

ORIGINAL COPY

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

AP# NO. 15- 065-22,717-0000 **CONFIDENTIAL**

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: N.C.R.A.

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: K. Noah **KCC**

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expt., Geologic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: JAN 11 1996

Well Name: FROM CONFIDENTIAL

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

6-25-93 6-30-93 8-12-93
Spud Date Date Reached TD Completion Date

County Graham

200' N of NW SW 14 Twp. 10 Rge. 22W 10 E

3830 Feet from S/W (circle one) Line of Section

4950 Feet from E/W (circle one) Line of Section

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

Lease Name Holmquist-Holmes Well # 1 Twin

Field Name Faul NE

Producing Formation L/KC

Elevation: Ground 2246 KB 2251

Total Depth 3750 PBD 3717

Amount of Surface Pipe Set and Cemented at 205 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1731.82 Feet

If Alternate II completion, cement circulated from 1731.82

feet depth to 250 w/ 500 sx cat.

Drilling Fluid Management Plan ART II
(Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 615 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Lease Name CONFIDENTIAL

Quarter Sec. Top

County Docket No.

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 10-19-93

Subscribed and sworn to before me this 19th day of October, 1993.

Notary Public [Signature]

Date Commission Expires

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp 8-29-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Holmquist-Holmes Well # 1 Twin

Sec. 14 Twp. 10 Rge. 22W County Graham
 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:
 Radiation Guard Log
 Gamma Ray Correlation Log

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings sat-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"	20#	205	60/40 poz	170	2% gel 3% CC
production	7 7/8"	5 1/2"	14#	3747	60/40 poz	135	10% salt 3% gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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
3	180' zone 3673.5'-3675.5' 3680.5'-3683.5'	750 gallons 15% NE 180' zone
3	3657'-3661.5' 160' zone	750 gallons 15% NE 160' zone

TUBING RECORD Size 2 3/8" Set At 3713.86' Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 8-12-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 7.00 Bbls. Gas 0.00 Mcf Water 0.21 Bbls. Gas-Oil Ratio Gravity

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

15-065-22717-0000

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775

CONFIDENTIAL

#1 Holmquist-Holmes Twin 316-267-4375 FAX 316-267-3026
200' N NW SW NW
Section 14-10S-22W
Graham County, Kansas
API# 15-065-22,717
Elevation: 2246' G.L., 2251' K.B.

ORIGINAL
COPY

LOG TOPS

Anhydrite	1744' (+ 507)
B/Anhydrite	1786' (+ 465)
Topeka	3250' (- 999)
Heebner	3460' (-1209)
Toronto	3480' (-1229)
Lansing	3495' (-1244)
B/KC	3724' (-1473)
LTD	3748' (-1497)

KCC
OCT 15
CONFIDENTIAL

RELEASED
JAN 11 1996
FROM CONFIDENTIAL

No drill stem tests taken.

PLEASE
INFORMED
INFORMATION
CONFIDENTIAL

RECEIVED
CORPORATION COMMISSION
OCT 20 1993
CONSERVATION DIVISION
WICHITA, KS

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

15-065-22717-0000
NEW ORIGINAL CONFIDENTIAL
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31
 Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-25-93	14	10	22	7:30 PM	9:30 PM	1:00 AM	1:45 AM
Lease <i>Inguiste - Hollins</i>		Well No. <i>1 Twin</i>	Location <i>10N2W4N1E Ogallah</i>		County <i>Wagon</i>	State <i>KS</i>	

Contractor <i>Murfin Drlg Rig 8</i>	
Type Job <i>Surface</i>	
Hole Size <i>12 1/4</i>	T.D. <i>206'</i>
Csg. <i>8 5/8 20'</i>	Depth <i>204'</i>
Tbg. Size	Depth <i>KCC</i>
Drill Pipe	Depth <i>OCT 1-5</i>
Tool	Depth <i>OCT 1-5</i>
Cement Left in Csg. <i>15'</i>	Shoe Joint <i>CONFIDENTIAL</i>
Press Max.	Minimum
Meas Line <i>NO</i>	Displace <i>12 1/4 ccb's</i>
Perf.	<i>RELEASED</i>

Owner <i>Ritchie Exploration Inc</i>
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.
Charge To <i>Ritchie Exploration Inc</i>
Street <i>125 N Market Suite 1000</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. <i>X</i>
<i>Robert [Signature]</i>
CEMENT
Amount Ordered <i>170 sks 60/40 39% cc 29.6 gal</i>

EQUIPMENT JAN 1 1 1996

Pumptrk <i>277</i>	No.	Cementer	<i>CONFIDENTIAL</i>
		Helper	
Pumptrk <i>279</i>	No.	Cementer	<i>Carl Gatt...</i>
		Helper	
Bulktrk <i>218</i>		Driver	<i>MIKE S.</i>
		Driver	

Consisting of		
Common	<i>102 SKS @ 57%</i>	<i>586.00</i>
Poz. Mix	<i>68 SKS @ 57%</i>	<i>201.00</i>
Gel.	<i>3 SKS</i>	<i>N/C</i>
Chloride	<i>5 SKS</i>	<i>125.00</i>
Quickset		

DEPTH of Job <i>204'</i>	
Reference:	<i>Pump Trk chrg 430.00</i>
	<i>42 miles 92.50</i>
	<i>1-8 5/8 42.00</i>
Sub Total	
Tax	
Total <i>566.00</i>	

Sales Tax	
Handling <i>@ 1.00</i>	<i>170.00</i>
Mileage <i>42 @ 30/1000</i>	<i>1260.00</i>
Sub Total	
Total <i>1371.00</i>	

Remarks: *Ran 5 Joints 8 5/8 csg
 Cement did circulate ✓
 cemented w/ 170 sks 60/40
 39% cc 29.6 gal*

Floating Equipment

Thank You

RECEIVED
 KANSAS CORPORATION COMMISSION
 OCT 20 1993
 CONSERVATION DIVISION
 WICHITA KS

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

CONFIDENTIAL

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67065

5560

Date	6-30-93	Sec.	14	Twp.	10	Range	22	Called Out	2:00 pm	On Location	5:00 pm	Job Start	11:03	Finish	11:30 pm
Lease	Holmquist-Holmquist Well No. #1 twin		Location		Wakeney 13N 5E 2S 1E			County	GRAHAM		State	KS			
Contractor	MURPHY Drilling Rig #8														
Type Job	Prod. string														
Hole Size	7 7/8		I.D.		3750										
Csg.	5 1/2		Depth		3747										
Tbg. Size			Depth		KCC										
Drill Pipe			Depth		OCT 15										
Tool			Depth		CONFIDENTIAL										
Cement Left in Csg.	27'		Shoe Joint		27'										
Press Max.			Minimum												
Meas Line	✓		Displace		✓										
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: Ritchie Exploration, Inc

Street: 125 N. Market - Suite 1000
 City: Wichita State: Kansas

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

Purchase Order No.

EQUIPMENT

Pumptrk	No. 153	Cementer	Bill Leikam
		Helper	MARK JAVIS
Pumptrk	No.	Cementer	RELEASED
		Helper	
Bulktrk	291	Driver	Steve
Bulktrk		Driver	FROM CONFIDENTIAL

CEMENT

Amount Ordered	150 60/40 10% salt 2% adm	
Consisting of	500 gal. WFR II	
Common	40 @ 5.75	517.00
Poz. Mix	60 @ 3.00	180.00
Gal. Salt	13 @ 5.25	68.25
Chloride WFR-2	500 gal @	500.00
Quickset		
	382 @ 39¢	148.98
Sales Tax		
Handling	1.00	150.00
Mileage	2.46 @ 10.00/mile	24.60
Sub Total		
JUN 93	1009762	1810.78
Total		1810.78

DEPTH of Job

Reference:	Pump Truck	980.00
	Mileage 2.35/mile	92.25
	5 1/2 Rubber plug	45.00
Sub Total		
Tax		
Total		1117.25

Floating Equipment

1 - 5 1/2 insert	189.00
1 - 5 1/2 guide shoe	125.00
1 - 5 1/2 joint collar	1785.00
1 - 5 1/2 Basket	127.00
4 - 5 1/2 turbo centralizers	
2 - 5 1/2 centralizers	336.00
	2562.00

Remarks:

+ Job Held

Joint collar set @ 1733

W/ pump plug w/ 91 lbs water

15 hrs in Rathel

3-2627, Russell, Kansas
 16-793-5861, Great Bend, Kansas

ORIGINAL CONFIDENTIAL

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

ALLIED CEMENTING CO., INC.

5574

Home Office P. O. Box 31

Russell, Kansas 67665

new

Date 8-6-93	Sec.	Twp.	Range	Called Out 7:30 Am	On Location 11:00 Am	Job Start	Finish 4:15 Am
Lease from Q1st	Well No. 1	Location 1084W3S 1E Hill City			County Graham	State Ks	
Contractor Express Well Service				Owner			
Type Job Port Collar				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. OCT 15		Charge To Ritchie Exploration			
Csg.		Depth CONFIDENTIAL		Street 125 N. Market #1000			
Tbg. Size		Depth		City Wichita State Ks			
Drill Pipe		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Purchase Order No. [Signature]			
Cement Left in Csg.		Space Joint		X [Signature]			
Press Max.		Minimum		CEMENT			
Meas Line		Displace		Amount Ordered 500 sbu 50/50 6% Gel to Cello			
Perf.				Consisting of			

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 OCT 20 1993
 CONSERVATION DIVISION
 WICHITA, KS

EQUIPMENT

No.	Cementer	B. Leikin
Pumptrk 276	Helper	
No.	Cementer	C. B. H. W.
Pumptrk 279	Helper	
No.	Driver	D. Runkle
Bulktrk 218	Driver	M. Meshchy
Bulktrk 283	Driver	

Common	250 sbu	1437.50
Poz. Mix	250 sbu	750.00
Gel.	20 sbu	140.00
Chloride		
Quickset		
Cello Flake	5 sbu	137.50
Sales Tax		
Handling	@ 1.00	500.00
Mileage	#4/50 / mile	820.00
Sub Total		
Total		3785.00

copy T/R.T. 9-17-93 JJA

DEPTH of Job

Reference:	Pump Chase	525'
	2.25 p/m	9225
	mile	
Sub Total		
Tax		
Total		61725

Remarks: **Port Collar C 1733 Test C 1000 PSI OK**
Cement of 500 sbu 50/50 6% Gel to Celloflake max PSI 1000
Cement did not circulate Run 6 hrs wash Clean Test Port Collar
1000 PSI OK

Thanku.