

ORIGINAL

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Must Be Typed

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 01 2005

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: NCRA, ONEOK  
Operator Contact Person: TOM LARSON  
Phone: (620) 653-7368  
Contractor: Name: DUKE DRILLING CO., INC.  
License: 5929  
Wellsite Geologist: THOMAS BLAIR

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  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. \_\_\_\_\_

8/3/2005 8/12/2005 10/3/2005  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 007-22908-00-00 CONSERVATION DIVISION  
WICHITA, KS  
County: BARBER  
S/2 SW SW Sec. 4 Twp. 32 S. R. 15  East  West  
330 feet from SOUTH Line of Section  
660 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: MARSH Well #: 1-4  
Field Name: WILDCAT  
Producing Formation: MISSISSIPPIAN  
Elevation: Ground: 2028' Kelly Bushing: 2039'  
Total Depth: 5010' Plug Back Total Depth: 4975'  
Amount of Surface Pipe Set and Cemented at 336 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 ALT I within 2-8-07  
(Data must be collected from the Reserve Pit)  
Chloride content 9500 ppm Fluid volume 1800 bbls  
Dewatering method used REMOVED FREE FLUIDS  
Location of fluid disposal if hauled offsite:  
Operator Name: OIL PRODUCERS, INC. OF KANSAS  
Lease Name: RICH #9 SWD License No.: 8061  
Quarter SE Sec. 22 Twp. 32 S. R. 19  East  West  
County: COMANCHE Docket No.: 28,178

**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: Caryl Larson  
Title: SECRETARY/TREASURER Date: 11/30/2005  
Subscribed and sworn to before me this 30TH day of NOVEMBER,  
2005.  
Notary Public: Debra J. Ludwig  
Date Commission Expires: MAY 5, 2008

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

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

✓

X

Operator Name: LARSON OPERATING COMPANY  
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: MARSH Well #: 1-4  
 Sec. 4 Twp. 32 S. R. 15  East  West County: BARBER

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets)  Sample Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)  List All E. Logs Run: <u>DUAL INDUCTION</u> <u>NEUTRON DENSITY</u> <u>MICRO LOG</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"><input checked="" type="checkbox"/> Log</td> <td style="width:55%;">Formation (Top), Depth and Datum</td> <td style="width:15%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>HEEBNER</td> <td>4176</td> <td>-2137</td> </tr> <tr> <td>MIDDLE DOUGLAS SS</td> <td>4262</td> <td>-2223</td> </tr> <tr> <td>LANSING</td> <td>4338</td> <td>-2299</td> </tr> <tr> <td>BASE KC</td> <td>4796</td> <td>-2757</td> </tr> <tr> <td>MARMATON</td> <td>4810</td> <td>-2771</td> </tr> <tr> <td>PAWNEE</td> <td>4848</td> <td>-2809</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>4890</td> <td>-2851</td> </tr> <tr> <td>TD</td> <td>5010</td> <td>-2971</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	HEEBNER	4176	-2137	MIDDLE DOUGLAS SS	4262	-2223	LANSING	4338	-2299	BASE KC	4796	-2757	MARMATON	4810	-2771	PAWNEE	4848	-2809	MISSISSIPPIAN	4890	-2851	TD	5010	-2971
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																													
Name	Top	Datum																													
HEEBNER	4176	-2137																													
MIDDLE DOUGLAS SS	4262	-2223																													
LANSING	4338	-2299																													
BASE KC	4796	-2757																													
MARMATON	4810	-2771																													
PAWNEE	4848	-2809																													
MISSISSIPPIAN	4890	-2851																													
TD	5010	-2971																													

CASING RECORD <input checked="" 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"	28#	336'	CLASS A	215	2% GEL, 3% CC
PRODUCTION	7-7/8"	4-1/2"	10.5#	5006'	AA-2	150	10% SALT, 1% GAS-BLOCK, 0.8% FLA-322
							0.25% DEFOAMER, 5#/SK GILSONITE

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 Specify Footage of Each Interval Perforated	Acid. Fracture, Shot, Cement, Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
2	4922-36'	1000 GAL 15% MCA	4922-36'
		31700 GAL 70% N2 FOAM, 24500# 20-40 SAND, 10000# 12-20 SAND & 4500# 12-20 SAND	4922-36'

TUBING RECORD	Size 2-3/8"	Set At 4965'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 10/17/05		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 55	Gas Mcf 130	Water Bbls. 80	Gas-Oil Ratio 2.36
				Gravity 30

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION Production Interval  
4922-36

**CONFIDENTIAL**



INVOICE NO.
Date <b>8/12/05</b>
Customer ID

Subject to Correction			
Lease <b>Marsh</b>	Well # <b>1-14</b>	Legal <b>4-32S-1SW</b>	
County <b>BARBER</b>	State <b>Ks</b>	Station <b>PRATT</b>	

**FIELD ORDER** 10724 ✓

<b>C H A R G E</b>	<b>LARSON OPERATING</b>	Depth <b>4 1/2 to 2 3/4"</b>	Formation <b>7Pc S001</b>	Shoe Joint <b>41.38' L.O RAPPLE</b>
		Casing <b>4 1/2</b>	Casing Depth <b>5006.69</b>	TD <b>5010</b>
		Customer Representative <b>Tom LARSON</b>	Treater <b>T. SEBA</b>	

AFE Number	PO Number	Materials Received by <b>X T.C. Larson</b>
------------	-----------	--

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-205	150SK	AA-2	-			
D-203	25SK	60/40 Poz	-			
C-195	113 lbs	FLA-322	-			
C-221	776 lbs	SATI	-			
C-243	36 lbs	DEFOAMER	-			
C-312	141 lbs	GAS BLOK	-			
C-321	748 lbs	GILSONITE	-			
C-302	500 GAL	MUD FLUSH	=			
C-304	500 GAL	SUPER FLUSH II	=			
E-100	50 MI	HEAVY VEH MI				
E-101	50 MI	PU MI				
E-104	40 BTM	BULK DELIVERY				
E-107	175 SKS	CMT SERV. CHARGE				
R-211	1 EA	CSG Pump CHARGE		5001-5500		
R-701	1 EA	CMT HEAD RENTAL				
R-702	1 EA	CSG SWIVEL RENTAL				
		DISCOUNTED PRILE =		7,459.94		
		+ TAXES				

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
DEC 01 2005  
CONSERVATION DIVISION  
WICHITA, KS

**CONFIDENTIAL**



RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 01 2005

CONFIDENTIAL

TREATMENT REPORT

Field Order # 10724	Station PRATT	Casing 4 1/2	Depth 5006.69	Date 8/12/05
Type Job 4 1/2 L.S. NEW WELL	Formation TD = 5010'	Lease MARSH	Lease No.	Well # 1-14
Customer LARSON OPEL.	County Baebler	State KS	Legal Description 4-325-15W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size NEW	Shots/Ft NEW		Acid 150 SKS AA-2		RATE	PRESS	ISIP
Depth 5006.69	Depth TP = 5011'	From	To	Pre Pad 10% SAIT 1% Gas	Max Blok 8% PLA-322			5 Min.
Volume 18.95	Volume	From	To	Pad 1.25% DEPOAMER	Mid 5% GILSONITE			10 Min.
Max Press 2000	Max Press	From	To	Frac # 15% GAL 1.44 H3	Avg			15 Min.
Well Connection PC	Annulus Vol.	From	To	25 SKS 60/40 P02	HHP Used R-M HOLES			Annulus Pressure
Plug Depth 4965.31	Packer Depth	From	To	Flush 12 Bbls MP 20 Bbls H2O	Gas Volume 12 Bbls SPT 3 Bbls H2O			Total Load

Customer Representative: Tom LARSON  
Station Manager: O. SCOTT  
Treater: T. SEBA

Service Units	123	328	347	501
---------------	-----	-----	-----	-----

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00					CALED OUT
2:10					ON LOC W/ TRK'S - SAFETY MTG
					RUN 120ITS 4 1/2 10 1/2 LSG NEW SETD 5006.69
					APU F SHDR' L.D BOPPB 1ST = 41.38'
3:05					CSG ON BOTTOM TAG! DROP BALL
3:15					Hook up to CSG! BREAK CIRC W/ TRG 1 1/2 hrs ROTAB
					START PUMPING PREP/WHES
4:50	250		12	3	12 Bbls M. Flush
			20		20 Bbls H2O
			12		12 Bbls SPT
			3		3 Bbls H2O
5:02				4	START MIX: Pump 150 SKS AA-2 15% GAL
5:12			38.5		SHUT DOWN Release Plug CLEAR P. LINES
5:15	150			6	START DISO
				4	LIFT OUT DROU'T SEE
			7	2	Plug down
					LOST CIRC WHEN FLUSHES TURNED
5:30			79		DROU'T SEE Plug LANN
			80 1/2	2	2% OVER - then went 3% OVER
			81.3	2	Release: Flowed Back
					CLOSE IN ON CSG

6:00

PLUG R-M HOLES  
Taylor Printing, Inc.

# ALLIED CEMENTING CO., INC. 20764

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

SERVICE POINT:  
**CONFIDENTIAL** Med. Lodge

DATE <u>8-3-05</u>	SEC. <u>4</u>	TWP. <u>32s</u>	RANGE <u>15W</u>	CALLED OUT <u>12:00 PM</u>	ON LOCATION <u>2:00 PM</u>	JOB START <u>5:55 PM</u>	JOB FINISH <u>6:15 PM</u>
LEASE <u>MARSH</u>	WELL # <u>1-4</u>	LOCATION <u>160+ Sun City Rd., 1/2W</u>			COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>N/S</u>					

CONTRACTOR DUKE DRILG. #1

TYPE OF JOB SURFACE CASING

HOLE SIZE 12 1/4" T.D. 336'

CASING SIZE 8 5/8" 28# DEPTH 336'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 20'

PERFS. \_\_\_\_\_

DISPLACEMENT 19 3/4 BBLs WATER

EQUIPMENT

PUMP TRUCK # 343 CEMENTER KEVIN B.  
HELPER DENNES C.

BULK TRUCK # 389 DRIVER JASON K.

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER CARSON ENGINEERING

CEMENT AMOUNT ORDERED  
21.5 cu 60:40:2 + 2% CC + 1% AC

COMMON <u>A</u>	<u>129</u>	@	<u>8.70</u>	<u>1122.30</u>
POZMIX	<u>36</u>	@	<u>4.70</u>	<u>404.20</u>
GEL	<u>4</u>	@	<u>14.00</u>	<u>56.00</u>
CHLORIDE	<u>5</u>	@	<u>38.00</u>	<u>190.00</u>
ASC		@		
<u>AM. CHLORIDE</u>	<u>4</u>	@	<u>33.00</u>	<u>132.00</u>
<b>RECEIVED</b>				
KANSAS CORPORATION COMMISSION				
DEC 01 2005				
CONSERVATION DIVISION				
WICHITA, KS				
HANDLING	<u>228</u>	@	<u>1.60</u>	<u>364.80</u>
MILEAGE	<u>228</u>	x	<u>.06</u>	<u>300.96</u>
				TOTAL <u>2570.26</u>

**REMARKS:**

RUN 7 JTS 8 5/8" CASING  
BREAK CIRCULATION  
RTG UP TO CEMENT PUMP  
PUMP 5 BBLs FRESH WATER  
MAX 21.5 cu 60:40:2 + 2% CC + 1% AC  
DISPLACE PLUG TO 316'  
CEMENT DIED CIRCULATE!

CHARGE TO: CARSON ENGINEERING

STREET 562 W. HIGHWAY 4

CITY OLMITZ STATE KANSAS ZIP 67564

**SERVICE**

DEPTH OF JOB	<u>336'</u>			
PUMP TRUCK CHARGE	<u>9-300'</u>			<u>670.00</u>
EXTRA FOOTAGE	<u>36'</u>	@	<u>.55</u>	<u>19.80</u>
MILEAGE	<u>222</u>	@	<u>5.00</u>	<u>110.00</u>
MANIFOLD		@		
<u>Head Rental</u>		@	<u>75.00</u>	<u>75.00</u>
				TOTAL <u>874.80</u>

**PLUG & FLOAT EQUIPMENT**

<u>1-8 5/8" WOODEN PLUG</u>	@	<u>55.00</u>	<u>55.00</u>
_____	@		
_____	@		
_____	@		
_____	@		
TOTAL <u>55.00</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.

**ANY APPLICABLE TAX  
WILL BE CHARGED  
UPON INVOICING**

SIGNATURE Michael Gaffrey

TAX \_\_\_\_\_

TOTAL CHARGE ~~2570.26~~

DISCOUNT - ~~2570.26~~ IF PAID IN 30 DAYS

Michael Gaffrey  
PRINTED NAME