

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

10/23/11

OPERATOR: License # 3842

Name: LARSON ENGINEERING, INC.

Address 1: 562 WEST STATE ROAD 4

Address 2:

City: OLMITZ State: KS Zip: 67564 + 8561

Contact Person: TOM LARSON

Phone: (620) 653-7368

CONTRACTOR: License # 33935

Name: H.D. DRILLING, LLC

Wellsite Geologist: RICHARD S DAVIS JR

Purchaser:

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SLOW

☐ Gas ☐ ENHR ☐ SIGW

☐ CM (Coal Bed Methane) ☐ Temp. Abd.

☒ 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.

6/29/2009 7/11/09 RA 7/11/09

Spud Date or
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 101-22178-00-00

Spot Description:

NE - SE - NW - NE Sec. 30 Twp. 18 S. R. 29 ☐ East ☒ West

935 feet from NORTH Line of Section

1543 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

County: LANE

Lease Name: FAGER Well #: 1-30

Field Name: WILDCAT

Producing Formation:

Elevation: Ground: 2834' Kelly Bushing: 2844'

Total Depth: 4652' Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 263 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 11-10-09
(Data must be collected from the Reserve Pit)

Chloride content: 9900 ppm Fluid volume: 1050 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 S. 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: Jean Ludwig

Title: ADMIN ASST Date: 10/23/09

Subscribed and sworn to before me this 23RD day of OCTOBER

2009.

Notary Public: Stacy L. Schneider

Date Commission Expires: 04-15-12

KCC Office Use ONLY

☒ Letter of Confidentiality Received

If Denied, Yes ☐ Date:

☒ Wireline Log Received

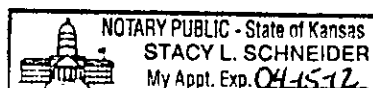
☒ Geologist Report Received

☐ UIC Distribution

RECEIVED

OCT 26 2009

KCC WICHITA



Side Two

Operator Name: LARSON ENGINEERING, INC. Lease Name: FAGER Well #: 1-30Sec. 30 Twp. 18 S. R. 29 ☐ East ☒ West County: LANE

INSTRUCTIONS: Show important tops and base of formations 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 ☒ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E. Logs Run: DUAL INDUCTION
DUAL COMP POROSITY
MICRORESISTIVITY

CONFIDENTIAL

OCT 28 2009

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
BASE ANHYDRITE	2232	+612
HEEBNER	3945	-1101
LANSING	3988	-1144
STARK	4280	-1436
FORT SCOTT	4514	-1670
CHEROKEE SH	4537	-1693
MISSISSIPPI	4602	-1758

KCC CASING RECORD ☐ New ☒ 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"	20#	263'	CLASS A	180	2% GEL, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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:	KCC WICHITA	
Date of First, Resumed Production, SWD or Enhr.		Producing Method:					
Estimated Production Per 24 Hours		Oil	Bbls.	Gas	Mcf	Water	Bbls.

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease If vented, submit ACO-18.)	☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☒ Other (Specify) D & A	_____ _____

ALLIED CEMENTING CO., LLC.

30625

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

SERVICE POINT:

LIBERAL KS

DATE <u>7-11-09</u>	SEC. <u>30</u>	TWP. <u>18</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30</u>	JOB FINISH <u>11:00</u>
LEASE <u>FAGER</u>	WELL # <u>1-30</u>	LOCATION <u>Dighton KS 5W</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>1 1/4 3 West into</u>					

CONTRACTOR HD Only #2

TYPE OF JOB PTA

HOLE SIZE 8 1/4 T.D. 4650

CASING SIZE 8 1/4 DEPTH 250

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2260

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT Ø

CEMENT LEFT IN CSG. Ø

PERFS. CONFIDENTIAL

DISPLACEMENT 28.3 BBL OCT 28 2009

EQUIPMENT

PUMP TRUCK CEMENTER BOB

366 HELPER CESAR

BULK TRUCK

457/239 DRIVER TONY

BULK TRUCK DRIVER

RECEIVED
OCT 26 2009
KCC WICHITA

REMARKS:

SAFETY MEETING

BARREL CIRC

Mix 50 SK Plug @ 2260'

Mix 80 SK Plug @ 1450'

Mix 40 SK Plug @ 700'

Mix 50 SK Plug @ 300'

Mix @ 20 SK @ 9-60'

Mix 30 SK IN LAT hole

CHARGE TO: HD DRLg

STREET 2152 Hwy. 96

CITY Rush Center STATE KS ZIP 67575

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Carlos Montinez

SIGNATURE [Signature]

OWNER SAMR

CEMENT

AMOUNT ORDERED 270 60/40

4 1/2 GEL 1/4 FLO SEAL

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>LITE 270SK</u>	@	<u>1408</u>	<u>380160</u>
<u>FLOSEAL 67#</u>	@	<u>250</u>	<u>16750</u>
HANDLING <u>272</u>	@	<u>240</u>	<u>65280</u>
MILEAGE <u>105K mi</u>	@		<u>176800</u>
TOTAL			<u>638990</u>

SERVICE

DEPTH OF JOB		<u>2260</u>
PUMP TRUCK CHARGE		<u>101700</u>
EXTRA FOOTAGE	@	
MILEAGE <u>65 mi</u>	@	<u>700 45500</u>
MANIFOLD	@	
<u>DRY Hole Plug</u>	@	<u>4000</u>
TOTAL		<u>151200</u>

PLUG & FLOAT EQUIPMENT

<u>N/A</u>	@	
	@	
	@	
	@	
	@	

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 34995A

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

SERVICE POINT:

~~NESS CITY~~ NESS CITY, KS

DATE <u>6-29-09</u>	SEC. <u>30</u>	TWP. <u>18</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30pm</u>	JOB FINISH <u>11:00pm</u>
LEASE <u>Fager</u>	WELL # <u>1-30</u>		LOCATION <u>Dighton KS 5 West to Gage</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			Rd <u>1 South West into</u>				

CONTRACTOR HD Drilling #2

OWNER

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 266'

CASING SIZE 8 5/8 20" DEPTH 266'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15' **CONFIDENTIAL**

PERFS.

DISPLACEMENT 16.36 Bbl OCT 23 2009

EQUIPMENT KCC

PUMP TRUCK CEMENTER John Roberts
181 HELPER ~~John~~ Randy

BULK TRUCK
456/198 DRIVER Randy Wayne

BULK TRUCK
DRIVER

REMARKS:

Est Circulation
Mix 180 sk Cement
Displace w/ 16.36 Bbl H2O
Cement Did Circulate 1

CHARGE TO: Larson Engineering

STREET

CITY STATE ZIP

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts

SIGNATURE Doug Roberts

CEMENT

AMOUNT ORDERED 180 com 3 1/2 cc 2 1/2 Gel

COMMON 180 @ 13.50 2430.00

POZMIX @

GEL 7 @ 20.25 81.00

CHLORIDE 6 @ 51.50 309.00

ASC @

RECEIVED @

OCT 26 2009 @

KCC WICHITA @

HANDLING 190 @ 2.25 427.50

MILEAGE 39/190 1.10 741.00

TOTAL 3,988.50

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 991.00

EXTRA FOOTAGE @

MILEAGE 39 @ 7.00 273.00

MANIFOLD @

@

@

TOTAL 1264.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES ~~1264.00~~

DISCOUNT IF PAID IN 30 DAYS