

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

SIDE ONE

DOGKET NO. NP _____

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

- Letter requesting confidentiality attached.
- Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 5140 EXPIRATION DATE June 30, 1984

OPERATOR Frontier Oil Company API NO. 15-137-20,321

ADDRESS 125 N. Market, Ste 1720 COUNTY Norton

Wichita, Ks. 67202 FIELD (Wildcat)

** CONTACT PERSON Jean Angle PROD. FORMATION N/A
PHONE (316) 263-1201 Indicate if new pay.

PURCHASER N/A LEASE Pakkebier "A"

ADDRESS _____ WELL NO. 1

DRILLING Red Tiger Drilling Company 330 Ft. from South Line and

CONTRACTOR _____ 990 Ft. from East Line of

ADDRESS 125 N. Market, Ste 1720 the NW (Qtr.) SEC 21 TWP 4S RGE 21W (W).
Wichita, Ks. 67202

PLUGGING Allied Cementing Company, Inc. WELL PLAT _____ (Office Use Only)

CONTRACTOR _____ KCC _____
ADDRESS P O Box 31, Russell, Ks. 67665 KGS

TOTAL DEPTH 3673' PBD _____ SWD/REP _____

SPUD DATE 1-11-84 DATE COMPLETED 1-21-84 PLG. _____

ELEV: GR 2152' DF _____ KB 2157' NGPA _____

DRILLED WITH (~~XXXX~~) (ROTARY) (~~XXX~~) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE N/A

Amount of surface pipe set and cemented 277.90' DV Tool Used? No.

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Shut-in Gas, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion _____. NGPA filing _____.

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Jean Angle, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit.

Side TWO

OPERATOR Frontier Oil Company LEASE NAME Pakkebjerg "A" SEC 21 TWP 4S RGE 21W (E) (W)

WELL NO 1

FILL IN WELL INFORMATION AS REQUIRED;

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Show Geological markers, logs run, or other Descriptive information.

Formation description, contents, etc.	Top	Bottom	Name	Depth
<input type="checkbox"/> Check if no Drill Stem Tests Run. <input checked="" type="checkbox"/> Check if samples sent Geological Survey.				
Clay & Shale	-0-	289	Anhydrite	1806 (+ 351)
Shale & Sand sts.	289	1250	Topeka	3170 (-1013)
Shale & Sand	1250	1342	Heebner	3347 (-1190)
Sand	1342	1525	Toronto	3373 (-116)
Red Bed	1525	1806	Lansing	3390 (-1233)
Anhydrite	1806	1832	BKC	3580 (-1423)
Red Bed	1832	2046	Arbuckle	3631 (-1474)
Shale	2046	2340	RTD	3673 (-1516)
Shale & Lime	2340	2960		
Lime	2960	3673		
RTD				
DST 1 (3380-3418) 30-30-30-30 Rec 10'M IF 21-21, FF 21-21, ISI 191, FSI 106.				
DST 2 (3402-3435) 30-30-30-30 Rec 10' M IF 21-21, FF 21-21, ISI 1108 FSI 1108.				
DST 3 (3434-3469) 30-30-30-30 Rec 20'M IF 42-42, FF 42-42, ISI 1192, FSI 1192				
DST 4 (3485-3537) 30-30-30-30 Rec 20'M IF 31-31 FF 31-31 ISI 1181, FSI 1160				
DST 5 (3536-3585) Misrun				
DST 6 (3520-3585) 30-30-30-30 Rec 5'M IF 21-21 FF 31-31 ISI 53 FSI 31.				
(Continued ...)				
If additional space is needed use Page 2				

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Reed)							
Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Secks	Type and percent additives
Surface	12-1/4"	8-5/8"	20#	286'	Common	180	2% gel, 3% cc

N/A LINER RECORD			N/A PERFORATION RECORD		
Top, ft.	Bottom, ft.	Secks cement	Shots per ft.	Size & type	Depth interval
N/A TUBING RECORD					
Size	Setting depth	Pecker set at			

PC

21-4-21W

CONFIDENTIAL

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Frontier Oil Co LEASE NAME Pakkebier "A"
WELL NO. 1.

(E)
SEC 21 TWP 4S RGE 21W (W)

FILL IN WELL INFORMATION AS REQUIRED.

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing & Shut-in pressures, and recoveries.

Show Geological markers, logs run, or Other Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST 7 (3545-3643) 60-30-60-30. Rec 540' WM w/fe spks 0. IF 90-200, FF 261-291. ISI 824 FSI 733.</p> <p>RTD 3673'</p> <p>Plugged.</p>				

FEB 1985

INSTRUCTIONS FOR FILING ACO-1 WELL HISTORY FORMS

When to File - Number of Copies

PLEASE FILL OUT ALL INFORMATION. IF INFORMATION IS NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

ACO-1 Well history forms are required on all wells, regardless of how completed. (Rule 82-3-130)

PRODUCING AND TEMPORARILY ABANDONED WELLS:
(File 2 copies)

OIL WELLS: An oil well shall be considered completed when the first new oil is produced through well head equipment into lease tanks from the producing interval after the production string has been run. For information regarding oil wells, contact Tom Leiker or Elisabeth Wannow.

GAS WELLS: A gas well shall be considered completed when the well is capable of producing gas through well head equipment from the producing zone after the production string has been run. Shut-in gas wells also require 2 copies. For information regarding gas wells, contact Richard Smith or Jim Hemmen.

TEMPORARILY ABANDONED WELLS: For information, contact Duane Rankin.

REQUESTING CONFIDENTIALITY:

Only 1 (ONE) copy of the ACO-1 should be filed with a letter attached for each well on which information is to be held confidential. ALL of the information should be completed on the form. Only information on Side One will be of public record. Side Two will be held confidential. On wells which are Docketed, confidentiality is waived. Plugging forms CP-1 and CP-4 cannot be held confidential.

To order additional forms or request information, call (316) 263-3238.

PLEASE KEEP THIS SHEET FOR REFERENCE.