

**CONFIDENTIAL**

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

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: Sem-Crude  
Operator Contact Person: John Niernberger  
Phone: (316) 691-9500  
Contractor: Name: Val Energy, Inc.  
License: 5822  
Wellsite Geologist: Mike Engelbrecht

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. \_\_\_\_\_

6/6/06	6/24/06	6/24/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20573-0000  
County: Ford  
SW NW NE NW Sec. 20 Twp. 27S S. R. 23  East  West  
482 feet from S / N (circle one) Line of Section  
1610 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Carson 20B Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: PAWNEE  
Elevation: Ground: 2431' Kelly Bushing: 2441'  
Total Depth: 5900' Plug Back Total Depth: 5091'  
Amount of Surface Pipe Set and Cemented at 426' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1468' Feet  
If Alternate II completion, cement circulated from 1468'  
feet depth to surface w/ 205 sx cmt.

**Drilling Fluid Management Plan** 11-8-06 WFM A1# II  
(Data must be collected from the Reserve Pit)  
Chloride content 4800 ppm Fluid volume 1800 bbls  
Dewatering method used evaporation  
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 form 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 of 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: [Signature]  
Title: Production Manager Date: 8/3/06  
Subscribed and sworn to before me this 3<sup>rd</sup> day of October  
20 06  
Notary Public: [Signature]  
Date Commission Expires: 5/4/07

**DEBRA K. PHILLIPS**  
Notary Public - State of Kansas  
My Appt. Expires 5/4/07

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
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Operator Name: Ritchie Exploration, Inc. Lease Name: Carson 20B Well #: 1  
 Sec. 20 Twp. 27S S. R. 23  East  West County: Ford

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 geological 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)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

SEE ATTACHED

List All E. Logs Run:

Dual Induction Log  
 Dual Compensated Porosity Log  
 Microresistivity Log

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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
Conductor	32	20	64	80	TEN-SX Grout	15 yards	
Surface	12-1/4	8-5/8	23	426	common	325	3%cc, 2% gel
Production	7-7/8	5-1/2	15.5	5115	AA-2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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
4	4752' - 4760' (8/25/06)	1000 gals 15% NE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8	5046		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
9/26/06			<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	100		1		38

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval:  Other (Specify)

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**#1 Carson 20B**  
482' FNL & 1610' FWL  
152'S & 40'W of NW NE NW Section 20-27S-23W  
Ford County, Kansas  
API# 15-057-20573-0000  
Elevation: 2431' GL, 2441' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	1501'	+940	-91
B/Anhydrite	1537'	+904	-90
Chase/Herr. Krider	2568'	-127	+2
Fort Riley	2750'	-309	+8
Cottonwood	3098'	-657	+9
Stotler	3443'	-1002	+22
Heebner	4100'	-1659	+22
Lansing	4217'	-1776	+41
Stark	4549'	-2108	+26
BKC	4622'	-2181	+26
Pawnee	4750'	-2309	+44
Cherokee Shale	4792'	-2351	+46
Mississippian	4911'	-2470	+43
Viola	5471'	-3030	+65
Arbuckle	5600'	-3159	+258
Granite Wash	5834'	-3393	NA
RTD	5900'	-3459	



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TREATMENT REPORT

Customer <i>Richie Exploration</i>		Lease No.		Date	
Lease <i>Carson</i>		Well # <i>20 B-1</i>		<i>6-25-06</i>	
Field Order # <i>13560</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth	County <i>Ford</i>	State <i>Ks.</i>
Type Job <i>5 1/2 L.S. New Well</i>			Formation	Legal Description <i>20-27s-23w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft	<i>Cont.-</i>	Acid <i>175sks. AA2</i>	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad <i>1.45ft<sup>3</sup></i>	Max		5 Min.	
Volume <i>122</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>5100</i>	Packer Depth	From	To	Flush <i>122 Bbl.</i>	Gas Volume		Total Load	

Customer Representative <i>Gary Rowe</i>		Station Manager <i>Dave Scott</i>		Treater <i>Bobby Drake</i>	
Service Units <i>123</i>	<i>309</i>	<i>402</i>	<i>390</i>	<i>501</i>	
Driver Names <i>Drake</i>	<i>Anthony</i>	<i>McBraw</i>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:40</i>					<i>On location - Safety Meeting</i>
<i>5:00</i>					<i>Run Csg. - 130jts. 5 1/2 x 15.5" Cont. - 1, 3, 7, 8, 11, 92, 94, 104 - Bskt. - 93, 103 - Per + Collar @ 1462</i>
<i>7:45</i>					<i>Csg. on Bottom</i>
<i>8:20</i>					<i>Circ. + Set Packer Shoe</i>
<i>9:45</i>	<i>250</i>		<i>24</i>	<i>7.0</i>	<i>Super Flush II</i>
<i>9:49</i>	<i>200</i>		<i>5</i>	<i>7.0</i>	<i>H2O Spacer</i>
<i>9:53</i>	<i>200</i>		<i>48</i>	<i>6.0</i>	<i>Mix Cement @ 15.0#/gal</i>
<i>10:05</i>					<i>Release Plug / Clear Pump + Lines</i>
<i>10:10</i>	<i>100</i>			<i>8.0</i>	<i>start Disp.</i>
<i>10:24</i>	<i>300</i>		<i>95</i>	<i>8.0</i>	<i>Lift Pressure</i>
<i>10:30</i>	<i>1500</i>		<i>122</i>		<i>Plug Down</i>
<i>10:40</i>					<i>Plug Rat + Mouse Hole</i>
					<i>Circulation Thru Job</i>
					<i>Job Complete</i>
					<i>Thanks, Bobby</i>

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KCC WICHITA

# ALLIED CEMENTING CO., INC. 23601

Federal Tax I.D.#

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

SERVICE POINT:  
Wess City

DATE <u>10-7-06</u>	SEC. <u>20</u>	TWP. <u>27</u>	RANGE <u>23</u>	CALLED OUT <u>6:00pm</u>	ON LOCATION <u>12:00am</u>	JOB START <u>3:00am</u>	JOB FINISH <u>3:45am</u>
LEASE <u>Carson</u>	WELL# <u>1</u>	LOCATION <u>Wright 5/25 2E</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Val Energy #1 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 431

CASING SIZE 8 5/8 DEPTH 429

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

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

FOOT Cond. 20" DEPTH 80'

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

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

CEMENT LEFT IN CSG. 15

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

DISPLACEMENT 26 3/4

EQUIPMENT

PUMP TRUCK CEMENTER Mike

# 224 HELPER Dukhshana

BULK TRUCK

# 357 DRIVER Brandon

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
New 23#  
cure 8 5/8 csg with pump  
Mix Cement plug w/ 26 3/4 RA  
Cement did Cure

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 Rick Smith

CEMENT AMOUNT ORDERED 325 Com 3%cc 2%Hel

COMMON	<u>325</u>	@	<u>10.65</u>	<u>3461.25</u>
POZMIX		@		
GEL	<u>7</u>	@	<u>16.65</u>	<u>116.55</u>
CHLORIDE	<u>10</u>	@	<u>46.60</u>	<u>466.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>342</u>	@	<u>1.90</u>	<u>649.80</u>
MILEAGE	<u>54</u>	@	<u>342.8</u>	<u>1479.44</u>
				<u>TOTAL 6171.04</u>

SERVICE

DEPTH OF JOB 429

PUMP TRUCK CHARGE 815.00

EXTRA FOOTAGE 129 @ .65 83.85

MILEAGE 54 @ 5.00 270.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 1168.85

PLUG & FLOAT EQUIPMENT

2-Cup Utens @ 60.00 60.00

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 60.00

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Rick Smith PRINTED NAME

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# ALLIED CEMENTING CO., INC.

22775

Federal Tax I.D.#

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

SERVICE POINT:  
med lodgers

DATE <u>10-29-06</u>	SEC. <u>20</u>	TWP. <u>27</u>	RANGE <u>23</u>	CALLED OUT <u>7:00A.m.</u>	ON LOCATION <u>12:00P.m.</u>	JOB START <u>1:00P.m.</u>	JOB FINISH <u>4:30P.m.</u>
LEASE <u>Carson</u>	WELL # <u>20B</u>	LOCATION <u>Wright 5/2S-2E</u>			COUNTY <u>Ford</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Plains  
 TYPE OF JOB Port Collar  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5/2 DEPTH \_\_\_\_\_  
 TUBING SIZE 2 7/8 DEPTH 1468'  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1250 MINIMUM 100  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 7 1/2 Bbls Freshwater  
 EQUIPMENT \_\_\_\_\_

OWNER Ritchie Exploration  
 CEMENT  
 AMOUNT ORDERED 475sx 65:35:6  
+ 1/4# Flo-Seal (used 205sx)  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
ALW 205 @ 9.95 2039.75  
Flo Seal 51 # @ 2.00 102.00  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 502 @ 1.90 953.80  
 MILEAGE 54 X 502 X .08 2168.64  
 TOTAL 5264.19

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PUMP TRUCK CEMENTER Larry Dreiling  
 # 343 pump HELPER Steve Kramer  
 BULK TRUCK  
 # 421 DRIVER JR. Freemon  
 BULK TRUCK  
 # 265 pump DRIVER Dennis C.

REMARKS:  
Port Collar 1468' Pressure up Tool  
#343 Broke Down - wait on Pump Truck  
1:00P.m. @ 3:35 Start Pumps Pressure  
to 1250 # Pump 205sx 65:35:6  
+ 6% Gel + 1/4# Flo-Seal Cement Did  
Circ. Ran 4 Jts. Reverse out.  
Rig Down.  
Thanks!

SERVICE  
 DEPTH OF JOB 1468'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 955.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 54 @ 5.00 270.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 1225.00

CHARGE TO: Ritchie Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 ANY APPLICABLE TAX  
 WILL BE CHARGED  
 UPON INVOICING 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 x Guy Rowe

TAX \_\_\_\_\_  
 TOTAL CHARGE [scribble]  
 DISCOUNT [scribble] IF PAID IN 30 DAYS

x \_\_\_\_\_  
 PRINTED NAME [scribble]

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10/03/08

October 3, 2006

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State Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

RE: #1 Carson 20B  
Sec. 20-27S-23W  
Ford County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or John Niernberger at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips  
Accounting Supervisor

dkp

Enclosures

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