

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: Mike Engelbrecht

Designate Type of Completion: KCC

- 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. \_\_\_\_\_

9/25/08	10/07/08	10/08/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20620-0000

County: Ford

approx. S/2 NW NW Sec. 17 Twp. 28S S. R. 23  East  West

906 4580 feet from S N (circle one) Line of Section

753 4692 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE  SE  NW  SW

Lease Name: Sank Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: Pawnee

Elevation: Ground: 2530 Kelly Bushing: 2542

Total Depth: 5251 Plug Back Total Depth: 5210

Amount of Surface Pipe Set and Cemented at 272 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1480 Feet

If Alternate II completion, cement circulated from 1480

feet depth to surface w/ 400 sx cmt.

Drilling Fluid Management Plan AFFINS 3309  
(Data must be collected from the Reserve Pit)

Chloride content 38000 ppm Fluid volume 1200 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: 1/8/09

Subscribed and sworn to before me this 8<sup>th</sup> day of January

2009

Notary Public: Debra K Phillips

Date Commission Expires: 5-4-11

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

DEBRA K. PHILLIPS  
Notary Public - State of Kansas  
My Appt. Expires 5-4-11

Operator Name: Rachie Exploration, Inc. Lease Name: Sanko Well #: 1  
 Sec. 17 Twp. 28S 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

RL  
KANSAS CORP

JAN 9 2009

CONSERVATION DIVISION  
WICHITA KS

CASING RECORD <input checked="" 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	12-1/4	8-5/8	28	272	Class A	250	2% cc, 3% gel
Production	7-7/8	4-1/2	10.5	5233	ASC	225	10% salt, 2% gel & 5# per sack flo-ozal

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	4972' - 4978' (10/21/08)	1000 gals 15% NE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8	5176		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
11/19/08		<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
	30.06		21.44		37

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Submit ACO-18.)  Other (Specify) \_\_\_\_\_

2009-01-09  
 1000



**#1 Sanko**

906' FNL & 753' FWL

84'N & 93'E of C S/2 NW NW Section 17-28S-23W

Ford County, Kansas

API# 15-057-20620-0000

Elevation: 2530' GL: 2542' KB

Sample Tops		Ref.	Well
Anhydrite	1542'	+1000	-13
Chase Herrington	2730'	-188	+18
Stotler	3637'	-1095	+41
Heebner Shale	4298'	-1756	+44
Lansing	4438'	-1896	+49
Stark Shale	4758'	-2216	+44
Altamont	4902'	-2360	+44
Pawnee	4974'	-2432	+44
Cherokee Shale	5022'	-2480	+46
Atoka Shale	5130'	-2588	+54
Morrow Sand	5135'	-2593	+61
Mississippian	5151'	-2609	+59
RTD	5251'	-2709	

RECEIVED  
KANSAS CORPORATION COMMISSIO

JAN 09 2009

CONSERVATION DIVISION  
WICHITA, KS



January 8, 2009

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

RE: #1 Sanko  
Sec. 17-28S-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

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 09 2009

CONSERVATION DIVISION  
WICHITA, KS

RECEIVED  
JAN 08 2009  
KCC

# ALLIED CEMENTING CO., LLC. 34042

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

SERVICE POINT:  
Medicine Lodge, KS

DATE <u>08 Oct 08</u>	SEC. <u>17</u>	TWP. <u>28s</u>	RANGE <u>23w</u>	CALLED OUT <u>1:30 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:20 PM</u>
LEASE <u>Santo</u>	WELL # <u>1</u>	LOCATION <u>Ford, KS, SW, 2 1/2 W, 5/16 N</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Duke #1 OWNER Ritchie Explo.

TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8 T.D. 5251  
 CASING SIZE 4 1/2 DEPTH 5248  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Port Collar DEPTH 1492  
 PRES. MAX 1400 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 24  
 CEMENT LEFT IN CSG. 24

CEMENT AMOUNT ORDERED 250 sx ASC + 5# Kalseal + .5% FL-160 and 500 Gals ASF

PERFS. \_\_\_\_\_  
 DISPLACEMENT 83 Bbls Fresh H<sub>2</sub>O

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	<u>250</u>	<u>18.60</u> <u>4650.00</u>
Kal Seal	@	<u>1250</u>	<u>.89</u> <u>1112.50</u>
FL-160	@	<u>118</u>	<u>13.30</u> <u>1569.40</u>
500 gals. ASF	@	<u>1.27</u>	<u>635.00</u>
HANDLING	@	<u>320</u>	<u>2.40</u> <u>768.00</u>
MILEAGE	@	<u>80 x 320 x .10</u>	<u>2560.00</u>
TOTAL			<u>11294.90</u>

EQUIPMENT  
 PUMP TRUCK CEMENTER D. Felio  
 #352 HELPER M. Becker  
 BULK TRUCK  
 #368 DRIVER D. Hunter Jr.  
 BULK TRUCK  
 # DRIVER \_\_\_\_\_

REMARKS:  
Pipe on Btm, Brent Lines, Pump Preflush, Plug Rathole & mousehole w/ 25sx Cement, Mix 200sx ASC Cement, Stop Pump, Wash Pump & Lines, Release Plug, Start Disp w/ Fresh H<sub>2</sub>O, See Increase in PSI, Slow Rate Pump Plug at 83 Bbls total Disp., Release PSI, Float Did Hold

SERVICE

DEPTH OF JOB	<u>5248</u>	_____	
PUMP TRUCK CHARGE	_____	<u>2295.00</u>	
EXTRA FOOTAGE	@	_____	
MILEAGE	@	<u>80</u> <u>7.00</u> <u>560.00</u>	
MANIFOLD	@	<u>lead rental</u> <u>113.00</u> <u>113.00</u>	
TOTAL			<u>2968.00</u>

CHARGE TO: Ritchie Explo.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u> 1- Guide Shoe	@	<u>169.00</u>	<u>169.00</u>
1- AFU insert	@	<u>254.00</u>	<u>254.00</u>
1- Port Collar	@	<u>1800.00</u>	<u>1800.00</u>
7- Turbo Lizers	@	<u>68.00</u>	<u>476.00</u>
3- Baskets	@	<u>169.00</u>	<u>507.00</u>
1- TRP	@	<u>62.00</u>	<u>62.00</u>
TOTAL			<u>3268.00</u>

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 09 2009

CONSERVATION DIVISION  
WICHITA, KS

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 Gary Row  
 SIGNATURE Gary Row

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

ANY APPLICABLE TAX  
 WILL BE CHARGED  
 UPON INVOICING

CONSERVATION DIVISION  
 JAN 10 2009

# ALLIED CEMENTING CO., LLC. 32399

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

SERVICE POINT:  
Medicine Lodge  
9-26-08 9-26-08

DATE <u>09-25-08</u>	SEC. <u>17</u>	TWP. <u>28S</u>	RANGE <u>23W</u>	CALLED OUT <u>0930 PM</u>	ON LOCATION <u>1000 PM</u>	JOB START <u>12-30 AM</u>	JOB FINISH <u>0100 AM</u>
LEASE <u>Sq 160</u>	WELL# <u>1</u>	LOCATION <u>Ford Ks, 1/4 N, 5/8 W TO 16 00, 2 S</u>			COUNTY <u>Ford</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)			<u>3/4 W, S/INTO</u>				

CONTRACTOR Duke #1 OWNER Ritchie Exploration

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 273

CASING SIZE 8 5/8 28# DEPTH 273

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

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

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

PRES. MAX \_\_\_\_\_ MINIMUM 100 PSI

MEAS. LINE \_\_\_\_\_ SHOE JOINT 20

CEMENT LEFT IN CSG. 20' per customer Request

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

DISPLACEMENT 15 1/2 Bbls Fresh Water

CEMENT AMOUNT ORDERED 250 SX 47.39cc + 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Greg G.

# 400 HELPER Heath M.

BULK TRUCK DRIVER Newton D.

# 3103

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_

COMMON	<u>250 A</u>	@	<u>15.45</u>	<u>3862.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.80</u>	<u>104.00</u>
CHLORIDE	<u>9</u>	@	<u>58.20</u>	<u>523.80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>264</u>	@	<u>2.40</u>	<u>633.60</u>
MILEAGE	<u>80 x 264 x .10</u>			<u>2112.00</u>
TOTAL				<u>7235.90</u>

REMARKS:  
Pipe on Bottom, Break Circulation, Pump 250 SX At 39cc + 2% Gel, Stop Pump, Release Plug, Start Displ, See lift slow Rate, Displ. with 15 1/2 Bbls Freshwater, Shut in, Cement Circulated To surface

SERVICE

DEPTH OF JOB	<u>273'</u>		
PUMP TRUCK CHARGE			<u>1018.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>80</u>	@	<u>7.00</u> <u>560.00</u>
MANIFOLD		@	
	<u>Head Rental</u>	@	<u>113.00</u> <u>113.00</u>
TOTAL <u>1691.00</u>			

Thank You\*

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

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

8 5/8 PLUG & FLOAT EQUIPMENT

Top wooden Plug	<u>1</u>	@	<u>68.00</u>	<u>68.00</u>
		@		
		@		
		@		
TOTAL <u>68.00</u>				

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 Mike Godfrey

SIGNATURE Mike Godfrey

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

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

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 09 2009  
CONSERVATION DIVISION  
WICHITA, KS

CONFIDENTIAL

KCC

# ALLIED CEMENTING CO., LLC. 34048

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

SERVICE POINT:  
*Medicine Lodge, KS*

DATE <i>20 Oct 08</i>	SEC. <i>17</i>	TWP. <i>28s</i>	RANGE <i>23w</i>	CALLED OUT <i>8:00Am</i>	ON LOCATION <i>11:00Am</i>	JOB START <i>2:00Pm</i>	JOB FINISH <i>4:00Pm</i>
LEASE <i>Sank</i>	WELL # <i>1</i>	LOCATION <i>Ford, KS, 1/4m, 5w, 2s, 1/2w, Ford</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one)		<i>5/into</i>					

CONTRACTOR *H<sup>2</sup> Plains #17* OWNER *Ritchie Expl.*

TYPE OF JOB *Port Collar*  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE *4 1/2* DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL *Port Collar* DEPTH *1480*  
 PRES. MAX *1200* MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT *5 1/4 Bbls Fresh H<sub>2</sub>O*

EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK CEMENTER *D. Felio*  
 # *352* HELPER *M. Becken / D. West*  
 BULK TRUCK \_\_\_\_\_  
 # *356* DRIVER *D. Hunter*  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON *240 A @ 15.45 3708.00*  
 POZMIX *160 @ 8.00 1280.00*  
 GEL *21 @ 20.80 436.80*  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
*Flo Seal 100 @ 2.50 250.00*  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING *478 @ 2.40 1147.20*  
 MILEAGE *80 x 478 x .10 3824.00*  
 TOTAL *10646.00*

REMARKS:  
*Tubing at Port Collar, Press test to 1200  
 PSI, open tool, Take inj. Rate, m, x 400sx  
 60-40 1/4 # Flo Seal Cement, Disp. 5 1/4 Bbls  
 Fresh H<sub>2</sub>O, Stop pump, Shut tool, Press test,  
 Run in 5 Jcs, Reverse out w/ 14 Bbls  
 Fresh H<sub>2</sub>O*

DEPTH OF JOB *1480*  
 PUMP TRUCK CHARGE \_\_\_\_\_ *1185.00*  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE *80 @ 7.00 560.00*  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: *Ritchie Expl.* TOTAL *1745.00*

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 *GARY ROWE*  
 SIGNATURE *Gary Rowe*

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

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

ANY APPLICABLE TAX  
 WILL BE CHARGED  
 UPON INVOICING

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 WICHITA, KS

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 KCCC