

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FROM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 135-23,628 ~~02-03~~

County Ness

20'S of NE SW NE Sec. 33 Twp. 16S Rge. 22W X W

3610 Feet N/S (circle one) of Section Line

1650 Feet E/W (circle one) of Section Line

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Hinnergardt Well # 1

Field Name unnamed

Producing Formation Cherokee sand

Elevation: Ground 2398' KB 2403'

Total Depth 4446' PBTD n/a

Amount of Surface Pipe Set and Cemented at 213' Feet

Multiple Stage Cementing Collar Used? X Yes      No

If yes, show depth set 1697' Feet

If Alternate II completion, cement circulated from 1697'  
feet depth to surface w/ 240 ex cmt.

Drilling Fluid Management Plan 2-5-92  
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 397 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: n/a

Operator Name \_\_\_\_\_

Lease Name RELEASED

Quarter Sec. Twp. S Rng. E/W  
                             

County \_\_\_\_\_ Docket No. MAD 11 1994

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 6720

Purchaser: Texaco

Operator Contact Person: Bob Mathiesen

Phone ( 316 ) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Brian Allen

Designate Type of Completion  
X New Well      Re-Entry      Workover

X 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: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

     Deepening      Re-perf.      Conv. to Inj/SWD  
     Plug Back      PBTD  
     Commingled      Docket No. \_\_\_\_\_  
     Dual Completion      Docket No. \_\_\_\_\_  
     Other (SWD or Inj?)      Docket No. \_\_\_\_\_

12/27/91 1/03/92 1/30/92  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

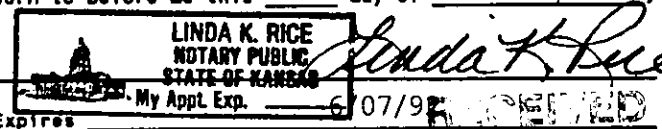
Signature [Signature]

Title President Date 2/03/92

Subscribed and sworn to before me this 3rd day of February 19 92.

Notary Public Linda K. Rice

Date Commission Expires 6/07/94



K.C.C. OFFICE USE ONLY

F ✓ Letter of Confidentiality Attached

C ✓ Wireline Log Received

C ✓ Geologist Report Received

✓ KCC      SVD/Rep      NGPA  
     KGS      Plug      Other  
(Specify)

KANSAS CORPORATION COMMISSION

FEB 4 1992  
02-04-1992  
CONSERVATION DIVISION  
WICHITA, KS

Sec. 33 Twp. 16S Rge. 22W

East  
 West

County Ness

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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 page.

List All E.Logs Run:

RA Guard

**CONFIDENTIAL**

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"	28#	213'	60/40 poz	150	2%gel, 3%CC
Production	7-7/8"	5 1/2"	14#	4447'	ASC	100	

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	
	3 deep penetrating	4331'-4334'		600 gal. of 7 1/2% MCA double FE frac w/14,900 gal. of MY-T-gel w/13,000# of 20-40 sand

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-1/2"	set @ 107'	off bottom		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.			Producing Method				
1/30/92			<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	80 Bbls.	Gas	Mcf	Water	65 Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: n/a  
 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

METHOD OF COMPLETION  
 Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_  
Production Interval 4331'-34'



ORIGINAL

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000  
Wichita, Kansas 67202-1775  
316-267-4375 FAX 316-267-3026

KCC

FEB 03

CONFIDENTIAL

#1 Hinnergardt  
20' S of NE SW NE  
Section 33-16S-22W  
Ness County, Kansas  
API# 15-135-23,628-00-00  
ACO-1 form  
Page 2

PLEASE KEEP THIS  
INFORMATION  
CONFIDENTIAL

RELEASED

MAR 1 1992

DRILL STEM TESTS

FROM CONFIDENTIAL

ELECTRIC LOG TOPS

DST #1 from 4287' to 4319' (Ft. Scott). Recovered 30' of mud.  
IFP:33-33#/30"; ISIP:66#/30";  
FFP:44-45#/30"; FSIP:55#/30".

Anhydrite	1706' (+ 697)
B/Anhydrite	1744' (+ 659)
Heebner	3802' (-1399)
Lansing	3842' (-1439)
B/KC	4114' (-1711)
Pawnee	4216' (-1813)
Ft. Scott	4311' (-1908)
Cher. shale	4324' (-1921)
Upr. Cher. sd.	4331' (-1928)
Cong. sand	4394' (-1991)
Miss.	4414' (-2011)
LTD	4448' (-2045)

DST #2 from 4316' to 4341' (Upper Cher. sand). Recovered 240' of gas in pipe; 135' of oil and water cut mud (20% gas, 30% oil, 40% mud, 10% water); 230' water cut oil (15% gas, 55% oil, 10% mud, 20% water); and 210' muddy water with a scum of oil. 575' of total fluid (11% gas, 29% oil, 13% mud, 47% water).  
IFP:77-211#/30" - Had a strong blow and pulled the tool after a 30" flow period to avoid the tool being stuck in the hole.

DST #3 from 4353' to 4420' (Cong. sand). Recovered 5' of drilling mud with a few oil spots.  
IFP:55-55#/30"; ISIP:288#/30";  
FFP:55-55#/30"; FSIP:200#/30".

RECEIVED  
KANSAS CORPORATION COMMISSION

FEB 4 1992

CONSERVATION DIVISION  
WICHITA, KS

Russell, Kansas  
5-5861, Great Bend, Kansas

FEB 11 1992

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

2618

New

Date	1-4-92	Sec.	33	Fwp.	16	Range	22	Called Out	2:00 AM.	On Location	5:00 AM.	Job Start	9:30 AM.	Finish	11:00 AM.
Lease	H. Wergardt	Well No.	#1	Location	Brownell, 1/4w, 1/2w, 1/2s			County	Ness		State	KS			

Contractor	Murfin Rig #3
Type Job	Production
Hole Size	7 7/8"
Csg.	5 1/2"
Tbg. Size	
Drill Pipe	
Tool	Port collar = 1700'
Cement Left in Csg.	20.91'
Press Max.	
Meas Line	
Perf.	

Owner	Same
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish completion and helper to assist owner or contractor to do work as listed.	
Charge To	Ritchie Exploration Inc.
Street	125 N. Market Suite 1000
City	Wichita
State	Ks 67202
The above was done to satisfaction and supervision of owner agent or contractor. <small>(KANSAS CORPORATION COMMISSION)</small>	

### EQUIPMENT

#	No.	Cementer	
Pumptrk	181	RELEASED	Tim Cary
Pumptrk		Helper	
Bulktrk	101	DRIVER 11 1994	Yancy

Purchase Order No.	X	Bernie Wills	FEB 4 1992
CEMENT CONSERVATION DIVISION WICHITA, KS			
Amount Ordered	115 SKS ASC	1000 gal WFR 2	
Consisting of	Common	115 ASC	7.25 833.75
	Poz. Mix		
	Gel.		
	Chloride		
	Quickset		
	WFR 2	1000 gal.	500.00
	Handling	115	1.00 115.00
	Milage	20	92.00
	Total	\$ 5007.75	Sub-Total
		Disc - 751.17	
		<b>\$ 4256.58</b>	Total

### DEPTH of Job

Reference:	Pumptrk Charge	880.00
20	Pumptrk Mileage	40.00
1	5 1/2" Rubber Plug	95.00
	<b>Total</b>	<b>965.00</b>

Remarks: Row 4447 of 5 1/2" csg. Pumped 1000 gal WFR 2. Mixed 100 SKS ASC. Washed line clean of cement. Displaced plug to 4430' with fresh water. Float did hold. Plugged Rathole w/ 15 SKS.

1-5 1/2" Guideshoe	-	125.00
1-5 1/2" Insert	-	189.00
6-5 1/2" Centralizers	-	276.00
1-5 1/2" Basket	-	127.00
1-5 1/2" Port Collar	-	1785.00
		<b># 2502.00</b>

NO WARRANTY ON FLOAT EQUIPMENT

JAN 08 1992

3-2627, Russell, Kansas  
 793-5861, Great Bend, Kansas

**ORIGINAL**

FEB 4 3

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No 2893

CONFIDENTIAL

**ALLIED CEMENTING CO., INC.**

Home Office P. O. Box 31

Russell, Kansas 67665

*News*

Date 1-24-92	Sec. 33	Twp. 16	Range 22	Called Out 6:00 am	On Location 7:45 am	Job Start 8:30 am	Finish 11:15 am
Lease <i>Hinnergardt</i>	Well No. 1	Location <i>Brown small 1/2w 15 1/2w</i>			County <i>Neosho</i>	State <i>Ka</i>	

Contractor <i>Plains Well Service</i>	Owner <i>Ritchie</i>
Type Job <i>Post collar</i>	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 listed.
Hole Size	T.D.
Csg. <i>5 1/2</i>	Depth
Tbg. Size <i>2 1/2</i>	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max. <i>800#</i>	Minimum
Meas Line	Displace <i>8 bbl</i>
Perf.	

Charge To *Ritchie Exploration Inc.*  
 Street *125 N. Market Suite 1000*  
 City *Wichita* State *Ko.* 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Benne Mills*

**CEMENT**

Amount Ordered *350 lbs 1/4# flo seal per ex,*  
 Consisting of *(used 250 ex)*

Common			
For mix	<i>250 lbs</i>	<i>4.25</i>	<i>1062.50</i>
Gel.			
Chloride			
Quickset			
	<i>Flo Seal 63#</i>	<i>1.00</i>	<i>63.00</i>

Handling	<i>350</i>	<i>1.00</i>	<i>350.00</i>
Milage	<i>20</i>		<i>280.00</i>
KANSAS CORPORATION COMMISSION			
FEB 4 1992			Total <i>1755.50</i>

Floating Equipment  
 CONSERVATION DIVISION  
 TOTAL *2870.50*  
 Disc - *340.58*

*\$ 1929.92*

FEB 3 1992

JAN 28 1992

**EQUIPMENT**

No.	Cementor		
Pumptrk <i>158</i>	Helper	<i>N.D.</i>	
No.	Cementor		
Pumptrk	Helper	<i>Bob</i>	RELEASED
	Driver	<i>Bill</i>	MAR 1 1 1994
Bulktrk <i>220</i>			
Bulktrk	Driver		

FROM: CONFIDENTIAL

**DEPTH of Job**

Reference:	<i>Pump trk charge</i>	<i>475.00</i>
	<i>20 Milage</i>	<i>40.00</i>
	Sub-Total	
	Total	<i>515.00</i>

Remarks: *Open post collar & mix 250 ex cement, displace 8 bbl close & run 5 jts & pump 60 bbl salt wtr.*

By *Allied Cementing*  
*Jayson*  
*Deering*

*Thank you.*

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No. 2869

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Date <i>12-27-91</i>	Sec. <i>33</i>	Twp. <i>16</i>	Range <i>22</i>	Called Out <i>8:00 PM</i>	On Location <i>10:00 PM</i>	Job Start <i>12:30 AM</i>	Finish <i>1:00 AM</i>
Lease <i>Himmengardt</i>	Well No. <i>1</i>	Location <i>Brownell 1/2W 15 1/2W 1/4S</i>			County <i>Ness</i>	State <i>Ka</i>	

Contractor <i>Murfin #3</i>	Owner <i>Ritchie</i>
Type Job <i>Surface</i>	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 listed.
Hole Size <i>12 1/4</i>	T.D. <i>213'</i>
Csg. <i>8 5/8</i>	Depth <i>213'</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15'</i>	Shoe Joint
Press Max.	Minimum
Meas Line	Displace <i>12.9 bbl</i>
Perf.	

Charge To <i>Ritchie Exploration Inc.</i>
Street <i>125 N. Market Suite 1001</i>
City <i>Wichita</i> State <i>Ks. 67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X <i>Keith Jan Pot</i>
<b>CEMENT</b>
Amount Ordered <i>150 bbl 60/40 2% gel 3% cc</i>
Consisting of
Common <i>90</i> <i>5.25</i> <i>472.50</i>
Poz. Mix <i>60</i> <i>2.25</i> <i>135.00</i>
Gel. <i>3</i> <i>6.75</i> <i>20.25</i>
Chloride <i>5</i> <i>21.00</i> <i>105.00</i>
Quickset
Handling <i>150</i> <b>RECEIVED</b> <i>150.00</i>
Mileage <i>20</i> <b>KANSAS CORPORATION COMMISSION</b> <i>120.00</i>
FEB 4 1992
CONSERVATION DIVISION <b>WICHITA, KS</b> <i>982.50</i>
Floating Equipment
<b>TOTAL \$ 1444.50</b>
<b>Disc - 216.68</b>
<b>\$ 1227.82</b>

EQUIPMENT		
No.	Cementer	
Pumptrk <i>158</i>	Helper	<b>RELEASED</b>
No.	Cementer	
Pumptrk	Helper <i>Bob</i>	<i>NOV 9 1991</i>
	Driver <i>Keith</i>	
Bulktrk <i>116</i>		<b>FROM CONFIDENTIAL</b>
Bulktrk	Driver	

DEPTH of Job	
Reference:	
<i>20 Pump trk charge</i>	<i>380.00</i>
<i>20 Mileage</i>	<i>40.00</i>
<i>1 8 5/8 TWP</i>	<i>42.00</i>
Sub-Total	
Total	<i>462.00</i>

Remarks: *Cement did circulate.*  
*5 bbl cement*

*copy of this 12-31-91*  
*SKS*

*Thank you*

DEC 31 1991