

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  
Wichita, Ks. 67202  
City/State/Zip

Purchaser N/A

Operator Contact Person Jean Angle  
Phone 316-263-1201

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist Richard D. Parker  
Phone 913-483-5348

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

3-9-85	3-15-85	3-15-85
Spud Date	Date Reached TD	Completion Date
3860'	N/A	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 295 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from.....feet depth to.....w/.....SX cmt

API NO. 15-065-22-157-00-00  
County Graham  
SW.. SW.. SE. Sec. 16. Twp. 6S. Rge. 23W.  East  West

330... Ft North from Southeast Corner of Section  
2310... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

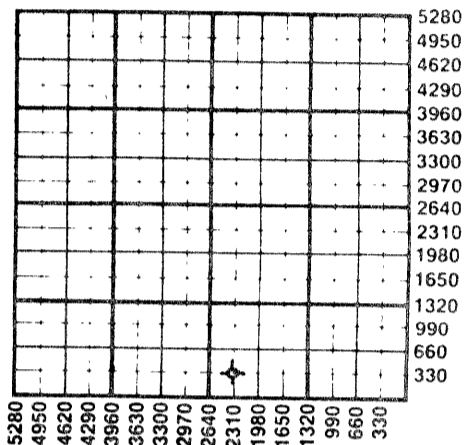
Lease Name Hardman Well # 1

Field Name (Wildcat)

Producing Formation N/A

Elevation: Ground 2391' KB 2396'

Section Plat



WATER SUPPLY INFORMATION

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

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
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 4800 Ft North from Southeast Corner  
(Stream, pond etc) 4700 Ft West from Southeast Corner  
Sec 24 Twp 6S Rge 23  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 3-25-85

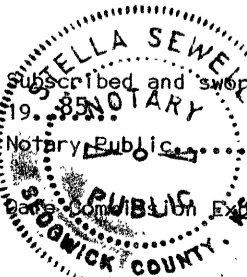
Subscribed and sworn to before me this 25th day of March 1988  
Notary Public Stella Sewell  
Notary Public License Expires June 24, 1988

K.C.C. OFFICE USE ONLY

- Letter of Confidentiality Attached
- Wireline Log Received
- Drillers Timelog Received

Distribution

- KCC
- KGS
- SWD/Rep
- Plug
- NGPA
- Other (Specify)



Sec. 16, Twp. 6S, Rge. 23W

# CONFIDENTIAL

SIDE TWO

Operator Name Frontier Oil Company Lease Name Hardman Well # 1

Sec. 16 Twp. 6S Rge. 23W  East  West County Graham

## 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. *NOT LOGGED*.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST 1 (3672-3710) 15-30-60-30 1st op no blo  
 fl tool no help 2nd op wk inc to gd blo 6"  
 Rec 190' MSW IF 50-50 FF 60-111 ISI 1336  
 FSI 1316.

Plugged.

Name	Top	<del>Bottom</del>
Anhydrite	2066	(+ 330)
Topeka	3399	(-1003)
Heebner	3612	(-1216)
Toronto	3639	(-1243)
Lansing	3658	(-1262)
Base KC	3843	(-1447)
RID	3860	(-1464)

RELEASED

7-15-86  
 JUL 15 1986

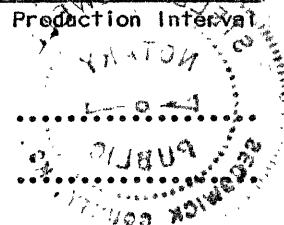
FROM CONFIDENTIAL

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%.....	295'.....	..common..	.200...	.2% gel. 3% cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
N/A	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production				Producing Method			
N/A				<input type="checkbox"/> Flowing <input 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	
N/A		Bbls	MCF	Bbls	CFPB		

### METHOD OF COMPLETION

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....

Used on Lease  Dually Completed  Commingled



# CONFIDENTIAL