

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, Kansas .. 67202
City/State/Zip

Purchaser .. N/A

Operator Contact Person Jean Angle
Phone .. 316-263-1201

Contractor: License # .. 5302
Name . Red Tiger Drilling Co

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

Designate Type of Completion
 New Well Re-Entry Workover
 ~~Oil~~ Plugged 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

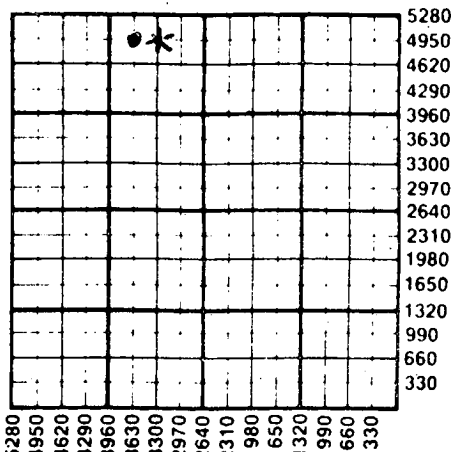
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2-06-88 2-13-88 2-13-88
Spud Date Date Reached TD Completion Date
3887 N/A
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 219 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
Cement Company Name
Invoice #

API NO. 15-..... 195-21,962-00-00
County..... Trego 4
NW, NE, NW Sec. 12 Twp. 11S. Rge. 23W East West
4950 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name..... Howat Well #..... 1
Field Name..... Ninemire Ext
Producing Formation..... N/A
Elevation: Ground..... 2245 KB..... 2250

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

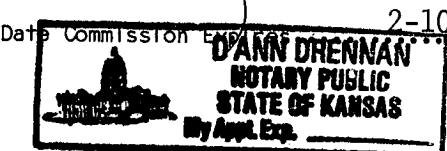
Source of Water:
Division of Water Resources Permit #.... 88-66
 Groundwater..... Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water 300 .. Ft North from Southeast Corner
(Stream, pond etc) 5100 .. Ft West from Southeast Corner
Sec 8 Twp 11 Rge 22W East West
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 for 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 .. 3-1-88

Subscribed and sworn to before me this 1st day of March 1988
Notary Public *D. Ann Drennan*



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

Stamp: KANSAS CORPORATION COMMISSION, OIL & GAS CONSERVATION DIVISION, 3-2-1988

Vertical stamp: Sec. 12 Twp. 11 S. Rge. 23 W.

SIDE TWO

Operator Name Frontier Oil Company Lease Name Howat Well # 1

Sec 12 Twp 11 Rge 23 East West County Trego

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. (No log run)

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

Formation Description
 Log Sample

DAT# (3664-3705) 30-30-30-30
 1st op - wi blo 20" 2nd op - no blo
 Rec. 10' M IF & FF 72-72 ISIP 93
 FSIP 93

Name	Top	Bottom
Anhydrite	1733	+ 517
Topeka	3260	-1010
Heebner	3479	-1229
Toronto	3503	-1253
Lansing-Kansas City	3519	-1269
Base of Kansas	3744	-1494
Marmaton	3843	-1593
RTD	3887	-1637

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#	219'	60-40 poz	145	3% gel, 3% c.c.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
N/A							
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production				Producing Method <input type="checkbox"/> Flowing <input 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 CFPB
N/A							

METHOD OF COMPLETION

Production Interval

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

N/A