

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

API NO. 15- 155-21,229-0000
County RENO
SE - NE - NE Sec. 10 Twp. 26s Rge. 10 XX^E_V

ORIGINAL

Operator: License # 4767
Name: RITCHIE EXPLORATION, INC
Address 125 N. Market
Suite 1000
City/State/Zip Wichita KS 67202
Purchaser: Koch
Operator Contact Person: Jeff Christian
Phone 316) 267-4375

4290 Feet from SW (circle one) Line of Section
330 Feet from SW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE. SE NW or SW (circle one)

Contractor: Name: Woodman-Iannitti Drilling Co.
License: 512218
Wellsite Geologist: Jeff Christian
Designate Type of Completion
 New Well Re-Entry Workover

Lease Name DETERDING Well # 1
Field Name Wildcat
Producing Formation Mississippi
Elevation: Ground 1716 KB 1721'
Total Depth 4050' PBDT na

Oil SVD S10W Temp. Abs
 Gas ENHR S10W
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Amount of Surface Pipe Set and Cemented at 212' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
ft depth to _____ w/ _____ sx cmt.

If Workover/Re-Entry: NA well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____
Re-perf. _____
Conv. to Inj/SVD _____
PBDT _____
Docket No. _____
Docket No. _____
Docket No. _____
Spud Date 11/16/92 Date Reached TD 11/26/92 Completion Date 1-28-93

Drilling Fluid Management Plan DFA 3-9-93
DATA must be collected from the Reserve Pit)
Chloride Content 65,000 ppm Fluid volume 753 bbls
Dewatering method used Vacuum truck
Location of fluid disposal if hauled offsite: _____

Operator Name Gee Oil Service
Lease Name Rogers License No. 3546
NW/4 Quarter Sec. 34 Twp. 23 s Rng. 13 E/W
County Stafford Docket No. D-23,350

RELEASED

MAY 2 4 1993

FROM CONFIDENTIAL

PLEASE KEEP THIS WELL INFO CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

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 2-16-93
Subscribed and sworn to before me this 16th day of February 19 93.
Notary Public [Signature]
Date Commission Expires _____

E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C STAFFORD COUNTY REPORT RECEIVED
FEB 17 1993
KCC SVD/Rep _____ MGA
KGS _____ Plug _____ Other _____
CONSERVATION DIVISION (Specify)
Wichita, Kansas

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-29-95

Operator Name RITCHIE EXPLORATION, INC. Lease Name DETERDING Well # 1
 County RENO
 Sec. 10 Twp. 26 Rge. 10 East West

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 sheet

List All E.Logs Run:

Dual Compensated Porosity
 Dual Induction

**PLEASE KEEP THIS
 INFORMATION
 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#	212'	60#40Poz	225	3%CC+2%Gel
PRODUCTION	7-7/8"	5-1/2"	14#	4043'	A.S.C.	200	none

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3930'-44'	common	150	none

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
	1	3930'-3944'	Mississippi	2000 gal. 13.5% HCL & 1.5% HF	
3	3931'-3936'	Mississippi	100 gal. 7.5% DSFE		3931'-36'

TUBING RECORD		Size	Set At	Packer At	Liner Run				
		2 7/8"	4001'	na		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.				Producing Method					
1-28-93				<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	
	10				10				

Disposition of Gas:

Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify)

Production Interval

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

ORIGINAL

#1 Deterding
SE NE NE
Section 10-26S-10W
Reno County, Kansas
API# 15-155-21,229

FEB 1 6

CONFIDENTIAL

ELECTRIC LOG TOPS

Topeka	2894' (-1273)
Heebner	3264' (-1543)
Lansing	3473' (-1752)
Stark	3730' (-2009)
B/KC	3819' (-2098)
Miss Chert	3929' (-2208)
Kinderhook	4015' (-2294)
LTD	4051' (-2330)

DST #1 from 3725' to 3745' (L/KC "K" zone). Recovered 350' of gas in pipe and 30' of oil cut mud.

IFP:81-81#/30"; ISIP:112#/30";
FFP:91-91#/45"; FSIP:132#/45".

DST #2 from 3909' to 3931' (Mississippi Chert). Recovered 120' of gas in pipe, 30' mud with oil spots, 60' of gassy oil cut mud (40% gas, 20% oil, 40% mud), 60' of slight gas and mud cut oil (5% gas, 85% oil, 10% mud), and 120' of slight mud cut gassy oil (30% gas, 65% oil, 5% mud). Total fluid 270'.

IFP:71-71#/30"; ISIP:958#/45";
FFP:132-132#/30"; FSIP:948#/45";

DST #3 from 3931' to 3940' (Mississippi Chert). Gas to surface 32" - too small to measure. Recovered 150' clean oil - 33° gravity and 360' froggy oil.

IFP:132-153#/30"; ISIP:938#/45";
FFP:214-224#/30"; FSIP:858#/45".

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

FEB 17 1993

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

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

ORIGINAL

ALLIED CEMENTING CO., INC.

3488

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>11-16-92</i>	Sec. <i>26</i>	Twp. <i>10</i>	Range <i>10</i>	Called Out <i>3:30 PM</i>	On Location <i>5:30 PM</i>	Job Start <i>8:00 PM</i>	<i>9:00 PM</i> Finish <i>PN</i>																				
Lease <i>DeTerding</i>	Well No. # <i>1</i>	Location <i>Turon Bank 2E 5/8</i>			County <i>Ren</i>	State <i>KS</i>																					
Contractor Woodman + Sannitt <i>Dilling RB #1</i>				Owner <i>SAME</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.																											
Type Job <i>Surface pipe job</i>	Charge To <i>Ritchie Explo Inc.</i>																										
Hole Size <i>12 1/2</i>	T.D. <i>212 ft</i>	Street <i>300 W. Douglas Suite 1000</i>																									
Csg. <i>28" Used Pipe</i>	<i>88</i>	Depth <i>211 ft</i>	City <i>Wichita</i> State <i>Ks 67202</i>																								
Tbg. Size	The above was done to satisfaction and supervision of owner agent or contractor.																										
Drill Pipe	Purchase Order No. <i>CONFIDENTIAL</i>																										
Tool	X <i>Fish Literal</i> Thank you																										
Cement Left in Csg. <i>15 ft</i>	Shoe Joint	CEMENT																									
Press Max.	Minimum	Amount Ordered <i>225 60 B200 27 gal</i>																									
Meas Line <i>196 ft</i>	Displace <i>12.2 bbl</i>	Consisting of																									
Perf.	<table border="1"> <tr> <td>Common</td> <td><i>135</i></td> <td><i>5.50</i></td> <td><i>742.50</i></td> </tr> <tr> <td>Poz. Mix</td> <td><i>90</i></td> <td><i>2.50</i></td> <td><i>225.00</i></td> </tr> <tr> <td>Gel.</td> <td><i>5</i></td> <td><i>6.25</i></td> <td><i>NIL</i></td> </tr> <tr> <td>Chloride</td> <td><i>7</i></td> <td>RELEASED</td> <td><i>21.00</i></td> </tr> <tr> <td>Quickset</td> <td colspan="3"></td> </tr> </table>							Common	<i>135</i>	<i>5.50</i>	<i>742.50</i>	Poz. Mix	<i>90</i>	<i>2.50</i>	<i>225.00</i>	Gel.	<i>5</i>	<i>6.25</i>	<i>NIL</i>	Chloride	<i>7</i>	RELEASED	<i>21.00</i>	Quickset			
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Chloride	<i>7</i>	RELEASED	<i>21.00</i>																								
Quickset																											

EQUIPMENT
Acad Brand

Pumptrk	No. <i>120</i>	Cementer	<i>Mike</i>
		Helper	<i>DARR</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	<i>222</i>	Driver	<i>Yancy</i>
Bulktrk		Driver	

DEPTH of Job *211 ft*

Reference:	<i>Pump Truck Charge</i>	<i>380.00</i>
<i>#23</i>	<i>Milage charge</i>	<i>46.00</i>
<i>1</i>	<i>88 wooden plug</i>	<i>42.00</i>
	Sub-Total	
	Tax	
	Total	<i>468.00</i>

Remarks: *Cement did Circulate*

Copy to [unclear]

Allied Cementing Co. Inc.
Mike March

Thank you

Handling <i>225</i>	FROM CONFIDENTIAL	<i>1.00</i>	<i>225.00</i>
Milage <i>23</i>			<i>207.00</i>
NOV 9 2			
		<i>100798</i>	
		Total	<i>1546.50</i>
Floating Equipment			
Total # <i>2014.50</i>			
Disc - <i>402.90</i>			
<p>RECEIVED NOV 23 1992</p> <p>STATE CORPORATION COMMISSION</p> <p>FEB 17 1993</p> <p>CONSERVATION DIVISION Wichita, Kansas</p>			

Russell, Kansas
8861, Great Bend, Kansas

ORIGINAL

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

ALLIED CEMENTING CO., INC.

2869

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	11-26-92	Sec.	10	Twp.	26	Range	10	Called Out	8:00AM.	On Location	11:30AM.	Job Start	4:30PM.	Finish	5:30PM.	
Lease	Deterding	Well No.	#1	Location				Turon, 2E, 2S, W1/4	County	Reub	State	KS				

Contractor	Woodman-Immitt		
Type Job	Production		
Hole Size	7 3/8"	T.D.	4050'
Csg.	5 1/2"	SR Depth	4043'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool - Portcollar	1508	Depth	
Cement Left in Csg.	43.23	Shoe Joint	43.23
Press Max.	2080#	Minimum	
Meas Line	Plug at 3843	Displace	97 1/2 bbl.
Perf.			

Owner	Same		
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.			
Charge To	Bitchie 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.			
Purchase Order No.	x Bennie Dills		
CEMENT			
Amount Ordered	208 SKS ASC.	500 gal WFR II	

EQUIPMENT

FEB 16

CONFIDENTIAL

#	No.	Cementer	Tim
Pumptrk	181	Helper	Carry
#	No.	Cementer	
Pumptrk		Helper	
#	No.	Driver	Jack
Bulktrk	222	Driver	

Consisting of			
Common	200 ASC	7.50	1500.00
Poz. Mix			
Gel.		RELEASED	
Chloride			
Quickset			
	500 gal WFR II	50	250.00
FROM CONFIDENTIAL			
Handling	200	1.00	200.00
Mileage	23		184.00

DEPTH of Job		
Reference:	Pumptrk Change	880.00
23	Pumptrk Mileage	46.00
	5 1/2" Rubber Plug	45.00
	Total	971.00

Total	\$ 5667.00	
Less Disc	- 1133.40	
	\$ 4533.60	Total
Floating Equipment		DEC 3 1992

Remarks:
 Run 4055' of 5 1/2" csg. Pumped 500 gal WFR II followed by 185 SKS ASC. Washed & cleaned of cement & pumped plug with water. Plug stopped at 3843. Hold, 1/2 SKS.

1-5 1/2" Baker Insert	-	189.00
1-5 1/2" Guide Shoe	-	125.00
1-5 1/2" Portcollar - Baker		5.00
6-5 1/2" Centralizers		336.00
1-5 1/2" Basket	-	127.00
FEB 17 1993		
Allied Cementing Co. By Tim Dierker Wichita, Kansas		
		2562.00

RECEIVED
 STATE CORPORATION COMMISSION
 CONSERVATION DIVISION
 Wichita, Kansas

483-2627, Russell, Kansas
 716-793-5861, Great Bend, Kansas

ORIGINAL

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

Old

ALLIED CEMENTING CO., INC.

2732

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Jan 9-93	Sec.	10	Twp.	26s	Range	10w	Called On	1:60 PM	On Location	9:30 AM	Job Start		Finish	11:15
Lease	Deterding	Well No.	1	Location 2817.5				County	Reno	State	Ks				
Contractor	Ludwig														
Type Job	Squeeze														
Hole Size					T.D.	4050									
Csg.	5 1/2				Depth	4045									
Tbg. Size	2 7/8				Depth	3865									
Drill Pipe					Depth										
Tool	ASC				Depth										
Cement Left in Csg.					Shoe Joint										
Press Max.	1500 #				Minimum										
Meas Line					Dist	RELEASED									
Perf.	3970.44														

Owner *SOME*
 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.
 Ritchie Exploration Inc
 Charge To *Scott Ritchie*
 Street *125 N. Market Suite 1000*
 City *Wichita* State *Ks. 67202*
 The above was done to satisfaction and supervision of owner agent or contractor.
 Purchase Order No.
 x *Bonnie Willy*

MAY 24 1995

EQUIPMENT FROM CONFIDENTIAL

Pumptrk	No.	Cementer	<i>Don Holmes</i>
	<i>195</i>	Helper	<i>Leat. Ray Wink</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	<i>Rick Blacksey</i>
	<i>68</i>	Driver	<i>ND</i>

CEMENT

Amount Ordered	<i>1.50 Com, 50 # Cemad</i>		
Consisting of	Common	<i>150</i>	<i>5.50</i>
	Poz. Mix		<i>825.00</i>
	Gel.		
	Chloride	<i>FEB 16</i>	
	Quickset	<i>CONFIDENTIAL</i>	
	<i>Cemad 50</i>	<i>5.00</i>	<i>250.00</i>
	Handling	<i>150</i>	<i>1.00</i>
	Mileage	<i>28</i>	<i>150.00</i>
		<i>JAN 13 1993</i>	<i>168.00</i>
	TOTAL	2329.00	Sub-Total
	TAX	<i>137.42</i>	
		<i>2466.42</i>	
		<i>493.29</i>	Total
			<i>1393.00</i>
Floating Equipment	Disc	<i>1973.13</i>	

DEPTH of Job	Reference:	<i>Pumptrk</i>	<i>880.00</i>
	<i>28</i>	<i>Mileage</i>	<i>56.00</i>
		Subtotal	
		Total	<i>936.00</i>

Remarks: *LOAD ANALYST PSI*
700 #. OK.
TAKE TONG RATE / TBG
3 BBLs @ 700 #

Mix 10 BBLs w/ w 50 # Cemad
followed w neat cement
Displaced 16 BBLs
 RECEIVED
 STATE INSPECTION COMMISSION
1500 # Release - OK. Dra.
Re-test OK - PSI 700 #
Pipe PSI 50 #
 JAN 13 1993
 WICHITA, KANSAS