

16-12-33w  
**COPY** *And*

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

API NO. 15- 109-20,571 *0001*

County Logan

NE - SE - SE Sec. 16 Twp. 12S Rge. 33W XX <sup>E</sup>W

990' Feet from SN (circle one) Line of Section

330' Feet from EW (circle one) Line of Section

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

Lease Name THORN Well # 1

Field Name Owen North Ext.

Producing Formation Lansing-Kansas City & Cherokee

Elevation: Ground 3084' KB 3089'

Total Depth 4735' PBD

Amount of Surface Pipe Set and Cemented at 345.90' Feet

Multiple Stage Cementing Collar Used? XX Yes \_\_\_ No

If yes, show depth set 1737' Feet

If Alternate II completion, cement circulated from 1737'

feet depth to Surface w/ 450 sx cmt.

Drilling Fluid Management Plan REWORK JH 1-26-96  
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 1100 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 5393

Name: A.L. Abercrombie Inc.

Address 150 N. Main Suite 801

City/State/Zip Wichita, Ks. 67202

Purchaser: KOCH OIL CO.

Operator Contact Person: Jerry Langrehr

Phone (316) 262-1841

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist:

Designate Type of Completion  
\_\_\_ New Well \_\_\_ Re-Entry XX Workover

XX Oil \_\_\_ SWD \_\_\_ SIOW \_\_\_ Temp. Abd. \_\_\_  
\_\_\_ Gas \_\_\_ ENHR \_\_\_ SIGW \_\_\_  
\_\_\_ Dry \_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: A.L. Abercrombie, Inc.

Well Name: THORN #1

Comp. Date 1-6-95 Old Total Depth 4735'

\_\_\_ Deepening X Re-perf. \_\_\_ Conv. to Inj/SWD  
\_\_\_ Plug Back \_\_\_ PBD

XX Commingled Docket No. \_\_\_

\_\_\_ Dual Completion Docket No. \_\_\_

\_\_\_ Other (SWD or Inj?) Docket No. \_\_\_

1-11-96 1-24-96 1-24-96  
~~Start~~ Date OF START Date Reached TD Completion Date OF  
Cable Tools WORKOVER

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. Rules 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.

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 Jerry Langrehr, Jerry Langrehr

Title Vice President Date 1-24-96

Subscribed and sworn to before me this 24 day of January, 19 96.

Notary Public Sandra C. McCaig

Commission Expires 1-31-98

STATE OF KANSAS

**K.C.C. OFFICE USE ONLY**

F \_\_\_ Letter of Confidentiality Attached

C \_\_\_ Wireline Log Received 1-24-96

C \_\_\_ Geologist Report Received

Distribution:

✓ KCC \_\_\_ SWD/Rep \_\_\_ MGPA

\_\_\_ KGS \_\_\_ Plug \_\_\_ Other \_\_\_

(Specify)

SANDRA C. McCAIG  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 1-31-98

688-61-01

SIDE TWO

103378

Operator Name A.L. Abercrombie, Inc. Lease Name THORN Well # 1

Sec. 16 Twp. 12 Rge. 33  East County Logan

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 Datums  Sample  
Name Top Datum

List All E.Logs Run:

All logs were forwarded with original ACO-1  
Filed 1-18-95.

CASING RECORD <input checked="" 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	12 1/4"	8 5/8"	23#	345.9'	50/40 pos mix	225 sks	2% gel, 3% CC
Production	7 7/8"	4 1/2"	10.5#	4724.98'	Common 60/40 pos mix	200 sks	CFR 2% gel, 7# gilsonite
		D.V. Tool		1737'	Allied Lite	450 sks	

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
4	4594'-4597'	3'	500 gals, 15% INS	4660'
4	4250' to 4255'		500 gals, 15% INS	4300'
4	4196' to 4200'	4' 4182'-4184'	2' 1500 gals, 15% INS	4230'
8	4105' to 4106'	1'	500 gals, 15% INS	4150'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	4633'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method		
January 6, 1995/ REWORK Jan. 26, 1996.			<input type="checkbox"/> Flowing <input checked="" 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
	80		10		

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-18.)  
METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 4594' to 4597'  
Production Interval: 4105' to 4255'

1-6-95