

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINA Form ACO-1 September 1999 Must Be Typed

WELL COMPLETION FORM WELL HISTORY – DESCRIPTION OF WELL & LEASE

Operator: License #3842	API No. 15 - 101-21920-0000
LARSON OPERATING COMPANY Name: A DIVISION OF LARSON ENGINEERING, INC.	County: LANE
Address: 562 WEST STATE ROAD 4	Sec. 11 Twp. 19 S. R. 29 ☐ East ☑ West
City/State/Zip: OLMITZ, KS 67564-8561	460 feet from NORTH Line of Section
Purchasor: NCPA	1700 foot from MEST Line of Costion
Operator Contact Person: TOM LARSON AUG 1 1 20	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 653-7368	(circle one) NE SE NW SW
Phone: (620) 653-7368 Contractor: Name: BERENTZ DRILLING COMPANY, INC. License: 5892	Lease Name: SPATZ Well #: 2-11
License: 5892	Field Name: PARIS NORTH
Wellsite Geologist: ROBERT LEWELLYN	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 2806' Kelly Bushing: 2811'
X New Well Re-Entry Workover	Total Depth: 4632' Plug Back Total Depth: 4583'
X Oil SWD SIOW Temp Abd.	Amount of Surface Pipe Set and Cemented at 258 Feet
Gas ENHR SIGW	Multiple State Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set 2104 Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 2104
Operator:	feet depth to SURFACE w/ 195 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALTI NH8-25 08
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
Plug Back Plug Back Total Depth	Chloride content19000 ppm Fluid volume450 bbls
Commingled Docket No.	Dewatering method usedALLOWED TO DRY
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
4/14/2006 4/28/2006 6/13/2006	Quarter Sec Twp S. R 🗌 East 🗌 West
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workov Information on side two of this form will be held confidential for a period of	with the Kansas Corporation Commission, 130 South Market-Room 2078, Wichita, ter or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING ubmit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regula herein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
$\bigcap OO$	KCC Office Use ONLY
Signature: auf Fac	Letter of Confidentiality Attached
Title: SECRETARY/TREASURER Date: 8/10/2006	If Denied, Yes ☐ Date:
Subscribed and sworn to before me this10TH day of 2006	Wireline Log Received
2006.	— Wireline Log Received — Geologist Report Received — UIC Distribution — CCWICHITA
$ \begin{pmatrix} 1 \\ 1 \end{pmatrix}$	Could be seemed as a seemed as
Notary Public: New Association of the Notary Public Association of	UIC Distribution AU0
Date Commission Expires: A. DEBRA J. LUDWIG Notary Public - State of Kansas	KCC WICHTIA
My Appt. Expires 5/5/2008	,

Operator Name: _A	ARSON OPE				NC.	Lea	se Name: _	SPATZ			2-11	
Sec11	Гwp. <u>19</u>	S. R.	29	_	ıst 🛛 West	t Cou	nty:	LANE				
INSTRUCTIONS: Show important tops and base of formation penetrated. Detail all cores. Report all final copes of drill stem 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geologist well site report.												
Drill Stem Tests Tal		×	Yes	☐ No)	Log	F	Formation (To	o), Depth and Da	ıtum	☐ Sample	
Sample Sent to Geological Survey ☐ Yes ☒ No					t	Name ANHYDRII BASE ANH				Top 2141 2168	Datum +670 +643	
Cores Taken			Yes	⊠ No	,	HEEBNER				3941	-1130	
Electric Log Run (Submit Copy)		⊠	Yes	□ No	,	LANSING 3982 STARK SH 4260 MARMATON 4374 PAWNEE 4468					-1171 -1449 -1563 -1657	
List All E. Logs Run: DUAL INDUCTION FORT SCOTT 4516 -1 DUAL COMP POROSITY CHEROKEE SH 4540 -1						-1705 -1729 -1803						
				ING RECO		☐ New	Use ermediate, p	roduction, etc				
Purpose of string	Size Hole Drilled	Size Co	asing	Weight Lbs./Ft.	Setting Depth		Type of Cement	# Sac Used	(S T	Additives		
SURFACE	12-1/4"	8-5/	8"	28#	258'	CLASS A		175	2% GEL, 3%	2% GEL, 3% CC		
PRODUCTION	7-7/8"	5-1/	2"	15.5#	4628'	SMD		125		1/4#/SK FLOCELE 5% CALSEAL, 10% SALT, 5#/SK GILSONITE,		
						EA-2		100	5% CALSE		/SK GILSONITE,	
				ADI	DITIONAL C	EMENTING/	SQUEEZE F	RECORD				
Purpose:		De Top	pth Bottom		Туре	of Cement		# Sacks Used Type and Percent Additives				
Perforate Protect Cas Plug Back 7 Plug Off Zo	[מו	SURF	2104	SMD				195	1/4#/SK FL0	OCELE		
			!					<u> </u>				
Shots per Foot					Plugs Set/1 I Perforated				cture, Shot, Cem Kind of Material	ent, Squeeze Reco Used)	ord Depth	
4	4474-76, 431	8-22, 429	5-96, 425	3-56, 4222	-24, 4214-1	7, 4188-94	SEE ATTA	CHED				
4	4222-24, 421	4-17, 418	8-94									
TUBING RECORD			3/8"	Set At 4579	!	acker At	Liner Run	☐ Yes	⊠ No			
Date of First, Resul		n, SWD (or Enhr.	Produci	ng Method	_	Cloude -	⊠ D	ing ∏ Gas	s Lift □ Otl	her <i>(Explain</i>)	
Estimated Producti Per 24 Hours	6/15/06 on	Oil 55	Bbls.	Gas	Mo 0		Flowing ter Bb 85	Is. Pump	Gas-Oil Ratio		Gravity 34	
Disposition of Gas						METHOD C	OF COMPLE	TION			Production Interval	
_	Sold	☐ Us	ed on Lea	ıse	□Оре		⊠ Perf.	☐ Dually C	omp. 🗆 Co	ommingled	4253-4476 OA	
.,	· - · /				☐ Othe	er (Specify)						

Operator	Name:				OMPANY ENGINEE	ERING, INC.	Lease Name:	SPATZ	Well #:	2-11	
Sec	11	Twn	10	٠,	 20	☐ Fact ☑ West	County:	LANE	•		

Acid. Fracture, Shot, Cement, S	Grueeze Record					
(Amount and Kind of Material Used)	Depth					
AC: 250 GAL 15% MCA	4474-76					
SQZ: 50 SX CLASS A	4295-96					
SQZ: 50 SX CLASS A	4295-96					
AC: 250 GAL 15% MCA	4318-22					
AC: 250 GAL 15% MCA	4253-56					
AC: 500 GAL 15% NEFE	4253-56					
SQZ: 75 SX CLASS A	4188-94, 4214-17, 4222-24					
AC: 500 GAL 15% MCA	4222-24, 4214-17, 4188-94					
SQZ: 75 SX CLASS A	4188-94, 4214-17, 4222-24					
<u> </u>						

KCC
AUG 1 1 2006
CONFIDENTIAL

RECEIVED
AUG 1 4 2006
KCC WICHITA



CHARGE TO: ADDRESS CITY, STATE, ZIP				crson Ope	are ting	AUG 1 1 CONFIDE	2006			. 1	√ º		5	
Service						ODIALIDE	MIL				PAG	3E 1	OF	<u>)</u>
HAYS JICKET TYPE I CONTRACTOR			LEASE	patz	COUNTY/PARISH LGne RIG NAME/NO.	K _S	CITY DELIVERED T	0		OR	E 5-10-06 DER NO.	OW	NER	<u> </u>
. Dil I				ATEGORY Velop	JOB PURPOSE CMT PONTCOLL	G, 7,	之,みぃ,ん WELL PERMIT	E. Dis	Honks	WEI	LL LOCATION			
	INVOICE INSTRUCT	AC	OUNTING ACCT DF		DESCRIPTION						UNIT		AMOUNT	
575		1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MILEAGE	#/05		QTY. 4/O	U/M	QTY.	U/M	PRICE	l _m		$\overline{}$
578		1		Pump Ser)	m?				120		00
290		1		D-Air			,	135/ 135/			<u>/aso</u>	100	1250	၂၈၀
330		2		Smacen	reat		195				<u> </u>		32 2340	
276		a		Flocele			56					125		<u>ω</u> 100
581		2			Chs CMT		225	T				10		50
583	CCUMIC	2	-	Drayage	•		44932					100	449	132
	THE STATE OF THE S											<u>i</u> 		<u> </u>
	THE STATE OF THE S											 		
				,					. UN-			 		
LEGAL TERMS: Custor the terms and conditions but are not limited to PA	on the reverse side here	of which	include,	de, REMITPAYMENTIO:			SURVEY ACCOUNT EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			DIS- AGREE	AGREE PAGE TOTAL		4548	। 8२
but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO				SWIFT SERVICES, INC.			DD AND DS? /AS THOUT DELAY?							
	START OF WORK OR DELIVERY OF GOODS				· •			T			Lanc TAX 5.3	70	129	43
DATE SIGNED D570-06	TIME SIGNED		P.M.	•	35-798-2300	ARE YOU SATISF	IED WITH OUR YES TOMER DID N		□ NO		TOTAL		4678	125

APPROVAL

Thank You!

OBLOG SWIFT Services, Inc. DATE 05-10-06 PAGE NO.
TICKET NO. 9935 CUSTOMER Larson Operating WELL NO. JOB TYPE CMT, PONCO//cr VOLUME PUMPS TIME DESCRIPTION OF OPERATION AND MATERIALS 1010 225 Sy Smo W Flocele CONCIDENTIAL 23/8765 Shace, P.C. 2104 1030 Stat P.C. 700/ 9 Tbs 1210 Ford R PSI Tost 1227 1000 GCO1 open PC
Zijection Rote
Start Mixing CMT @ 11.2
Start to Circ topit 1230 3,0 200 4.0 1233 200 4.5 26 4/00 4.0 61 605 Start Mixing 40 Cmy 4.0 97 600 103 4.0 600 0 450 7.5 450 Ps: Test 1308 1000 1000 Run 5 Joints 1315 2.7 *3*Sv CMT 8,5 Clean ವಿಲಾ 11,5 CinT Clean 1324 18 end Rov. s. I 27 200 RECEIVED CC WICHITA Jub Complete 1450 Than Wou! Day, Blanc, Brott

SI	VIFT		ĀI	HARGE TO: DDRESS TY, STATE, 2			Operation	J	1 406	KC 11	_			•	040	12
SERVICE LOCATIONS 1. 1/2SS Cit	, ,	PROJECT NO.		LEA	Č	mitz, K atz	COUNTY/PARISH	STATE KS	CONFI	UEN Cr	HA.K		TE 4-28-0	1 Owi	NER	(3)
3. 4. REFERRAL LOCATION	WELL	ERVICE ALES		- Bere	L CAT	EGORY JOB F	PURPOSE	VIA	DELIVERED TO S & WELL PERMIT	of	Dight	lan OR	ELL LOCATION			· .
PRICE REFERENCE	SECONDARY REFEI		LOC	CCOUNTING ACCT	DF	4 1-	DESCRIPTION		QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUNT	
578			1			Pun D	Charge		40	mi ea	,		1250	00	160	80
281			1	· · · · · · · · · · · · · · · · · · ·		Mud Liguid	KCL		500 2	and			عاد	125		00 00
419	Ô	AUG	, BEC			Rotating	g Head		1	Ea	51	14	250	<u>8</u>	250	
	2	1 4 2006	EWE											 	2087	00
		006	0			- tron C	on tinuatron	Page							3939	1
LEGAL TERMS	,				_	•								<u> </u>	· .	
the terms and cond	Customer hereby ac litions on the reverse to, PAYMENT, REI ANTY provisions.	side hereo	of whic	h include,			YMENT TO:	OUR EQUIPMENT WITHOUT BREAK WE UNDERSTOOI MET YOUR NEED OUR SERVICE WA	PERFORMED DOWN? D AND S?	AGR	EE DECIDEO	AGREE	PAGE TOT	AL	60 26	75
X START OF WORK OR DEI	c. Janson		R TO			P.O. B	RVICES, INC. OX 466 Y, KS 67560	PERFORMED WIT WE OPERATED TI AND PERFORMED CALCULATIONS SATISFACTORILY ARE YOU SATISFI	HOUT DELAY? HE EQUIPMENT) JOB '?		7		Lane TAX 5.3	7.	208	06
DATE SIGNED 4728-	TIME SIG	30	R ACCI	PTANCE C	OF MA		98-2300 The customer hereby ack	cus	YES TOMER DID NO	T WISH T	O RESPOND		TOTAL		6256	 8
SWIFT OPERATOR	e of the	ele	ノ	APF	PROVA	L	o nordby duk	inomicogos receipror (ne materials at	id Servic	es listen ou (is ticket			Thank?	lou!



PO Box 466 Ness City, KS 67560

TICKET CONTINUATION

No. 10040

		Ness City, KS	67560				L No. 1087	20
Service	o. Inc.	Off: 785-798	3-2300	customer Larson Opera	ating WELL-11	Spatz	DATE -28-06	PAGE OF
PRICE REFERENCE	SECONDARY REFER	ENCE/ ACCOU	INTING [®] TI	IE DESCRIPTION	y Transfer		i UNIT TE	AMOUNT
325		200	OF DE		QTY.	U/M QTY. U/M		
294				Standard C Calseal	, , , , , , , , , , , , , , , , , , , ,	5 K.	9 60	960 0
2-83				Calseal		5 6	30 00	1500
				Salt	5∞		120	100 00
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-581				SERVICE CHARGE CEMENT	CUBIC FEET		1 12	21/7 50
583				MILEAGE TOTAL WEIGHT CHARGE 23275	OADED MILES TON MILES	C 54	1 00	145
1					10 10		4	61.75
. * :						CONTIN	NUATION TOTAL	393175

JOB LOG SWIFT Services, Inc. DATE 1-28-06 PAGE NO TICKET NO. LEASE patz CUSTOMER Operation Larson PUMPS T C PRESSURE (PSI) VOLUME (BBL) (GAL) DESCRIPTION OF OPERATION AND MATERIALS 3: 15 Last of Csa 3:30 3:40 0:5115 4 8 20 05150 05/30 4/02 70 0434 0424 DI 06700 RECEIVED UG 1 4 2006 Kled WICHITA

ALLIED CEMENTING CO., INC.

24199

REMIT TO P.O. BOX 31	SERVICE POINT:
RUSSELL, KANSAS 67665	
/ GEG MANA	- C-reat Bend
DATE 4/5-06 SEC. TWP. RANGE	CALLED OUT ON LOCATION JOB START JOB FINISH
$\frac{1}{\sqrt{2}}$	1200 AM 630 AM 7130AM 8115 AM
LEASE Spars WELL# 2-11 LOCATION DIA	COUNTY STATE
OLD OR NEW)(Circle one)	
CONTRACTOR LAG	L esto
CONTRACTOR W/4 B OR 4 TYPE OF JOB Suc La Contractor	OWNER LARSON Fragineering
HOLE CIZE LAY	'
CASING SIZE OSTA	CEMENT
TUBING SIZE 83/2 DEPTH 2621	AMOUNT ORDERED 175 Sex Common
DRILL PIPE DEPTH	- CO / C C C C C C C C C C C C C C C C C
TOOL DEPTH	2000
PRES. MAX MINIMUM PRES. MAX	ENTIAL
MEAG I DIE	COMMON_175 @ 9.60 1680.00
CEMENT LEFT IN CSG. Q.O.O.R. (4)	POZMIX@
PERFS.	GEL 4 @ 15.00 60.00
DISPLACEMENT 15 2	CHLORIDE 5 @ 42.00 210.00
	ASC@
EQUIPMENT	@
	@
PUMPTRUCK CEMENTER Jack	RECEIVED @
# 120 HELPER (200	OCTOPINED @
BULK TRUCK	AUG 1 4 2006 @
# 860 DRIVER Randon	@
BULK IRUCK	KCC WICHITA @
# DRIVER	
	HANDLING 184 @ 1.70 312.80
DEMARKO	MILEAGE 37.7.184 476.56
REMARKS:	TOTAL 2739.36
Iven 7, to of used 2816 pipe -coment	101AL 01797196
with 175 sx coment. Displace plug	
with 15 2 BBIS & Fresh water	SERVICE
	DEPTH OF JOB
	DIMP TRUCK CHAP CE

LARSON OPERATING COMPANY A DIVISION OF LARSON ENGINEERING, INC. .562 WEST STATE ROAD 4

OLMITZ, KS 67564-8561

(620) 653-7368 (620) 653-7635 FAX -03/11/07 8-11-2008

ACO-1 CONFIDENTIALITY REQUEST

KCC
AUG 1 1 2006
CONFIDENTIAL

Via USPS Priority/Return Receipt

August 11, 2006

Kansas Corporation Commission Attn: Dave Williams 130 South Market, Room 2078 Wichita, KS 67202

Re:

Spatz 2-11

Lane County, Kansas API #15-101-21920-0000

Dear Dave,

Enclosed please find the ACO-1 Well Completion Form, with copies of all logs, geo report, DST's, and cementing tickets for the captioned well. We request that all information be held confidential for the period of one year.

If you have questions, please call.

Sincerely,

RECEIVED

AUG 1 4 2006

KCC WICHITA

Larson Operating Company

Carol Larson

Secretary/Treasurer

encl.