

ORIGINAL

API NO. 15- 065-22686-00-00

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

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: 125 N. Market, Ste. 1000
City/State/Zip: Wichita, KS 67202
Purchaser: NA
Operator Contact Person: Jeff Christian
Phone (316) 267-4375

Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: K. Noah

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S1OW 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 _____ PBTB _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____
08-09-92 08-16-92 08-17-92
Spud Date Date Reached TD Completion Date

County Graham
NE - NE - SE Sec. 10 Twp. 6S Rge. 23 E

2310 Feet from S/N (circle one) Line of Section
330 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 Bower Well # 1

Field Name Wildcat
Producing Formation NA

Elevation: Ground 2382' KB 2387'
Total Depth 3820' PBTB NA

Amount of ~~RELEASED~~ Pipe Set and Cemented at 249 Feet
Multiple Stage Cementing Collar Used? Yes _____ No _____
If Yes, show depth set _____ Feet

_____ cement circulated from _____
feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan ALT 2 10-29-92 D&B
(Data must be collected from the Reserve Pit)

Chloride content 5700 ppm Fluid volume 665 bbls
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Twp. _____ S Rng. _____ 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: 9-17-92
Subscribed and sworn to before me this 17 day of September, 19 92
Notary Public: Lisa Thimmesch
Date Commission Expires: _____

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

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

SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name Bower

Well # 1

Sec. 10 Twp. 6S Rge. 23

East
 West

County Graham

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 Datums Sample
Name Top Datum

SEE ATTACHED SHEET

List All E.Logs Run:

R.A. Guard Log

CASING RECORD

New 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"	20#	249'	60/40	160	2%Gel 3%CC

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth

TUBING RECORD	Size	Packer At	Liner Run
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Producing Method Flowing Pumping Gas Lift 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

RELEASED
OCT 15 1988
CONFIDENTIAL

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

ORIGINAL
RITCHIE EXPLORATION, INC.

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

RELEASED

#1 Bower
NE NE SE
Section 10-6S-23W
Graham County, Kansas
API# 15-065-22,686

OCT 12 1994

FROM CONFIDENTIAL

ELECTRIC LOG TOPS

Anhydrite	2038' (+ 349)	+1
B/Anhydrite	2071' (+ 316)	flat
Topeka	3367' (- 980)	+6
Heebner	3566' (-1179)	+5
Toronto	3590' (-1203)	+6
Lansing	3607' (-1220)	+4
B/KC	3799' (-1412)	-1
LTD	3820' (-1433)	

SEP 18
CONFIDENTIAL

DST #1 from 3562' to 3596' (Toronto). Recovered 60' gas in pipe; 45' heavy oil and water cut mud (40% oil, 40% water, 20% mud); 120' slight oil and mud cut water (6% oil, 74% water, 20% mud); 434' slight oil and mud cut water (4% oil, 81% water, 15% mud); 541' slight mud cut water (95% water, 5% mud). 1140' total fluid (4% oil, 85% water, 11% mud).

IFP:110-352#/30"; ISIP:1209#/30";
FFP:369-569#/30"; FSIP:1188#/30".

DST #2 from 3599' to 3620' (Top zone). Recovered 75' gas in pipe, 25' clean oil and 372' muddy water.

IFP:88-132#/30"; ISIP:1062#/45";
FFP:154-209#/30"; FSIP:1041#/45".

DST #3 from 3620' to 3662' (35' and 50' zones). Recovered 60' gas in pipe; 253' mud cut gassy water; 186' water.

IFP:98-177#/30"; ISIP:1066#/30";
FFP:216-285#/30"; FSIP:1036#/30";

DST #4 from 3660' to 3679' (L/KC 70' through 90' zone). Recovered 590' water.

IFP:88-176#/30"; ISIP:1156#/30";
FFP:209-286#/30"; FSIP:1114#/30".

DST #5 from 3707' to 3737' (L/KC 140' zone). Recovered 80' mud.

IFP:55-55#/30"; ISIP:1051#/45";
FFP:66-66#/30"; FSIP:862#/45".

DST #6 from 3740' to 3765' (L/KC 180' zone). Recovered 2' mud.

IFP:44-44#/30"; ISIP:55#/30";
FFP:44-44#/30"; FSIP:55#/30".

DST #7 from 3531' to 3546' Straddle Test (Topeka Oread "B" zone). Recovered 375' muddy water.

IFP:29-78#/45"; ISIP:590#/45";
FFP:118-147#/45"; FSIP:246#/45".

RECEIVED

KANSAS CORPORATION COMMISSION

SEP 18 1992

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

CONSERVATION DIVISION
WICHITA, KS

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

ORIGINAL

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

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

1590

New

Date	8-9-92	Sec.	10	Twp.	16 S	Range	23 W	Called Out	5:00 AM	On Location	7:15	Job Start	7:30 PM	Finish	8:00 PM
Lease	BOWER	Well No.	#1	Location	Hill City	12 N 1 W		County	GIRAHAM	State	KANSAS				
Contractor	MURFIN DRUG RIG #8														
Type Job	SURFACE														
Hole Size	12 1/4	T.D.	250'												
Csg.	8 5/8	#	Depth	249											
Tbg. Size		Depth													
Drill Pipe		Depth	SEP 18												
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint	CONFIDENTIAL												
Press Max.		Minimum													
Meas Line	✓	Displace	✓ 15 BBL												
Perf.															

Owner YAN
 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, #1000
 City Wichita State Kan. 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Legu Columni
CEMENT

EQUIPMENT

Pumptrk	#177	Cementer	<u>She</u>
		Helper	<u>and</u>
Pumptrk		Cementer	
		Helper	
Bulktrk	#16	Driver	<u>Paul</u>
		Driver	

Amount Ordered	160 SK 69/40 2% Gel 3% CC		
Consisting of			
Common	96	5.50	528.00
Poz. Mix	64	2.50	160.00
Gel.	3	6.75	NK
Chloride	5	21.00	105.00
Quickset			

DEPTH of Job

Reference:	Pump Truck CHRG	380.00
	2.00 Per mile	96.00
1-898	WOODEN Plug	42.00
	Sub Total	518.00
	Tax	
	Total	

RELEASED

Handling	OCT 12 1994	1.00	160.00
Mileage	48 FROM CONFIDENTIAL		307.20
	Sub Total		1260.20
	Total		

Remarks:
 Cement CIRCULATED
 Copy of this
 8-12-92
 SKS
[Signature]

RECEIVED
 KANSAS CORPORATION COMMISSION
 SEP 18 1992
 CONSERVATION DIVISION
 WICHITA, KS
 AUG 12 1992

316-2627, Russell, Kansas

316-793-5861, Great Bend, Kansas

ORIGINAL
New

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

2106

Date	8-17-92	Sec.	10	Twp.	6 ^s	Range	23 ^w	Called Out	1:00 A.M.	On Location	4:00 A.M.	Job Start	5:45 A.M.	Finish	8:30 A.M.	
Lease	Bower	Well No.	1	Location				Hill City 12N1W 3/8NW	County	Graham	State	Ks.				

Contractor	Munlin Drilling Co.	Rig #	8
Type Job	Plug		
Hole Size	7 7/8"	T.D.	3820'
Csg.	8 7/8"	Depth	249'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	SEP 18
Meas Line		Displace	CONFIDENTIAL
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 67202-1775

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

Purchase Order No. *[Signature]*

CEMENT

EQUIPMENT

No.	Cementor	
Pumptrk 191	Helper	Gary H. Marilyn K.
No.	Cementor	
Pumptrk	Helper	
	Driver	Paul D.
Bulktrk #212		
Bulktrk	Driver	

Amount Ordered	185 sks 60/40 per. 6 bagal with	
Consisting of	1/4 # Floseal /sk.	
Common	111 sks @ 5.50/sk.	\$ 610.50
Poz. Mix	74 sks @ 2.50/sk.	185.00
Gel.	6 sks @ 6.75/sk. (Used 10 sks)	40.50
Chloride		
Quickset		
Floseal	46 # @ 1.00/lb.	46.00
	Sales Tax	
Handling	1.00/sk. (185 sks)	185.00
Mileage	2.044/sk./mi. (48 mi.)	355.20
RELEASED		Sub Total # 1422.20
OCT 12 1994		Total

DEPTH of Job

Reference: #8	Pumptruck-plug	# 380.00
#13	mileage @ 2.00/mi.	96.00
	1-8 7/8" dry hole plug	21.00
	Sub Total	# 497.00
	Tax	
	Total	

Remarks:

1st plug @ 2050' w/20 sks.
 2nd plug @ 1230' w/100 sks.
 3rd plug @ 300' w/40 sks.
 8 7/8" plug @ 40' w/10 sks to surface.
 Plugged rat hole w/15 sks.

FROM CONFIDENTIAL RECEIVED

KANSAS CORPORATION COMMISSION

SEP 18 1992 AUG 24 1992

CONSERVATION DIVISION AUG 20 1992
 WICHITA, KS