAR MILEAGE Ton 1	nileage A"Com	Delive, ent	горист	UNIT PRICE 1/50 09 5 35 6 /, 75 8/8, 55 6 /4	1150° 1262.3 1679°
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ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1/50 09 5 35 6 /, 75 8/8, 55 6 /4	\$ 1150 0 \$ 262.5 \$ 679.9 \$ 3060.7 \$ 437.1
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 % 5 35 5 1.75 6 1.75 6 18.55 6 94 7 .27	\$ 3060; \$ 437,5 \$ 83,5
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 02 5 25 7 175 8 18,55 8 94 7 27	\$ 3060. \$ 437.5 \$ 83.7
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 % 5 25 6 1,	\$ 3060; \$ 437; \$ 83; \$ 5673; \$ 5673;
ACCOUNT CODE 54015 - 5405 A - 5407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 % 5 35 5 1.75 6 1.75 6 18.55 6 94 7 .27	\$ 3060; \$ 437; \$ 83; \$ 5673; \$ 5673;
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 % 5 25 6 1,	\$ 3060; \$ 437; \$ 83; \$ 5673; \$ 5673;
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ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 % 5 25 6 1,	\$ 3060; \$ 437; \$ 83; \$ 5673; \$ 5673;
ACCOUNT CODE 54015 - 5407 A - S407 A - 11045 -	QUANITY - 1 - 50 - 7.76 - 145	or UNITS	PUMP CHAR MILEAGE Ton I	nileage A"Com	Delive, ent	горист	UNIT PRICE 1150 02 5 25 6 1, 75 6 18, 55 6 18, 55 74 7 27 Sub Tota 1 Less 10% Sub Tota 1	\$ 3060; \$ 3060; \$ 437; \$ 83; \$ 567; \$ 567;

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



NESS CITY, KS 67560

785-798-2300

ARE YOU SATISFIED WITH OUR SERVICE?

☐ YES

CUSTOMER DID NOT WISH TO RESPOND

X DATE SIGNED

11-17-14

WAWE WOSON

TIME SIGNED

1700

X P.M.

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The cust

480 48

9746 61

Thank You!

TOTAL



PO Box 466
Ness City, KS 67560

TICKET CONTINUATION

No. 26947

eruice	o. Tree O		5-798-23	00	CARSON ENGLINETRING	JAMESC	***	us Taxs	<u> </u>	DATE - カ - L	<u> </u>	PAGE OF	<u>2</u>
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING	G TIME	DESCRIPTION	QTY	U/M	QTY	LE F MA	UNIT PRICE		AMOUNT	3 () 2 ()
32క		1			STANDARD COMPUT EAS	. 155	LSKR		ļ ——	14	ঠ	2247	
276		1			FLOCELE	25	185		! 		50	<u> မသ</u>	
277	.:	1			GILSONITE	1100	lues		<u> </u>		75	82క	
283		<u> </u>			SALT	900	uss		 		20	180	\propto
284		1			CALSEAL	7	SYS	700	<u> 185</u>	35	00	245	ĺα
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<i>\$</i> 83		Ī			MILEAGE TOTAL WEIGHT LOADED MILES	TON MILES		436,1	3	1	8	436	1
									- drawn	NUATION TOTAL		571b	

JOB	Ł	OG
JUD	L	.UG

SWIFT Services, Inc.

DATE 11-17-14 PAGE NO

ARSO/	1 Every	reenty 6			JAMES GIV	7/08/7Z	TRUST 512 LONGSTRING 26947
CHART NO.	TIME	RATE (BPM)	(BBL)(GAL)	PUMPS T C	PRESSURE TUBING	(PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1700		ļ				ON LOCATION
							7D-4498 SET < 4497
		-					TP-4497 5/2* 15.5
							ST-40'
							PORT GUAL & 2011
	-						
	1645				-		DROP BALL - COSCULTE ROTA
	1073						DROP BALL - CACLLATE ROTA
	1745	Ь	15	/		400	PUMP IS BELS KOL-FLUSH
	1.10		10			700	ON TO BUS NOT TENSIT
	1748	Ь	12	✓		400	PUMP 500 GAL FLOCHECK-21
	1750	6	5			400	PUMP 5 BAS KCL-FLUSH
	1755		7				PLUG RH (305KS)
	1000				<u></u>		
	1800	4	31			200	Max Cement - 125 sks EA-2 . 15.2 PP6
	1810						WASH OUT PUMP - LINES
	1010						WASH CAR TUMP & RIVES
	ISID						REISASE LATCH DOWN PLUG
	1812	7	0	V		0	DISPLACE PLUG
		7	105			<u>800</u>	
	1830	Ь	106.1			⊠	PLUG DOWN - PST UP LATCH IN PLUG
					-		
	1835					OK	RELEASE AST - HELD
							N. 3
			+				WASH TRUCK
	1930						JOB COMPLETE
	1,100				 		NVD WITEAC
							THINK YOU
							WAWE, JOHN J., CRAIG



CHARGE TO: LARSON ENGINEERING	
ADDRESS	
CITY, STATE, ZIP CODE	

тіскет 28058

Thank You!

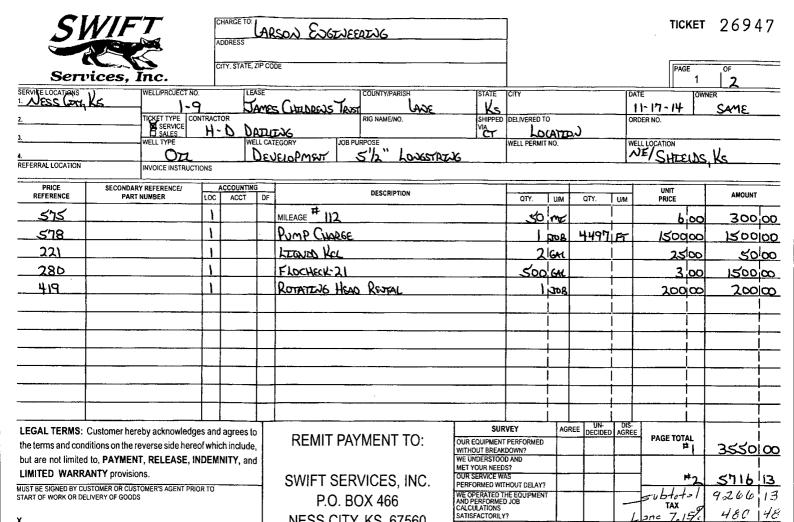
Services,	Inc.	CITY, STATE, ZIP (CODE		PAGE OF											
SERVICELOCATIONS 1. NESS (\$TY, KS) 2.	WELUPROJECT NO. # - 9 TICKET TYPE CONTR SERVICE W	ACTOR ILD UJES	NES CHILDRENS TRUST LANE TWELL SERV	STATE AS SHIPPED VIA	DELIVERED TO	OR	4No 014 DER NO.	NER								
4. REFERRAL LOCATION	WELL TYPE INVOICE INSTRUCTION	DEV	ELDAMENT DORT	COLLAR	WELL PERMIT NO.	WE <	LL LOCATION N 15E, 1	U, W/ST.	ॉंं							
REFERENCE PA	DARY REFERENCE/ ART NUMBER L	ACCOUNTING DC ACCT D				QTY. U/M	UNIT PRICE	AMOUNT	जिथ्							
575 576D			MILEAGE # 115 Pump CHARGE		50 m/2		1500 E	500 1500	1 00 1							
27b 290			FLOCELE D-AIR		50 lbs 2 gn		2 39	125 84	100							
330			SMD CEMENT		190 sx		/8 ^{so}	3515	100							
<u>581</u> 583			CEMENT SERVICE CHARGE DRAYAGE	<u>E</u>	235 SX	23.7.47m	2 0	470 583	75							
LEGAL TERMS: Customer In the terms and conditions on the but are not limited to, PAYMI	e reverse side hereof	which include,	REMIT PAYMENT TO:	OUR EQUIPMENT WITHOUT BREAK WE UNDERSTOOL MET YOUR NEED	RVEY AGREE F PERFORMED (DOWN?) DID AND	UN- DIS- DECIDED AGREE	PAGE TOTAL	<i>6</i> 577	75							
LIMITED WARRANTY provi MUST BE SIGNED BY CUSTOMER OR C START OF WORK OR DELIVERY OF GO	SUSTOMER'S AGENT PRIOR	го	SWIFT SERVICES, INC. P.O. BOX 466	OUR SERVICE W PERFORMED WI WE OPERATED T AND PERFORME CALCULATIONS SATISFACTORILY	AS IHOUT DELAY? HE EQUIPMENT D JOB		Lane TAX 07 7.15/0	244	1.27							
24 Nov 14	TIME SIGNED	S - AM.	NESS CITY, KS 67560 785-798-2300		IED WITH OUR SERVICE? YES TOMER DID NOT WISH TO R		TOTAL	6844	0.2							

JOR.	•	\sim
JOB	L	.UG

SWIFT Services, Inc.

DATE 24 NOV 14 PAGE NO.

EUSTOMER LARSO	NEWIN	EERING.	WELL NO.	-9		LEASE LADES (H	IILDREN	STRUST COMEST PORT COLLAR TICKET NO. 28058
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUM	PS C	PRESSUR TUBING	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	1245							ONLOCATION
								PORT COLLAR @ 2011
	1327	<u></u>			/		1000	TEST-HELD
	1332							OPEN PORT COUAR
	1334	4	105	/		500		mix190sx Smd
		_3	7			400	<u> </u>	DISPLACE CEMENT
						,		CIRCHIATE 2DSX TO PIT
						 		
	1403			/		1000		CLOSE PORT COLLAR-TEST- HELD
			1					
			<u> </u>					RWIDSTS.
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	1420							WASH TRUCK
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	1445		-					JOB COMPLETE.
	77.5	<u></u>						SOS COMPLETE.
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NESS CITY, KS 67560

785-798-2300

ARE YOU SATISFIED WITH OUR SERVICE?

☐ YES

CUSTOMER DID NOT WISH TO RESPOND

X DATE SIGNED

11-17-14

WAWE WOSON

TIME SIGNED

1700

X P.M.

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The cust

480 48

9746 61

Thank You!

TOTAL



PO Box 466
Ness City, KS 67560

TICKET CONTINUATION

No. 26947

			5-798-23	00	CARSON ENGLINETRING	JAMESC	***	us Taxs	<u> </u>	- リ - r	PAGE OF 2		
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING	G TIME	DESCRIPTION	QTY	U/M	QTY	LE F MA	UNIT PRICE		AMOUNT	3 () 2 ()
32క		1			STANDARD COMPUT EAS	. 155	LSKR		ļ ——	14	ঠ	2247	
276					FLOCELE	25	185		<u> </u>		50	<u>62</u>	
277	.:	1			GILSONITE	1100	lues		<u> </u>		75	82క	
283		<u> </u>			SALT	900	uss		 		20	180	\propto
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292		Ш			HAWD 322		les.		<u> </u>	8	00	1200	
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≾81		Ti			SERVICE CHARGE	CUBIC FEET		الحجا		2	00	310	6
<i>\$</i> 83		Ī			MILEAGE TOTAL WEIGHT LOADED MILES	TON MILES		436,1	3	f	8	436	1
									- drawn	NUATION TOTAL		3716	

JOB	Ł	OG
JUD	L	.UG

SWIFT Services, Inc.

DATE 11-17-14 PAGE NO.

USTOMER ARSOA	ि हिंज्य	DEEDLY) P			JAMES G	च्या च	TRUST 512" LONSETRING 26947
CHART NO.	TIME	RATE (BPM)	(BBL) CAL)	PUMPS T C	PRESSUR TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1700						ON LOCATION
						ļ	
							70-4498 SET < 4497
			ļ				TP-4497 512* 15.5
						<u> </u>	57-40'
					<u> </u>		PORT GUAL & 2011
- 							
	1645						DROP BALL - COSCULTE ROTA
-	1013						DROP BALL - CACLLATE ROTA-
1	1745	Ь	15	/		400	PUMP IS BELS KOL-FLUSH
						100	
	1748	Ь	12	1		400	PUMP 500 GAC FLOCHECK-21
	1750	6	5			400	PUMP 5 BBLS KCL-FLUSH
		··· ,					
	1755		7				PLUG RH (305x5)
	1.0-						
	1800	4	_3]			200	Max Cement - 125 sks EA-2 . 15,2 PP6
	1010					<u> </u>	WASH OUT PUMP - LINES
$\overline{}$	1810						WASH CAP TUMP & LINES
	018						REIGHSE LATCH DOWN PLUG
- '	1810						REPOSE GATCH GOWN TENS
	1812	7	0	V		0	DISPACE PLUG
		7	105			800	
	1830	Ь	106.1			K	PLUG DOWN - PSE UP LATCH IN PLUG
	1835					OK	RELEASE AST - HELD
			 				WASH TRUCK
	1020						JOB COMPLETE
	1930						NOR COMPOSE
							TIME YES
							WAWE, JOHN J., CRAZE
					į		
		:					





Scale 1:240 (5"=100') Imperial

Licence Number: API: 15-101-22541
Spud Date: November 06, 2014
Surface Coordinates: 595' FNL & 2565' FWL

Bottom Hole
Coordinates:
Ground Elevation (ft): 2618' K.B. Ele

K.B. Elevation (ft): 2627'

Drilling Completed: November 17, 2014

Region: Lane Co., KS

Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4500'
Formation: Mississippi
Type of Drilling Fluid: Chemical Premix (Displaced)
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Well Name: JAMES CHILDREN'S TRUST #1-9 Location: SE NE NE NW OF SEC. 09-16S-28W

Company: Larson Engineering Inc.

Address: 562 West State Road 4
Olmitz, KS 67564-8561

CASING:

DRILLING CONTRACTOR:

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8" x 556', Kelly 40.30', Tool Joint 5.5"; Bit: JZ-HA20Q, 7-7/8", standard jets 15-15-15; rpm 80, WOB 35k; Kelly Bushing 9' above ground level; LeWayne "Lew" Tresner (tool pusher).

H. D. Drilling, LLC, Rig #3 (Co. Tools)

Set 8-5/8" casing at 257'

CIRCULATION SYSTEM:

Continental EMSCO D-300, duplex, 6 x 14, 60-62 spm, Chemical, premix, earth pits, Morgan Mud, Inc., Cade Lines, David Lines.

OPEN HOLE LOGS:

DRILL STEM TEST #1:

LKC (E-zone): Interval: 3910-3935 (25'): Blow: weak incr 2" IFP, surf RB, weak incr 6" FFP, surf RB; Times: 5-15-30-60; Recovery: 140' TF: Grindouts: 5' CGO (10%G, 90%O, grav 40); 135' SOGCWM (5%G, 5%O,

DN, DI (SP) (Run-1); ML (Run-2); No Sonic; 5" detail LTD-3600; 2" DI to suface casing; LogTech-Pioneer

Wireline, Hays, KS, Chris Desaire, Log total depth (4498') was two feet short to rotary total depth (4500').

BHT: 107 F; Trilobite Testing, Inc., Scott City, KS, Chuck Smith.

BHT: 109 F; Trilobite Testing, Inc., Scott City, KS, Justin Harris.

40%W, 50%M, Rw 0.290 at 40 F, chlorides 46k); Pressures: HP: 1910-1886, SIP: 813-806, FP: 23-39, 46-79; BHT: 113 F; Trilobite Testing, Inc., Scott City, KS, Chuck Smith.

DRILL STEM TEST #2:

DRILL STEM TEST #3:

DRILL STEM TEST #4:

Pleasanton, Marmaton: Interval: 4152-4260 (108'): Blow: weak incr 1/2" IFP, no RB, weak surf FFP, no RB; Times: 5-15-15-30; Recovery: 5' mud (100%M); Pressures: HP: 2038-1968, SIP: 81-53; FP: 21-23, 22-28;

LKC (I-zone): Interval: 4022-4055 (33'): Blow: weak 1/2" IFP, 1/4" RB, weak surf FFP, no RB; Times: 5-15-15-30; Recovery: 2' SOCM (1%O, 99%M); Pressures: HP: 1999-1964, SIP: 404-836, FP: 18-20, 19-19;

LKC (K-zone): Interval: 4074-4092 (18'): Blow: BOB 5 min IFP, 3" RB, BOB 6 min FFP, 9" RB; Times: 5-15-15-30; Recovery: 370' GIP, 304' TF: Grindouts: 90' CGO (15%G, 85%O, grav 43), 92' OSWM (45%W, 55%M), 122' OSWM (90%W, 10%M, Rw 0.175 at 36 F, chlorides 95k); Pressures: HP: 1981-1956, SIP: 666-659, FP: 35-75, 89-145; BHT: 122 F; Trilobite Testing, Inc., Scott City, KS, Chuck Smith.

DRILL STEM TEST #5

Ft. Scott, Cherokee: Interval: 4326-4422 (96'): Blow: weak incr 1/2" IFP, no RB, weak incr to 3" FFP, no RB; Times: 5-15-30-60; Recovery: 63' GOCM (5%G, 15%O, 80%M); Pressures: HP: 2143-2094, SIP: 409-1052, FP: 18-22, 26-31; BHT: 112 F; Trilobite Testing, Inc., Scott City, KS, Justin Harris.

DRILL STEM TEST #6

LKC (K-zone): Interval: 4068-4076 (log), 4072-4080 (rotary) (8' anchor, 422' tailpipe); Blow: weak incr 1/2" IFP, no RB, weak incr 3", decr 2" after a few minutes, then steady FFP, no RB; Times: 5-15-45-60; Recovery: 378' GIP, 171' TF: Grindouts: 45' CO (100%O, 33 grav.), 126' GMO (5%G, 55%O, 40%M); Pressures: HP: 2024-1915, SIP: 680-680, FP: 15-30, 53-68; BHT: 117 F; There was possible slight leak at the head joint which

may have comprimised the blows? Trilobite Testing, Inc., Scott City, KS, Justin Harris.

ROP (min/ft)							Total Gas TG (units)										
Five ——— Ten		gy	Show		Gaelogical Passyintians			Fifty — — One									
	DST	Lithology	Porosity and Show	Depth	Geological Descriptions												
			۵.	_													
0 ROP 15	i					0				Hot-	Wire				100		
START 10' SAMPLES				3700													
3																	
					LS: It-md grayish brown; vf-xtal; v-chalky in part; rough textured; prob poor to fair vug porosity; N.S.												
				3750	LS: md -dk grayish brown; vfx-tal; dense; no visible												
					porosity; N.S.												
					LS: It-md grayish brown; mic-vf xtal; v-chalky, soft in part; fos; poor visible porosity; N.S.												
					I.C. oo ahaya waxaa aharti N.C.												
					LS: as above w/opaq chert; N.S.												
					LS: It-md grayish brown; mic-vf xtal; v-chalky, soft in part; poor porosity; N.S.												
					HEEBNER SH 3795 (-1168)												
0 ROP 15				3800	Shale: dk-gray; no carbon. sh was found.	0				Hot-	Wire				100		
\					Shale: green, gray; silty;												
					LS: off white to It brown; mic-vf xtal; v-chalky; some												
					rough vug porosity; N.S.												
\$																	
3		- -			LANSING 3834 (-1207) LS: off white, It brown; mic-vf xtal; chalky; white												
					chert; minor pin-point porosity & rough vug porosity; N.S.												
				3850	LS: as above;												
					I Co. making and the												
			Ø		LS: white to It brown; mic-vf xtal; translucent chert; sli oolitic; fair int grain porosity; N.S.	Vic	ie	ρ-	FIL 6.0								
3876					LS: white to It brown; mic-vf xtal; chalky in part; no visible porosity; N.S.	10	J, W1	J.1,	0.0								
					LS: It brown; vf-f xtal; scattered vug porosity and												
3895 ©			Ø		tight int xtal porosity; N.S.							\exists					
				3900	LS: It brown; mic-vf xtal; dense to chalky in part; no	E											
	D\$11 #1				visible porosity; N.S.		TAND	SHOF	T TRI	P BEF	ORE D)ST #1					
					Shale: dk gray;	THE	SLOW	ROP	FROM	N 3918	TO 39	923 MA	AY BE	DUE	то _		
			•			DS1	F#1:	E-ZC	DNE:	3910	OBLEM 0-393 CGO	5: W					
\$					LS: white to It brown; mic-vf xtal; chalky oolite; v-tight int ool porosity; N.S., 3935.	SIP	813-	806;	FP:	23-3	9, 46-	79.		A V V IVI	,		
3935						_VIS (55, W1	8.9,	FIL 6.4	1 1							
G			Ø		LS: md brown to grayish brown; vf-xtal; med- coarse oomoldic porosity; N.S.												
				3950													
					LS: It grayish brown; mic-vf xtal; dense to chalky; minor opaq chert; no visible porosity; N.S.												
					minor opaq chert, no visible porosity, N.S.												
					LS: as above;												
MUNCIE					MUNCIE CREEK 3988 (-1361)												
WONGE					MUNCIE CREEK 3988 (-1361) Shale: black; carbon.; 4010. LS: md-dk grayish brown; vf-xtal; dense; sli fos, sli												
0 ROP 15				4000	cherty; no visible porosity; N.S. Shale: grays;	0				Hot-	Wire				100		
					I.C. It arough brown of stale ali aroughy, donor												
4015					LS: It grayish brown; vf-xtal; sli granular; dense; chalky in part; scattered pin- point porosity; N.S.												
	0\$11 #2:				Shale: gray;												
					LS: dk brown; vf-xtal; dense; N.S.												
					Shale: grays; LS: It brown; vf-xtal; dense to chalky in part;												
\$			•		scattered, shallow vug porosity w/dark stain, no visible oil or fluor; 4055, 4055-30m.	5-15	5-15-3	10; 2	NE:	4022 CM;	-4055 SIP: 4	: Wi 404-8	K BL0 36; I	 OW; FP:			
				4050	LS: dk grayish brown; vf-xtal; sli fos; dense; no visible porosity; N.S., 4055-30&60m.	18-2	20, 19	-19									
4055					LS: grayish brown; vf-xtal; dense; no visible porosity; N.S.												
					LS: It grayish brown to gray; vf-xtal; dense; trc poor												
STARK 4075	081 081#6 #3				oomoldic porosity; N.S. STARK SH 4074 (-1447)						-4092 0' GO						
K 4075					Shale: black; carbon.; trc 4075-30m. LS: dk brown; vf-xtal; dense; N.S. Shale: gray, green;	OS	N; SI	P: 66	6-659	, FP	: 35-7 RADD	75, 89	9-145.				
			•		LS: white to It gray; mic-vf xtal; much soft, strongly fluor chalk; trc fine vug porosity w/dark wet stain;	(LO 378	G): W ' GIP,	/K B	LOW	INC	3" FF P: 68	P; 5	-15-4	5-60;	;—		
-4092					v-poor dry stains but good dry fluor; 4092, 4092-30m.	-53-6 ∙vis :	Ė	9.0, I	FIL 6.4								
				4100	LS: It gray; vf-xtal; dense to chalky in part; no visible porosity; N.S.												
Con					LS: It gray; vfx-tal; dense to sli chalky in part; opaq												
HUSH 4118					cherts; no visible porosity; N.S. HUSHPUCKNEY 4117 (-1490)												
4118 Q					Shale: black; carbon.; trace 4118-30 & 60m. LS: dk grayish brown; vf-xtal; dense; no vsible porosity; N.S.												
4132 ©					Shale: gray; calcareous in part;												
4132 0					LS: It gray to brown; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.												
					LS: off white to It gray & brown; mic-vf xtal; dense;												
	0\$11 #4:			4150	chalky in part; no visible porosity; N.S. BKC 4154 (-1527)												
					Shale: dk gray to black;												
					LS: It grayish brown; vf-xtal; dense; chalky in part; no visible porosity; N.S.							\exists	\exists	\exists			
					Shale: gray; calcareous in part;												
					LS: It gray to brown; mic-vf xtal; dense to chalky; no visible porosity; N.S.									=			
4190 ©																	
7130				_	LS: off white to It grayish brown; vf-xtal; dense to chalky; no visible porosity; N.S.	VIS	50, WT	8.9, I	FIL 6.8								
0 ROP 15				4200	LS: grayish brown; mic-vf xtal; chalky; no visible	0				Hot-	Wire				100		
					porosity; N.S.												
					Shale: gray; maroon;												
												\exists		\exists			
					LS: It-md grayish brown; vf-xtal; dense; no visible porosity; N.S.						4152						
					LS: off white, It gray; vf-xtal; chalky; trace fine vug	BLO		-15-1			MUD;				P:		
			•	ر	w/drab dry stain; no visible oil; 4250-30m.												
4250——⊙			•	4250	LS: off white, It gray; mic-vf xtal; chalky; trace pin-point porosity w/specks of stain, trc dry stain; no visible oil; 4260-30m.												
4260 ©					PAWNEE 4263 (-1636)												
+ PAW					LS: It brown; vf-xtal; dense, blocky; chalky in part; trochert at best; no visible porosity; N.S.												
					LS: It-md brown; vf-xtal; dense; chalky in part; minor green sh; no visible porosity; N.S.												
					Shale: dk gray, greenish gray;												
				6	Shale: black; carbon.; 4310.												
MYRICK.				4300	I Co lit amani addinistra												
					LS: It gray, off white; mic-vf xtal; dense to chalky; no visible porosity; N.S.												
					LS: as above;												
	0\$11 #5:																
LABETTE					Shale: black; carbon.; floods 4350.												
FT. SCOTT					FT. SCOTT 4336 (-1709) LS: It grayish-brn matrix w/dark gray to brown oolites; vf-xtal; v-tight int ool porosity at best; N.S.												
				6	LS: gravish brown; mic-vf xtal; chalky; gray oolitic												
				4350	chert; N.S. LS: md-dk grayish brown; vf-xtal; dense; no visible porosity; N.S.												
			•		Shale: black; carbon.; LS: It gray; vf-xtal; oolitic in part; chalky part exhibits	VIS	8, W1	9.0,	FIL 6.4	4 <u></u>		\exists		\exists			
					bright fluor, trc wet & dry stain & micro-drops oil; 4370 abt 5%.												
					LS: gray; vf-xtal; dense; shaley in part; no visible												

LS: It gray to brown; vf-xtal; chalky to dense;

LS: It gray to brown; vfx-tal; mostly dense; trace pin-point porosity w/ sli stain; crush few micro-drops

Sand/SiltSt: white; very-fine; v-tight int grain

EROS. MISSISSIPPI 4437 (-1810)

chert as above; no visible porosity; N.S.

oolitic; no visible porosity; N.S.

no visible porosity; N.S.

1500

RTD 10:44 AM 16/NOV/2014 LS: It brown, cream; mic-vf xtal; dense to chalky;

LS: It brown, cream; mic-vf xtal; dense to chalky; sli

LS: It brown, spotted maroon; shaley; minor chert;

LS: It brown w/dk gray spots and streaks; mic-vf xtal;

chalky; shaley; no visible porosity; N.S.

ROTARY TOTAL DEPTH 4500 (-1873)

Chert: tan, brown, trc reddish; angular, sharp; w/sh;

w/shales; no visible porosity; N.S.

15 STAND SHORT TRIP BEFORE DST #5.

VIS 50, WT 9.0, FIL 6.4

DST #5: FT SCOTT THRU CHER.: 4326- 4422:

WK INCR BLOW 3" FFP; 5-15-30-60; 63' OCM; SIP: 409-1052, FP: 18-22, 26-31.

porosity; N.S.

light oil:

porosity; N.S.

N.S., 4450 stop.

Sand/SiltSt/Shale: as above;