

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5140
Name Frontier Oil Company
Address 125 N. Market, Ste. 1720
City/State/Zip Wichita, Ks. 67202

Purchaser Koch Oil Company

Operator Contact Person Jean Angle
Phone 316-263-1201

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Joel Alberts
Phone 316-263-1201

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-27-84 10-7-84 10-23-84
Spud Date Date Reached TD Completion Date
3411' PBD
Total Depth

Amount of Surface Pipe Set and Cemented at 280 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1405' feet
If alternate 2 completion, cement circulated
from feet depth to w/SX cmt

API NO. 15-163-22-496-00-00

County Rooks

SE. NE. SW. Sec. 24. Twp. 7S. Rge. 19W. East West

1650 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

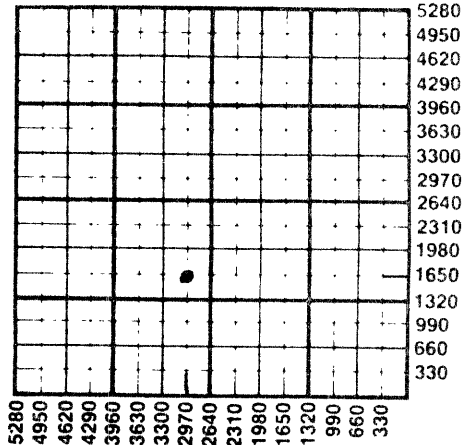
Lease Name Axelson Well # 5

Field Name Axelson

Producing Formation Lansing-KC

Elevation: Ground 1922' KB 1927'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # N/A

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water: Ray Lindquist, Stockton, Ks
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water 3200 Ft North from Southeast Corner (pond) 500 Ft West from Southeast Corner Sec 29 Twp 7S Rge 18 East West
 Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

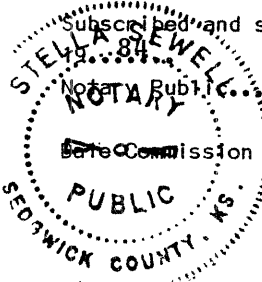
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Jean Angle
Title Agent Date 12-5-84

Subscribed and sworn to before me this 5th day of December 1984

Notary Public Stella Sewell
Commission Expires June 24, 1988

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



12-5-84

Sec. 2, Twp. 7S, Rge. 19W

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SIDE TWO

Operator Name Frontier Oil Company Lease Name Axelson Well # 5

Sec. 24 Twp. 7S Rge. 19W County Rooks

East
 West

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST 1 (2997-3056) 60-30-60-30 wk blo inc to fr both ops. Rec 135'MW (70% SW) IF 58-68 FF 78-107 ISI 1087 FSI 1058

Name	Top	SECTION
Anhydrite	1404	(+ 523)
Howard	2802	(- 875)
Topeka	2862	(- 935)
Heebner	3067	(-1140)
Toronto	3092	(-1165)
Lansing	3107	(-1180)
Base-KC	3328	(-1401)
Arbuckle	3380	(-1453)
RTD	3411	(-1484)

DST 2 (3064-3160) 60-30-60-30 1st op wk blo bldg to blo off btm 2nd op wk blo bldg to btm of bkt 19" Rec 185'O&GCM, 65' SOGW, 130' MW, 250'GIP IF 68-145 FF 165-213 ISI 1069 FSI 943

DST 3 (3157-3189) 30-30-45-45 1st op wk blo 2nd op no blo fl tool no help. Rec 15'M w/OS IF 20-20 FF 29-29 ISI 590 FSI 223

DST 4 (3214-3255) 60-45-60-45 1st op wk blo built to btm of bucket 50" 2nd op wk blo built to btm bkt in 17" Rec 420' GIP, 260' total fl: 85' FO, 175' GCMO no wtr IF 27-68 FF 87-116 ISI 1136 FSI 1116

RELEASED

FEB 7
JAN 17 1986

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/continued ...

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"	20#	285'	Common	170	2% gel. 3% cc
FO Tool				1405'			
Production	7-7/8"	4-1/2"	10-1/2#	3404.08'	Common	250	10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3240' to 3246'			500 gal., 15% regular acid		3240-46'	
4	3260' to 3268'			500 gal., 15% regular acid		3260-68'	
4	3278' to 3286'			500 gal., 15% regular acid		3278-86'	
4	3302' to 3308'			500 gal., 15% regular acid		3302-08'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
10-23-84		<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	Gas	Water	Gas-Oil Ratio		Gravity	
	32 Bbls	N/A MCF	-0- Bbls	N/A CFPB		33.5°	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled

3240-3308

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SIDE TWO (Page Two)

OPERATOR Frontier Oil Company LEASE NAME Axelson #5 SEC. 24 TWP. 7S RGE. 19W

FILL IN WELL LOG AS REQUIRED:

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST 5 (3251-3272) 45-45-45-45 wk blo inc to btm of bkt both ops. Rec 660' GIP, 545' FO, 130' GOCM, IF 35-165 FF 184-252 ISI 1116 FSI 1069</p>				
<p>DST 6 (3271-3290) 60-45-60-45 1st op blo off btm in 20" 2nd op blo off btm in 23 Rec 390' GIP, 405' GO, 95' O&GCM IF 29-126 FF 136-203 ISI 1121 FSI 1087.</p>				
<p>DST 7 (3290-3315) 30-45-30-45 wk stdy blo both ops Rec 90' O&GCM IF 48-48 FF 58-64 ISI 1078 FSI 1039</p>				
<p>DST 8(3313-3330) 30-30-15-30 1st op wk blo 8" 2nd op no blo Rec 10'M w/f 0 spks IF 39-39 FF 39-39 ISI 58 FSI 48</p>				
<p>DST 9 (3383-3395) 60-30-30-30 1st op wk stdy blo 2nd op no blo Rec 40'M 50' MSW IF 39-48 FF 58-58 ISI 475 FSI 339</p>				
<p>RTD 3411'</p>				

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

RELEASED

FEB 07 1986

FROM CONFIDENTIAL

2-7-86

12-8-84

STATE GEOLOGICAL COMMISSION

DEC 10 1984

WICHITA BRANCH

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State Geological Survey WICHITA BRANCH