

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED
KANSAS CORPORATION COMMISSION
Form ACO-1
November 1999
Form Must Be Typed

SEP 15 2006

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION
WICHITA, KS

Operator: License # 3842
Name: LARSON OPERATING COMPANY
A DIVISION OF LARSON ENGINEERING, INC.
Address: 562 WEST STATE ROAD 4
City/State/Zip: OLMITZ, KS 67564-8561
Purchaser: _____
Operator Contact Person: TOM LARSON
Phone: (620) 653-7368
Contractor: Name: MURFIN DRILLING COMPANY
License: 30606
Wellsite Geologist: THOMAS FUNK

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

6/14/2006 6/24/2006
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 101-21931-0000
County: LANE
APP SE SW NW Sec. 4 Twp. 20 S. R. 30 East West
2175 feet from NORTH Line of Section
970 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: HOTT Well #: 1-4
Field Name: WILDCAT
Producing Formation: _____
Elevation: Ground: 2932 Kelly Bushing: 2937
Total Depth: 4750 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 256 Feet
Multiple State 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 PA UK 7-24-08
(Data must be collected from the Reserve Pit)
Chloride content 17000 ppm Fluid volume 1800 bbls
Dewatering method used ALLOWED TO DRY
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South Market-Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Carol Larson
Title: SECRETARY/TREASURER Date: 9/14/06
Subscribed and sworn to before me this 14TH day of SEPTEMBER,
2006.
Notary Public: Debra J. Ludwig
Date Commission Expires: 5/5/2008

DEBRA J. LUDWIG
Notary Public - State of Kansas
My Appt. Expires 5/5/2008

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: LARSON OPERATING COMPANY
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: HOTT Well #: 1-4

Sec. 4 Twp. 20 S. R. 30 East West County: 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 Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Sample Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	ANHYDRITE	2187	+750
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	BASE ANHYDRITE	2249	+688
List All E. Logs Run:	DUAL INDUCTION DUAL COMP POROSITY MICRORESISTIVITY BOREHOLE COMP SONIC		HEEBNER SH	3960	-1023
			LANSING	4006	-1069
			STARK SH	4303	-1366
			PAWNEE	4506	-1569
			FT SCOTT	4549	-1612
			CHEROKEE SH	4572	-1635
			MISSISSIPPIAN	4650	-1713

CASING RECORD <input type="checkbox"/> New <input checked="" 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
SURFACE	12-1/4"	8-5/8"	24#	256'	CLASS A	180	2% GEL, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid. Fracture, Shot, Cement, Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method		
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
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 <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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ALLIED CEMENTING CO., INC.

25009

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY

SEP 14 2006

DATE <u>6-14-06</u>	SEC. <u>H</u>	TWP. <u>20S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>8:15 PM</u>	JOB START <u>1:00 PM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Hoff</u>	WELL # <u>1-4</u>	LOCATION <u>AMY 1/2 W-85-2W-1/2 S-E1N</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				KANSAS CORPORATION COMMISSION			

CONTRACTOR MURFIN DRILL RIG # 24 OWNER SAME

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 257'

CASING SIZE 8 7/8" DEPTH 257'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 15 1/2 BBL.

CEMENT CONSERVATION DIVISION
WICHITA, KS

AMOUNT ORDERED 180 SKS COM 38CC286EL

COMMON	<u>180 SKS</u>	@	<u>12.30</u>	<u>2196.00</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	<u>6 SKS</u>	@	<u>46.60</u>	<u>279.60</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>189 SKS</u>	@	<u>1.90</u>	<u>359.10</u>
MILEAGE	<u>84 PER SK/MILE</u>			<u>756.00</u>
TOTAL				<u>3640.65</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

191 HELPER WAYNE

BULK TRUCK

377 DRIVER ALAN

BULK TRUCK

_____ DRIVER _____

REMARKS:

CEMENT did CERC

THANK YOU

CHARGE TO: LARSON OPERATING, CO.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>815.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50 MI</u>	@	<u>5.00</u>	<u>250.00</u>
MANIFOLD		@		
<u>HEAD RENTAL</u>		@		<u>100.00</u>
		@		
TOTAL				<u>1165.00</u>

PLUG & FLOAT EQUIPMENT

<u>8 7/8 SURFACE plug</u>	@		<u>60.00</u>
	@		
	@		
	@		
	@		
TOTAL			<u>60.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Anthony Martin
Great Job Guys

Anthony Martin
PRINTED NAME

ALLIED CEMENTING CO., INC.

25019

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC
SEP 15 2006

SERVICE POINT: OKLEY

DATE <u>6-24-06</u>	SEC. <u>4</u>	TWP. <u>20S</u>	RANGE <u>30W</u>	CON. <u>CON</u>	CALLED OUT	ON LOCATION <u>4:15 AM</u>	JOB START <u>7:15 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>Hott</u>	WELL # <u>1-4</u>	LOCATION <u>AMY 1/2W-8S-2W-11S-E 7N</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	RECEIVED	
OLD OR <input checked="" type="radio"/> NEW (Circle one)						KANSAS CORPORATION COMMISSION		

CONTRACTOR MUREN DRUG. REG # 24

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D. 4750'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" DEPTH 2280'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER SAME

SEP 15 2006

CEMENT AMOUNT ORDERED

235 SKS 60/40 P02 6% GEL 1/4" Flt-SEA

COMMON	<u>141 SKS</u>	@	<u>12.20</u>	<u>1720.20</u>
POZMIX	<u>94 SKS</u>	@	<u>6.10</u>	<u>573.40</u>
GEL	<u>12 SKS</u>	@	<u>16.63</u>	<u>199.80</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
	<u>Flt-SEA 59#</u>	@	<u>2.00</u>	<u>118.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>247 SKS</u>	@	<u>1.90</u>	<u>469.30</u>
MILEAGE	<u>84 PER SK / MILE</u>			<u>988.00</u>
TOTAL				<u>4068.70</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

373 HELPER Andrew

BULK TRUCK

218 DRIVER REX

BULK TRUCK

_____ DRIVER _____

REMARKS:

50 SKS AT 2280'

50 SKS AT 1380'

50 SKS AT 690'

50 SKS AT 280'

20 SKS AT 60'

15 SKS RAT HOLE

THANK YOU

CHARGE TO: LARSON OPERATING.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 2280'

PUMP TRUCK CHARGE _____ 955.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 50 ME @ 5.00 250.00

MANIFOLD _____ @ _____

TOTAL 1205.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Donald Stuber

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

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

~~09/14/09~~
9-14-2008
RECEIVED
KANSAS CORPORATION COMMISSION

SEP 15 2006

CONSERVATION DIVISION
WICHITA, KS

ACO-1 CONFIDENTIALITY REQUEST

September 14, 2006

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

Re: Hott 1-4
Lane County, Kansas
API #15-101-21931-0000

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. Also enclosed is the CP-4 Well Plugging Report. We request that all information be held confidential for the period of one year.

If you have questions, please call.

Sincerely,

Larson Operating Company



Carol Larson
Secretary/Treasurer

encl.