

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: NCRA
Operator Contact Person: John Niernberger
Phone: (316) 691-9500
Contractor: Name: L.D. Drilling, Inc.
License: 6039
Wellsite Geologist: Kim Shoemaker

API No. 15 - 171-20581-00-00
County: Scott
N2 SE SE SE Twp. 17 S. R. 31 East West
1100 feet from S N (circle one) Line of Section
660 feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
Lease Name: Pember 11D Well #: 1

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

Field Name: _____
Producing Formation: Altamont B-1
Elevation: Ground: 2907 Kelly Bushing: 2912
Total Depth: 4630 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 316 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2251 Feet
If Alternate II completion, cement circulated from 2251
feet depth to surface w/ 335 sx cmt.
Alt II WTM 3-14-06

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

9/06/03	9/16/03	10/1/03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 9,000 ppm Fluid volume 1,000 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Production Manager Date: 12/2/03
Subscribed and sworn to before me this 2nd day of December,
2003.
Notary Public: [Signature]
Date Commission Expires: 5/4/07

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/4/07

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: Ritchie Exploration, Inc. Lease Name: Pember 11D Well #: 1
Sec. 11 Twp. 17 S. R. 31 [] East [x] West County: Scott

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken [x] Yes [] No (Attach Additional Sheets)

Samples Sent to Geological Survey [x] Yes [] No

Cores Taken [] Yes [] No

Electric Log Run [] Yes [] No (Submit Copy)

List All E. Logs Run:

Dual Compensated Porosity Log
Dual Induction Log

[] Log Formation (Top), Depth and Datum [x] Sample

Name Top Datum

SEE ATTACHED SHEET

KCC

DEC 02 2013

CONFIDENTIAL

RELEASED
MAR 10 2015
FROM CONFIDENTIAL

Table with 8 columns: 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. Rows include Surface and Casing data.

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes checkboxes for Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with 3 columns: 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. Includes data for 4 shots and 1000 gals 15% NE.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run. Includes checkboxes for Yes/No.

Table with columns: Date of First, Resumerd Production, SWD or Enhr., Producing Method. Includes checkboxes for Flowing, Pumping, Gas Lift, Other (Explain).

Table with columns: Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity. Includes values 10, 0, 38.4.

Disposition of Gas METHOD OF COMPLETION Production Interval
[] Vented [] Sold [] Used on Lease [] Open Hole [x] Perf. [] Dually Comp. [] Commingled
(If vented, Submit ACO-18.) [] Other (Specify)



ORIGINAL

KCC

CONFIDENTIAL

RECEIVED
DEC 03 2003
KCC WICHITA

KCC
DEC 02 2003
CONFIDENTIAL

#1 Pember 11D
1100' FSL & 660' FEL
Section 11-17S-31W
Scott County, Kansas
API# 15-171-20581
L.D. Drilling, Inc., Rig #1
Field: Kim Shoemaker
Office: Rocky Milford
Elevation: 2,907' GL: 2,912' KB

DRILLING REPORT

RELEASED

MAK

FROM CONFIDENTIAL

Sample Tops

Stone Corral	2267	+645
Massive Anhydrite	2308	+604
B/Anhydrite	2330	+582
Stotler	3532	-620
Topeka	3680	-768
Heebner	3909	-997
Lansing	3945	-1033
Muncie Creek	4124	-1212
Stark	4214	-1302
B/KC	4294	-1382
Marmaton	4335	-1423
Altamont B-1 zone	4366	-1434
Pawnee	4415	-1503
Cherokee	4489	-1577
Johnsonzone	4526	-1614
Miss	4574	-1662
RTD	4630	-1718

CONFIDENTIAL

ORIGINAL

ALLIED CEMENTING CO., INC.

14180

Federal Tax I.D.# ~~XXXXXXXXXX~~ KCC

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

DEC 02 2003

SERVICE POINT:
OAKLEY

DATE <u>9-16-03</u>	SEC. <u>11</u>	TWP. <u>17S</u>	RANGE <u>31W</u>	CALLED OUT <u>CONFIDENTIAL</u>	ON LOCATION <u>3:00 PM</u>	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:15 PM</u>
LEASE <u>Pember 110</u>	WELL # <u>1</u>	LOCATION <u>MANNING 1E-34S</u>		RECEIVED	COUNTY <u>Scott</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR L O DRLG.

TYPE OF JOB Production Stringer

HOLE SIZE 7 7/8" T.D. 4630'

CASING SIZE 5 1/2" DEPTH 4620'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL PORT COLLAR DEPTH 225'

PRES. MAX 1350 PSI MINIMUM 250 PSI

MEAS. LINE _____ SHOE JOINT 43.07

CEMENT LEFT IN CSG. 43.07

PERFS. _____

DISPLACEMENT 109 BBL

OWNER SAME

CEMENT AMOUNT ORDERED

215 SKS 60/40 10% SALT 2% GEL 3/4 OF 1% CO3

500 GAL WFR-2

COMMON	<u>129 SKS</u>	@	<u>7 85</u>	<u>1012</u>	<u>65</u>
POZMIX	<u>86 SKS</u>	@	<u>3 80</u>	<u>326</u>	<u>80</u>
GEL	<u>4 SKS</u>	@	<u>10 00</u>	<u>40</u>	<u>00</u>
CHLORIDE		@			
		@			
SALT	<u>20 SKS</u>	@	<u>7 50</u>	<u>150</u>	<u>00</u>
CO-31	<u>139</u>	@	<u>4 95</u>	<u>618</u>	<u>50</u>
WFR-2	<u>500 GAL</u>	@	<u>1 00</u>	<u>500</u>	<u>00</u>
		@			
HANDLING	<u>215 SKS</u>	@	<u>1 15</u>	<u>247</u>	<u>25</u>
MILEAGE	<u>054 PER SK / MILE</u>			<u>483</u>	<u>25</u>
RECEIVED				TOTAL	<u>3379</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

300 HELPER WAYNE

BULK TRUCK DRIVER LARRY

212

BULK TRUCK DRIVER _____

REMARKS:

MIX 500 GAL WFR-2, PLUG RAT

Hole with 15 SKS CEMENT MIX

200 SKS 60/40 10% SALT 2% GEL

3/4 OF 1% CO-31 DOWN 5 1/2 CASING

+ DISPLACE WITH 109 BBL

PLUG LANDED

FLOAT DEWY HOLD

THANK YOU

KCC WICHITA SERVICE

DEPTH OF JOB	<u>4620'</u>		
PUMP TRUCK CHARGE			<u>1130</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>45 MI</u>	@	<u>3 50</u>
PLUG	<u>5 1/2 Rubber</u>	@	<u>50</u>
		@	
		@	
TOTAL			<u>1337</u>

CHARGE TO: RITCHIE EXPLOR, INC.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	<u>5 1/2'</u>		
1- GUEDE SHOE		@	<u>150</u>
1- AFU INSERT		@	<u>235</u>
6- CENTRALIZERS		@	<u>50 00</u>
1- BASKET		@	<u>128</u>
1- PORT COLLAR		@	<u>1750</u>
TOTAL			<u>2563</u>

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Bennie Dills

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME

