

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

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

3/8/12

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 # 5822

Name: VAL ENERGY, INC.

Wellsite Geologist: VERN SCHRAG

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. _____

11/2/2009 11/11/2009

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

API No. 15 - 101-22200-00-00

Spot Description: _____

SE - SE - NW - SE Sec. 4 Twp. 19 S. R. 30 East West

1601 feet from SOUTH Line of Section

1514 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: LANE

Lease Name: BRYANT Well #: 1-4

Field Name: WILDCAT

Producing Formation: _____

Elevation: Ground: 2884' Kelly Bushing: 2889'

Total Depth: 4703' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 258' 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 PANS 3510
(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 480 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, 82-3-108 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: Carel Van

Title: SECRETARY/TREASURER Date: 3/1/10

Subscribed and sworn to before me this 1ST day of MARCH

2010.
Notary Public: Debra J. Ludwig

Date Commission Expires: MAY 5, 2012

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 02 2010

DEBRA J. LUDWIG
Notary Public - State of Kansas
My Acpt. Expires 5/5/2012

Operator Name: LARSON ENGINEERING, INC. Lease Name: BRYANT Well #: 1-4

Sec. 4 Twp. 19 S. R. 30 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 <i>(Attach Additional Sheets)</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples 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 <i>(Submit Copy)</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: DUAL INDUCTION DUAL COMP POROSITY MICRORESISTIVITY	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>ANHYDRITE</td> <td>2164</td> <td>+725</td> </tr> <tr> <td>BASE ANHYDRITE</td> <td>2223</td> <td>+666</td> </tr> <tr> <td>HEEBNER SH</td> <td>3913</td> <td>-1024</td> </tr> <tr> <td>LANSING</td> <td>3960</td> <td>-1071</td> </tr> <tr> <td>STARK SH</td> <td>4246</td> <td>-1357</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>4320</td> <td>-1431</td> </tr> <tr> <td>MARMATON</td> <td>4372</td> <td>-1483</td> </tr> <tr> <td>PAWNEE</td> <td>4446</td> <td>-1557</td> </tr> <tr> <td>FORT SCOTT</td> <td>4491</td> <td>-1602</td> </tr> <tr> <td>CHEROKEE</td> <td>4515</td> <td>-1626</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4586</td> <td>-1697</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	2164	+725	BASE ANHYDRITE	2223	+666	HEEBNER SH	3913	-1024	LANSING	3960	-1071	STARK SH	4246	-1357	BASE KANSAS CITY	4320	-1431	MARMATON	4372	-1483	PAWNEE	4446	-1557	FORT SCOTT	4491	-1602	CHEROKEE	4515	-1626	MISSISSIPPI	4586	-1697
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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"	20#	258'	CLASS A	175	2% GEL, 3% CC

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

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: Yes No

Date of First, Resumed Production, SWD or Enhr. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 checked="" type="checkbox"/> Other (Specify) P & A	RECEIVED PRODUCTION INTERVENTION COMMISSION MAR 02 2010
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ALLIED CEMENTING CO., LLC. 044263

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

SERVICE POINT:

ORRLEV

DATE <u>11-11-09</u>	SEC. <u>4</u>	TWP. <u>19S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>7:30 PM</u>	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>BRYANT</u>	WELL # <u>1-4</u>	LOCATION <u>AMY 1/2W-45-1 1/4W-N into</u>			COUNTY <u>LANE</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR VAL ORL9 REC # 4

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D. 4700'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" DEPTH 2190'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER SAME

CEMENT AMOUNT ORDERED 290 SKS 60/45 NOZAR GEL 1/2" PB-SEAL

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

422 HELPER WAYNE

BULK TRUCK DRIVER DARRIN

347

BULK TRUCK DRIVER _____

COMMON	<u>174 SKS</u>	@	<u>1350</u>	<u>2349.00</u>
POZMIX	<u>116 SKS</u>	@	<u>7.50</u>	<u>875.80</u>
GEL	<u>10 SKS</u>	@	<u>20.25</u>	<u>202.50</u>
CHLORIDE	_____	@	_____	_____
ASC	_____	@	_____	_____
	<u>Flo-Seal 73#</u>	@	<u>2.45</u>	<u>178.85</u>
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
HANDLING	<u>300 SKS</u>	@	<u>2.25</u>	<u>675.00</u>
MILEAGE	<u>104 PER SK</u>	MILE	_____	<u>1200.00</u>
TOTAL				<u>5481.15</u>

REMARKS:

- 50 SKS AT 2190'
- 80 SKS AT 1500'
- 50 SKS AT 990'
- 40 SKS AT 270'
- 20 SKS AT 60'
- 30 SKS RAT HOLE
- 20 SKS MOUSE HOLE

THANK YOU

CHARGE TO: LARSON ENGINEERING

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2190'</u>		
PUMP TRUCK CHARGE	_____		<u>990.00</u>
EXTRA FOOTAGE	_____	@	_____
MILEAGE	<u>40 MI</u>	@	<u>7.00</u> <u>280.00</u>
MANIFOLD	_____	@	_____
	_____	@	_____
	_____	@	_____
TOTAL <u>1270.00</u>			

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

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 Randy D Martin

SIGNATURE Randy D Martin

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
KANSAS CORPORATION COMMISSION

CONSULTATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., LLC. 044335

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

SERVICE POINT:
Daddy, KS

DATE <u>11/2/09</u>	SEC <u>4</u>	TWP. <u>19</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>6:00pm</u>	JOB START <u>7:30am</u>	JOB FINISH <u>1:00am</u>
LEASE <u>Bygones</u>	WELL # <u>1-4</u>	LOCATION <u>Army 1/2w 4S 1 1/4 W into come</u>			COUNTY	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Val 4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 263 48
 CASING SIZE 8 1/8 DEPTH 258
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 15.5

OWNER Same
 CEMENT
 AMOUNT ORDERED 175 SKs Com 3070CC
2070gal

COMMON	<u>175 SKs</u>	@	<u>1365</u>	<u>2398 25</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>2040</u>	<u>61 20</u>
CHLORIDE	<u>6</u>	@	<u>575</u>	<u>342 90</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184</u>	@	<u>210</u>	<u>386 40</u>
MILEAGE	<u>104 SK/mile</u>			<u>736 00</u>
TOTAL				<u>3915 25</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 422 HELPER Wayne
 BULK TRUCK
 # 347 DRIVER Terry
 BULK TRUCK
 # DRIVER

REMARKS:

Cement did Circulate

Thank you Alan, Wayne, Terry

CHARGE TO Hanson Engineering
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>258'</u>		
PUMP TRUCK CHARGE			<u>999 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>40</u>	@	<u>280 00</u>
MANIFOLD		@	
		@	
TOTAL <u>1279 00</u>			

PLUG & FLOAT EQUIPMENT

<u>8 7/8 wooden Plug</u>	@	<u>67 00</u>
	@	
	@	
	@	
	@	
TOTAL <u>67 00</u>		

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PRINTED NAME Randy D. Martin
 SIGNATURE Randy D. Martin

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAR 02 2010
 COMMERCE DIVISION
 WICHITA, KS