

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

**CONFIDENTIAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P. O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: NCRA  
Operator Contact Person: John Niemberger  
Phone: (316) 691-9500  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: Jeff Christian

**KCC**

**JAN 05 2005**

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**JAN 06 2005**

**KCC WICHITA**

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. \_\_\_\_\_

09-07-04	09-14-04	10-09-04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-24802-00-00

County: Barton

C E/2 SE Sec. 18 Twp. 20 S. R. 11  East  West

1320' feet from S N (circle one) Line of Section

660' feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Kowalsky BP Well #: 8

Field Name: Chase-Silica

Producing Formation: Arbuckle

Elevation: Ground: 1776' Kelly Bushing: 1784'

Total Depth: 3282' Plug Back Total Depth: 3282'

Amount of Surface Pipe Set and Cemented at 267 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

ALT I WITHIN 3-5-07

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content 36,000 ppm Fluid volume 800 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: \_\_\_\_\_

Title: Production Manager Date: 01-05-05

Subscribed and sworn to before me this 5<sup>th</sup> day of January

20 05  
Notary Public: Debra K. Phillips  
My Appt. Expires 5/4/07

Date Commission Expires: 5/4/07

**KCC Office Use ONLY**

- Letter of Confidentiality Received
- If Denied, Yes  Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

**CONFIDENTIAL**

Operator Name: Ritchie Exploration, Inc. Lease Name: Kowalsky BP Well #: 8  
 Sec. 18 Twp. 20 S. R. 11  East  West County: Barton

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Radiation Guard</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  (See Attached) <div style="text-align: center; font-weight: bold; font-size: 1.2em;">                     KCC                      JAN 05 2005                      CONFIDENTIAL                 </div>
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CASING RECORD <input type="checkbox"/> New <input 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	12.25"	8.625"	28#	267'	Common	225	3% CC, 2% Gel
Production	7.875"	5.50"	15.5#	3278.5'	60/40 Pozmix	100	10% Salt, 2% Gel

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
	Note: 3278.5' - 3282' (Arbuckle open-hole)	none	
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TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2.875"	3263'	N/A		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
10101-04 10-10-04			<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	
	22.44		181.56			

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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(ACO-1 attachment)

**#8 Kowalsky B/P**

1320' FSL & 660' FEL Section 18-20S-11W Barton County, Kansas

API# 15-009-24802-00-00 Elevation: 1780' GL, 1788' KB

Sample Tops		Log Tops	
Anhydrite	524' (+1264')	Anhydrite	523' (+1265')
B/Anhydrite	542' (+1246')	B/Anhydrite	542' (+1246')
Chase Herrington	1472' (+316')	Chase Herrington	1473' (+315')
Winfield	1519' (+269')	Winfield	1522' (+266')
Heebner	2913' (-1125')	Heebner	2915' (-1127')
Brown Lime	3039' (-1251')	Brown Lime	3040' (-1252')
Lansing	3055' (-1267')	Lansing	3057' (-1269')
Muncie Shale	3176' (-1388')	Muncie Shale	3174' (-1386')
Arbuckle	3274' (-1486')	Arbuckle	3277' (-1489')
RTD	3280' (-1492')	LTD	3282' (-1494')

**DST #1** 1474' -1530' (Chase Herrington/Winfield) Recovered 120' watery mud (28% water. 72% mud).

IFP: 48-66#/30" ISIP: 136#/30"  
 FFP: 65-73#/30" FSIP: 138#/45"

**DST #2** 3041' -3103' (Lansing "A" - "D") Recovered 2280' gas in pipe, 360' gassy watery mud with oil spots.

IFP: 27-80#/30" ISIP: 688#/45"  
 FFP: 94-155#/45" FSIP: 677#/60"

**DST #3** 3104' - 3133' (Lansing "E" & "F") Recovered 980' gas in pipe, 40' of mud with oil spots.

IFP: 16-20#/30" ISIP: 276#/45"  
 FFP: 22-27#/45" FSIP: 285#/60"

**DST #4** 3174' - 3267' (Lansing "H" - "K") Recovered 50' of gassy mud.

IFP: 15-26#/30" ISIP: 528#/45"  
 FFP: 28-36#/45" FSIP: 553#/60"

**DST #5** 3265' - 3280' (Arbuckle) Gas to Surface in 20" TSTM. Recovered 2340' of gassy oil (30% gas, 70% oil).

IFP: 300-819#/30" ISIP: 866#/45"  
 FFP: 824-866#/45" FSIP: 867#/60"

# ALLIED CEMENTING CO., INC. 17664

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

~~At Base~~ New City

DATE <u>9-15-04</u>	SEC. <u>18</u>	TWP. <u>20</u>	RANGE <u>11</u>	CALLED OUT <u>1:00 PM</u>	ON LOCATION <u>2:00 PM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:45 PM</u>
LEASE <u>Keweenaw</u>	WELL # <u>P-8</u>	LOCATION <u>Larry Welding 1E, 1/4S, W1/4</u>			COUNTY <u>Barton</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Duba #8  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8" T.D. 3280'  
 CASING SIZE 5 1/2" DEPTH 3278 1/2'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 800# MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 21'  
 CEMENT LEFT IN CSG. 21'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 77 3/4 bbls

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 125 cu yd 6 1/4, 270 gal, 10% salt,  
500 gal ASF,

COMMON <u>TSaf</u>	@	<u>7.85</u>	<u>988.75</u>
POZMIX <u>SOAf</u>	@	<u>4.10</u>	<u>205.00</u>
GEL <u>2.24</u>	@	<u>11.00</u>	<u>22.00</u>
CHLORIDE _____	@	_____	_____
ASC _____	@	_____	_____
<u>Deformen 20#</u>	@	<u>5.25</u>	<u>105.00</u>
<u>ACD-31 80#</u>	@	<u>5.50</u>	<u>440.00</u>
<u>ASFUSH 500 GAL</u>	@	<u>1.00</u>	<u>500.00</u>
<u>Salt 12.5x</u>	@	<u>7.50</u>	<u>90.00</u>
HANDLING <u>1.38 per cu yd</u>	@	<u>1.35</u>	<u>106.30</u>
MILEAGE <u>138 1/4 mi</u>	@	<u>10.00</u>	<u>1380.00</u>
TOTAL			<u>2287.05</u>

EQUIPMENT  
 PUMP TRUCK CEMENTER Tim D  
 # 224 HELPER Jim W  
 BULK TRUCK  
 # 342 DRIVER Don Dugan  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Run 3278 1/2' of 5 1/2" casing. Run the circulation. Pumped 500 gal ASF followed by 100 cu yd 6 1/4 270 gal 10% salt 100% cement Deformen. Washed up. Released plug. Displaced with fresh H<sub>2</sub>O. Landed plug bet 800#. Released & float. Held 11. Plugged backhole 1 1/2 cu yd. Mainhole 1 1/4 cu yd.

SERVICE

DEPTH OF JOB <u>3278 1/2'</u>		
PUMP TRUCK CHARGE		<u>1180.00</u>
EXTRA FOOTAGE	@	_____
MILEAGE <u>10</u>	@	<u>4.00</u> <u>40.00</u>
TOTAL <u>1220.00</u>		

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

PLUG & FLOAT EQUIPMENT

<u>MANIFOLD 1-5/8" hole opening</u>	@	<u>600</u>	<u>600.00</u>
<u>1-5/8" Guide shoe</u>	@	<u>150.00</u>	<u>150.00</u>
<u>1-5/8" AFH Invert</u>	@	<u>235.00</u>	<u>235.00</u>
<u>4-5/8" Tri-lobed Centralizers</u>	@	<u>600</u>	<u>2400.00</u>
<u>1-5/8" Stop ring</u>	@	<u>20.00</u>	<u>20.00</u>
TOTAL			<u>705.00</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.

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Bonnie Dils

BONNIE DILS  
 PRINTED NAME

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 JAN 05 2005  
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# ALLIED CEMENTING CO., INC. 17658

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:  
1st Bend

DATE <u>9-7-04</u>	SEC. <u>18</u>	TWP. <u>20</u>	RANGE <u>11</u>	CALLED OUT <u>5:00 PM</u>	ON LOCATION <u>7:30 PM</u>	JOB START <u>9:00 PM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>Kowalby</u>	WELL # <u>P # 8</u>	LOCATION <u>Lamp Welding 1E, 1/2S, W/5</u>			COUNTY <u>Barton</u>	STATE <u>Ka</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Dupe #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 262'

CASING SIZE 8 5/8" DEPTH 262'

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

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

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

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

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

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 15 3/4 bbls

EQUIPMENT \_\_\_\_\_

OWNER Same

CEMENT

AMOUNT ORDERED 225 lbs Common

37cc 290 ml

COMMON	<u>225</u>	@	<u>7.85</u>	<u>1766.25</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>11.00</u>	<u>55.00</u>
CHLORIDE	<u>7</u>	@	<u>33.00</u>	<u>231.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>237</u>	@	<u>1.35</u>	<u>319.95</u>
MILEAGE	<u>10.5</u>	<u>237</u>	<u>min</u>	<u>150.00</u>
TOTAL				<u>2522.20</u>

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REMARKS:

Run 262' @ 8 5/8" Bore Circulation.  
Mixed 225 lbs Common, 37cc, 29 ml.  
Released Plug. Replaced with fresh  
H<sub>2</sub>O.

Cement did circulate

CHARGE TO: Richie Exploration, Inc.

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB 262'

PUMP TRUCK CHARGE \_\_\_\_\_ 570.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 10 @ 4.00 40.00

TOTAL 610.00

PLUG & FLOAT EQUIPMENT

MANIFOLD	@		
<u>1- 8 5/8 Woodem</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.

TAX \_\_\_\_\_

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

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

SIGNATURE X Steve H. Stephens

X Steve H. Stephens  
PRINTED NAME