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

Operator: License # 5393  
Name: A.L. Abercrombie, Inc.  
Address 150 N. Main, Ste. 801  
City/State/Zip Wichita, Ks. 67202  
Purchaser: Koch Oil Co.  
Operator Contact Person: Jack K. Wharton  
Phone (316) 262-1841  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: None  
Designate Type of Completion  
\_\_\_\_ New Well \_\_\_\_ Re-Entry X Workover  
X Oil \_\_\_\_ SWD \_\_\_\_ SIOV \_\_\_\_ Temp. Abd.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGV  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: AL Abercrombie Inc  
Well Name: Michaelis #3  
Comp. Date \_\_\_\_\_ Old Total Depth 4758'  
X ABANDONED UPPER ZONE TO PRODUCE NEW DEEPER PAY ZONE  
\_\_\_\_ Deepening \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_ Plug Back \_\_\_\_\_ PBTB  
\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
2-20-95 \_\_\_\_\_ 2-22-95  
\_\_\_\_ Other (SWD or Inj?) Docket No. \_\_\_\_\_

RIGGED UP Date OF START OF WORKOVER 2-20-95 Date Reached TD \_\_\_\_\_ Completion Date OF WORKOVER \_\_\_\_\_

API NO. 15- 109-20,5610001  
County Logan  
E/2 W/2 SW/4 Sec. 15 Twp. 12S Rge. 33 X V  
1320' Feet from G/N (circle one) Line of Section  
990' Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or S (circle one)  
Lease Name Michaelis Well # 3  
Field Name Owen North  
Producing Formation Cherokee (Johnson Zone)  
Elevation: Ground 3092 KB 3097  
Total Depth 4758' PBTB 4690'  
Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet  
Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes \_\_\_\_\_ No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sz cnt.

Drilling Fluid Management Plan REWORK 9 2 7-12-95  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: **RECEIVED**  
KANSAS CORPORATION COMMISSION  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. MAY 10 1995  
\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rge. \_\_\_\_\_  
County \_\_\_\_\_ Docket No. \_\_\_\_\_  
CONSERVATION DIVISION  
WICHITA, KS

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 Jack K. Wharton  
Title Vice Pres Date 5-10-95  
Subscribed and sworn to before me this 10<sup>th</sup> day of May 19 95.  
Notary Public Sandra C. McCaig  
Date Commission Expires 1-31-98  
SANDRA C. McCAIG  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appl. Exp. 1-31-98

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

SIDE TWO

Operator Name A.B. Abercrombie, Inc. Lease Name Michaelis Well # 3  
 Sec. 15 Twp. 12S Rge. 33  East County Logan  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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Johnson Sand</u>	<u>4600</u>	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E.Logs Run:				

See Original ACO-1

CASING RECORD <input type="checkbox"/> New <input 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		8 5/8"	24 #	319'	60/40 Poz	450	
Production		5 1/2"	13.5 #	4758'	Class 'c'	275	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	Removed CIBP @ 4522'	
	Packer set at 4550' producing from Cherokee (Johnson Zone)	
	Perforation at 4603' to 4607' & 4260'-4264' & 4192'-4194' & 4208'-4211' & 4115'-4118'	
	4616' to 4618'	None
	Below packer	

TUBING RECORD	Size 2 3/8	Set At 4555'	Packer At 4550	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
2-24-95				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	110			

Disposition of Gas: N/A METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval 4603' to 4607' 4616' to 4618'

(If vented, submit ACO-18.1)