

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

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: N/A
Operator Contact Person: TOM LARSON
Phone: (620) 653-7368
Contractor: Name: MURFIN DRILLING CO., INC.
License: 30606
Wellsite Geologist: THOMAS FUNK

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. _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - 101-21932-00-00

County: LANE

APP NE NW SW Sec. 14 Twp. 20 S. R. 30 ☐ East ☒ West

2400 feet from SOUTH Line of Section

1160 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: SCHWARTZ Well #: 1-14

Field Name: _____

Producing Formation: _____

Elevation: Ground: 2849 Kelly Bushing: 2854

Total Depth: 4701' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 210 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 NH 8-20-08
(Data must be collected from the Reserve Pit)

Chloride content 16000 ppm Fluid volume 420 bbls

Dewatering method used ALLOWED TO DRY, THEN BACKFILLED

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 Ka

Title: SECRETARY/TREASURER Date: 12/20/06

Subscribed and sworn to before me this 20TH day of DECEMBER,

2006.

Notary Public: Debra J. Ludwig

Date Commission Expires: MAY 5, 2008

KCC Office Use ONLY

☒ Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

☐ Wireline Log Received

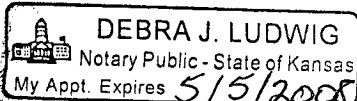
☐ Geologist Report Received

☐ UIC Distribution

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KANSAS CORPORATION COMMISSION

DEC 21 2006

CONSERVATION DIVISION
WICHITA, KS



Operator Name: **LARSON OPERATING COMPANY**
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: **SCHWARTZ** Well #: **1-14**
 Sec. **14** Twp. **20S** 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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Sample Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ANHYDRITE	2111	+743
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BASE ANHYDRITE	2172	+682
List All E. Logs Run:	DUAL INDUCTION	HEEBNER SH	3937	-1038
	DUAL COMP POROSITY	LANSING	3981	-1127
	BOREHOLE COMP SONIC	STARK SH	4273	-1419
	MICRORESISTIVITY	PAWNEE	4483	-1629
		FORT SCOTT	4527	-1673
		CHEROKEE SH	4549	-1695
		MISSISSIPPIAN	4626	-1772

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#	210'	CLASS A	150	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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement, Squeeze Record (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

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DEC 21 2006
CONSERVATION DIVISION
WICHITA, KS

Disposition of Gas ☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☒ Other (Specify) **P & A** Production Interval

If vented, submit ACO-18.)

ALLIED CEMENTING CO., INC.

24293

Federal Tax I.D.#

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

SERVICE POINT:

Neosho city

DATE <u>8-22-06</u>	SEC. <u>14</u>	TWP. <u>20</u>	RANGE <u>30</u>	CALLED OUT <u>10:15am</u>	ON LOCATION <u>1:00pm</u>	JOB START <u>2:30pm</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>Schwartz</u>	WELL # <u>1-14</u>	LOCATION <u>Amy 1/2w 11 1/2 s 1/2 E + S</u>			COUNTY <u>Jame</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murphy Only #24 OWNER

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 209

CASING SIZE 8 5/8 DEPTH 209

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 12 1/4

EQUIPMENT

PUMP TRUCK CEMENTER Mike

224 HELPER J. Weighous

BULK TRUCK

2100 DRIVER Cody

BULK TRUCK

DRIVER

REMARKS:

New 24#
Circ. Cagw/ reg Pump
Mix cemt, deep plug w/ 12 1/4 in.
cemt dnd Circ.

THANKS

CHARGE TO: Larson Open

STREET

CITY STATE ZIP

CEMENT

AMOUNT ORDERED

150 Com 3% cc 2% del

COMMON 150 @ 10.65 1592.50

POZMIX @

GEL 3 @ 16.65 49.95

CHLORIDE 5 @ 46.60 233.00

ASC @

@

@

@

@

@

@

@

@

HANDLING 158 @ 1.90 300.20

MILEAGE 158 x .09 x 50 711.00

TOTAL 2891.65

SERVICE

DEPTH OF JOB 209

PUMP TRUCK CHARGE 815.00

EXTRA FOOTAGE @

MILEAGE 50 @ 6.00 300.00

MANEUVER @

@

@

TOTAL 1115.00

PLUG & FLOAT EQUIPMENT

8 5/8 Top wood @ 60.00 60.00

@

@

@

@

TOTAL 60.00

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Anthony Martin

Anthony Martin

PRINTED NAME

Great Job Guys

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.

24860

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

OAKLEY

PRINTED NAME _____

LARSON ENGINEERING, INC.
562 WEST STATE ROAD 4
OLMITZ, KS 67564-8561
(620) 653-7368
(620) 653-7635 FAX

12/26/08

ACO-1 CONFIDENTIALITY REQUEST - RENEWAL

VIA Fax 316-337-6211

November 19, 2007

Kansas Corporation Commission
Oil & Gas Conservation Division
130 South Market, Room 2078
Wichita, KS 67202

Re: Schwartz 1-14
2400' FSL & 1160' FWL Sec. 14-20S-30W
Lane County, Kansas
API #15-101-21932-00-00

Ladies and Gentlemen:

We request that confidentiality for well information previously filed be extended an additional year. The ACO-1 was filed on 12/20/2006.

If you have any questions or require additional information, please call.

Sincerely,

Larson Engineering, Inc.

Carol Larson
Secretary/Treasurer

Encl.

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19 2007

KCC WICHITA

12-20-08
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

ACO-1 CONFIDENTIALITY REQUEST

UPS NEXT DAY

December 20, 2006

Kansas Corporation Commission
Oil & Gas Conservation Division
130 South Market, Room 2078
Wichita, KS 67202

Re: Schwartz 1-14
Lane County, Kansas
API #15-101-21932-00-00

Ladies and Gentlemen:

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

If you have questions or require additional information, please call.

Sincerely,

Larson Operating Company



Carol Larson
Secretary/Treasurer

Encl.

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CONSERVATION DIVISION
WICHITA, KS