

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

JUL 10

CONFIDENTIAL

API NO. 15- 179-21,037-00 ORIGINAL

County Sheridan

E/2 NW NW Sec. 27 Twp. 9 Rge. 29W E W

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market

Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: NA

Operator Contact Person: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: White & Ellis Drilling

License: 5420T

Wellsite Geologist: B. Allen

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

X Dry Other (Core, WSW, Exp. 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 PBTB

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

5-21-92 5-27-92 5-28-92

Spud Date Date Reached TD Completion Date

660 Feet from NW (circle one) Line of Section

990 Feet from NW (circle one) Line of Section

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

Lease Name L. Manhart Well # 1

Field Name WCC

Producing Formation NA

Elevation: Ground 2869 KB

Total Depth 4244' PBTB

Amount of Surface Pipe Set and Cemented at 211' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 2 DIA
(Data must be collected from the Reserve Pit)

Chloride content 500 ppm Fluid volume 400 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

RELEASED

Operator Name

Lease Name AUG 9, 1993 License No.

Quarter Sec. FROM CONFIDENTIAL E/W

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 7/10/92

Subscribed and sworn to before me this 10th day of July 1992

Notary Public Glenna E. Lowe

Date Commission Expires

GLENN E. LOWE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 9-18-95

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)

Operator Name Ritchie Exploration, Inc. Lease Name L. Manhart Well # 6

Sec. 27 Twp. 9 Rge. 29W East County Sheridan
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED SHEET		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p style="text-align: center;">PLEASE KEEP THIS INFORMATION CONFIDENTIAL</p>		
List All E.Logs Run:				
R.A. Guard Log				

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 csg	12 1/4"	8 5/8"	28#	218'	60/40 poz	160	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input 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

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: _____

JUL 10
CONFIDENTIAL

RITCHIE EXPLORATION, INC.

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

RELEASED

AUG 02 1993

#1 L. Manhart
E/2 NW NW
Section 27-9S-29W
Sheridan County, Kansas
API# 15-179-21,037-00-00

FROM CONFIDENTIAL

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

ELECTRIC LOG TOPS

Anhydrite	2476' (+ 398)
B/Anhydrite	2510' (+ 364)
Topeka	3727' (- 853)
Heebner	3948' (-1074)
Toronto	3976' (-1102)
Lansing	3992' (-1118)
B/KC	4237' (-1363)
LTD	4245' (-1371)

DST #1 from 4003' to 4024' (L/KC "C" zone). Recovered 20' of very slight oil cut mud.

IFP:31-31#/30"; ISIP:1050#/30";
FFP:41-41#/30"; FSIP:1010#/30".

DST #2 from 4043' to 4067' (L/KC "E" and "F" zones). Recovered 370' muddy water.

IFP:31-72#/30"; ISIP:1050#/45";
FFP:145-176#/30"; FSIP:1000#/45".

DST #3 from 4179'-4244' (L/KC "K" and "L" zones). Recovered 70' oil specked mud and 60' of drilling mud.

IFP:41-41#/30"; ISIP:1150#/30";
FFP:62-72#/45"; FSIP:1120#/45".

DST #4 from 4092' to 4130' (L/KC "H" zone). with straddle packers. Recovered 185' of mud with slight show of oil and 870' of water.

IFP:83-249#/30"; ISIP:1230#/30";
FFP:363-467#/30"; FSIP:1220#/30".

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 10 1992
CONSERVATION DIVISION
WICHITA, KS

2627, Russell, Kansas
 5861, Great Bend, Kansas

JUL 10

15-179-21037-00-00
 New

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

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

2054

Home Office P. O. Box 31.

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-28-92	27	9 ^S	29 ^W	11:30 A.M.	2:45 P.M.	3:15 P.M.	5:30 P.M.
Lease L. Manhart			Well No. 1	Location Hoxie 755 ^{3/4} W/9 ^S		County Sheridan	State Ks.

Contractor	White & Ellis Drilling, Inc. Rig # 9	
Type Job	Plug	
Hole Size	7 7/8"	T.D. 4244'
Csg.	8 7/8"	Depth 218'
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.		Shoe Joint
Press Max.	300#	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	Ks. 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
CEMENT	
Amount Ordered	190 sks 6 1/4 per bag gel with
Consisting of	1/4 # of flo seal / sk.
Common	114 sks @ 6.10 / sk. 695.40
Poz. Mix	76 sks @ 2.40 / sk. 182.40
Gel.	7 sks @ 6.75 / sk. (Used 10 sks) 47.25
Chloride	
Quickset	
Flo seal	48 # @ 1.00 / lb. 48.00
Sales Tax	
Handling	2.00 / sk. (190 sks) 190.00
Mileage	2.04 / sk. / mi. (35 mi.) 266.00
Sub-Total	1429.05
Total	

RELEASED
 AUG 02 1993
 FROM CONFIDENTIAL

EQUIPMENT

Pumptrk	No. 191	Cementor	Gary H.
		Helper	Wayne Mc
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	#212	Driver	Joe S.
Bulktrk		Driver	

DEPTH of Job

Reference #8	Pumptruck-plug	\$380.00
#13	mileage @ 2.00/mi.	70.00
	1-8 7/8" dry hole plug	21.00
	Sub Total	471.00
	Tax	
	Total	

Remarks: 1st plug @ 2500' w/25 sks.
 2nd plug @ 1600' w/100 sks.
 3rd plug @ 250' w/40 sks.
 8 7/8" plug @ 40' w/10 sks. to surface.
 Plugged rat hole w/15 sks.

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUL 10 1992
 CONSERVATION DIVISION
 WICHITA, KS
 JUN 5 1992

... Kansas
 73-5861, Great Bend, Kansas

JUL 10 15-179-21037-00 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.
 Home Office P. O. Box 31 Russell, Kansas 67665

2048

CONFIDENTIAL

Date	5-21-92	Sec.	27	Twp.	9 ^s	Range	29 ^w	Called Out	8:45 A.M.	On Location	11:00 A.M.	Job Start	11:40 A.M.	Finish	Noon
Lease	L. Manhart	Well No.	1	Location	Hoxie 75 S 3/4 W 1/8 S			County	Sheridan		State	Ks.			
Contractor	White & Ellis			Rig #	9										
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	219'											
Csg.	8 7/8"		Depth	218'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum	-											
Meas Line	x		Displace	x											
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 Ks. 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 x Donald A. Dend rig #9
CEMENT

EQUIPMENT

Pumptrk	No.	Cementer	Gary H. Wayne Mo.
	191	Helper	
Pumptrk	No.	Cementer	Joe S.
		Helper	
Bulktrk	#212	Driver	
		Driver	

Amount Ordered	160 sks 60/40 por 220 gal, 3% C.C.	
Consisting of		
Common	96 sks @ 6.10/sk	\$585.60
Poz. Mix	64 sks @ 2.40/sk	153.60
Gel.	3 sks	N/C
Chloride	5 sks @ 21.00/sk	105.00
Quickset		

Handling	21.00/sk (160 sks)	160.00
Mileage	2.04 \$/sk./mi. (35 mi.) (from Oaklga)	224.00
Sub Total		1228.20
Total		

DEPTH of Job

Reference #	Description	Amount
#1	Pumptruck-surface	380.00
#13	mileage @ 2.00/mi.	70.00
	1-8 7/8" wooden ply	42.00
	Sub Total	492.00
	Tax	
	Total	

RECEIVED
 Floating Equipment
 Thanks
 RELEASED

Remarks: Cement Circulated.
 100% T/W
 5.28.92
 5.28.92

JUL 10 1992
 AUG 02 1993
 FROM CONFIDENTIAL
 MAY 28 1992