

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

Operator Contact Person Jean Angle
Phone 316-263-1201

Contractor: license # 5302
name Red Tiger Drilling Company

Wellsite Geologist Steven D. Angle
Phone 913-628-2586

PURCHASER Koch Oil Company

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

6-2-84 6-14-84 7-5-84
Spud Date Date Reached TD Completion Date

3785' N/A
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 219.35' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set 1673' feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-163-22,397-00-00

County Rooks

SW SE NW Sec 8 Twp 9S Rge 20W

2970 Ft North from Southeast Corner of Sect
3630 Ft West from Southeast Corner of Sect
(Note: locate well in section plat below)

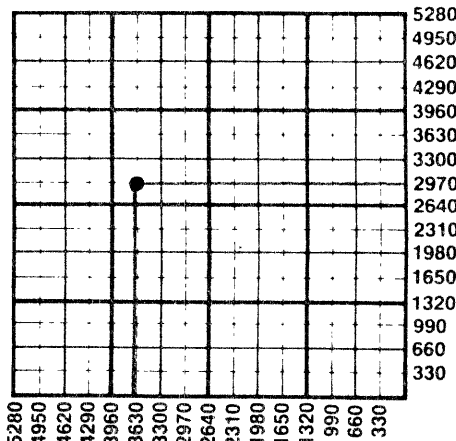
Lease Name Thyfault Well# 1

Field Name Arpin So

Producing Formation Arbuckle

Elevation: Ground 2172' KB 2177'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner (Well) Ft West From Southeast Corner Sec Twp Rge East West

Surface Water Ft North From Southeast Corner (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West

Other (explain) Purchased/Irene Thyfault, Damar, (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket # Pending #3 Thyfault SWDW

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. Rules 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 82-3-10 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 statement herein are complete and correct to the best of my knowledge.

Signature Jean Angle Title Agent Date 7-25-84

Subscribed and sworn to before me this 25th day of July 19 84

Notary Public Stella Sewell Date Commission Expires June 24, 1988



RECEIVED STATE CORPORATION COMMISSION JUL 26 1984 CONSERVATION DIVISION Wichita, Kansas

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

Form ACO-1 (7-84)

Sec. 8 Twp. 9 Rge. 20W

Operator Name Frontier Oil Company ... Lease No Thyfault .. Well# 1 .. SEC 8 ... TWP 9S ... RGE 20W ..

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

DST 1 (3329-3409) 60-30-60-30 Strg blo Rec 870' MSW.
 Press not recorded.

DST 2 (3409-3470) 60-30-60-30 wk to fr blo Rec 180'
 GOSpk M IF 31-51 FF 62-82 ISI 931 FSI 929.

DST 3 (3466-3499) 60-30-60-30 wk to strg blo Rec 1000'
 WM IF 51-165 FF 165-207 ISI 1034 FSI 1034

DST 4 (3534-3568) 60-30 15-30 wk blo both ops Rec 5'M
 All press 20#.

DST 5 (3558-3625) 30-30-30-30 wk blo 1st op no blo 2nd
 op Rec 5'M IF 62-62 FF 62-62 ISI 207 FSI 103

DST 6 (3678-3707) 30-30-30-30 wk blo Rec 15' OSpkM
 IF 20-30 FF 30-30 ISI 207 FSI 103.

DST 7 (3707-3717) 60-30-60-30 wk blo TO Rec 64' HO&GCM
 IF 20-20 FF 20-40 ISI 89 FSI 410.

DST 8 (3715-3725) 60-30-60-30 wk to strg blo Rec 60' GIP
 255' Free Gsy O IF 20-103 FF 103-145 ISI 518 FSI 518

DST 9 (3725-3735) 60-30-60-30 wk to strg blo Rec 282'
 CI O, 285' GMCO IF 52-104 FF 155-228 ISI 560 FSI 539

DST 10 (3735-3745) 60-30-60-30 strg blo Rec 1255'SW
 IF 414-550 FF 621-621 ISI 621 FSI 621.
 RTD 3785'

Name	Formation Description	
	Top	Bottom
Anhydrite	1658	1698
Topeka	3171	
Heebner	3375	
Toronto	3395	
Lansing	3415	
Base Kansas City		3632
Conglomerate	3658	
Arbuckle	3698	
RTD	3785	

RELEASED
AUG 12 1985
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"	24#	226.70'	Common	160	2% gel 3% cc
Production	7-7/8"	5-1/2"	14#	3784'	Common	200	10% Salt
DV	7-7/8"	5-1/2"	14#	1673'	50-50 Poz	500	6% gel

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	3716 - 3732'	250 gal, 15% INS acid	

TUBING RECORD size 2-3/8" set at 3703' packer at N/A		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production 7-5-84	Producing method <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
	20 Bbls	N/A MCF	108 Bbls
			Gas-Oil Ratio N/A
			Gravity CFPB

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION
 open hole perforation other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL
 3716-3732'