

Ind 3/26/85
6-15-86
Kce
16-6-23W

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 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

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

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

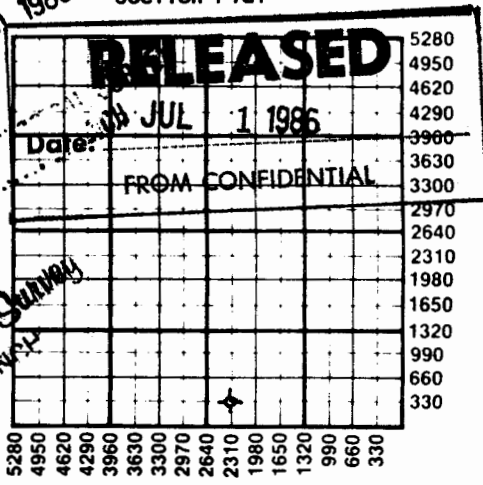
Lease Name Hardman Well # 1

Field Name (Wildcat)

Producing Formation N/A

Elevation: Ground 2391' 2396' KB

JUL 1 1986
APR 1 1985
State Geological Survey
WICHITA BRANCP



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

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. On completion of this form, a well log shall be attached with this form. Submit CR-4 form with

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	Depth
Anhydrite	2066	(+ 330)
Topeka	3399	(-1003)
Heebner	3612	(-1216)
Toronto	3639	(-1243)
Lansing	3658	(-1262)
Base KC	3843	(-1447)
RTD	3860	(-1464)

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
.....
.....
.....
.....
N/A	PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
.....
.....
.....
.....
TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		