

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

✓ Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5140 EXPIRATION DATE 6-30-83
OPERATOR Frontier Oil Company API NO. 15-165-21,060 -00-00

ADDRESS 1720 KSB & T Bldg. COUNTY Rush
Wichita, KS 67202 FIELD ASICHEL

** CONTACT PERSON Jean Stocks PROD. FORMATION
PHONE (316) 263-1201

PURCHASER K N Energy, Inc. LEASE Pfeifer "B"

ADDRESS 205 "F" Street, Phillipsburg, Ks. 67661. WELL NO. 1

DRILLING Red Tiger Drilling Company WELL LOCATION C SW SW

CONTRACTOR 660 Ft. from South Line and

ADDRESS 1720 KSB & T Bldg. 660 Ft. from West Line of

Wichita, KS 67202 the SW (Qtr.) SEC 8 TWP 16S RGE 17W.

PLUGGING n/a WELL PLAT

CONTRACTOR (Office Use Only)

ADDRESS KCC ✓

TOTAL DEPTH 3600' PBTB KGS ✓

SPUD DATE 1-6-83 DATE COMPLETED 3-9-83. SWD/REP

ELEV: GR 1997 DF 1999 KB 2002 PLG.

DRILLED WITH ~~(CABLE)~~ (ROTARY) ~~(KXX)~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 1118.94' DV Tool Used?

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

AFFIDAVIT

George A. Angle, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

SUBSCRIBED AND SWORN TO BEFORE ME this 7th day of April, 1983.

MY COMMISSION EXPIRES: 2/10/86

** The person who can be reached by phone regarding any questions concerning this information.

MAY 03 1983
05-03-1983
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

15-165-21060-00-00

OPERATOR Frontier Oil Company

LEASE #1 Pfeifer "B"

ACO-1 WELL HISTORY

SEC. 8 TWP. 16S RGE. 17W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cased intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Surface	0	350	ANHY (TOP)	1115 (+ 887)
Shale	350	447	ANHY (BASE)	1155 (+ 847)
Iron Pyrite	447	455	HERR	1917 (+ 85)
Shale	455	1115	WINF	1955 (+ 47)
Anhydrite	1115	1155	COTTNW	2370 (- 368)
Shale	1155	1810	NEVA	2436 (- 434)
Shale & Lime	1810	2005	RED EAGLE	2508 (- 506)
Shale	2005	2315	BRNV	2645 (- 643)
Shale & Lime	2315	2576	TARKIO	2752 (- 750)
Lime & Shale	2576	2670	HOWARD	2930 (- 928)
Shale & Lime	2670	2820	TOPEKA	2986 (- 984)
Lime & Shale	2820	2975	HEEBN	3213 (-1211)
Lime	2975	3591	TORONTO	3233 (-1231)
Quartz	3591	3600	LANS-SC	3267 (-1265)
RTD		3600	BASE OF KC	3491 (-1489)
			CTY CONG	3520 (-1518)
			ARB DOLO	3546 (-1544)
			QUARTZ	3556 (-1554)
			RTD	3600 (-1598)
			4 1/2" CASING	3599 (-1597)
DST #1 30-60-30-60 Rec 315' WM IF 311-331 FF 383-394 ISI 383 FSI 394	1902	2032		
DST #2 60-30-60-30 fair blo both ops Rec 250' WM IF 228-248 FF 269-269 ISI 497 FSI 466	2346	2460		
DST #3 30-30-30-30 Rec 70' WM IF 186-186 FF 207-217 ISI 621 FSI 590	2440	2576		
DST #4 90-30-20-30 GTS in 10" In 45" - 875' MCF, In 60" - 874' MCF, in 90" - 874 MCF blowing watery mud 2nd opn in 20" - 1,300,000 CF IF 518- 518 FF 466-446 ISI 693 FSI 642	2650	2820		

Report of all strings set—surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs./ft.	Setting depth	Type cement	Socks	Type and percent additives
Surface	12 1/4"	8-5/8"	24#	1126'	Common	450 sx	2% Gel., 2% C.C.
Production	7-7/8"	4 1/2"	10.5#	3599'	Common	275 sx	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			2	D.P.'s	3540-3541
TUBING RECORD			4	D.P.'s	2746-2754
Size	Setting depth	Packer set at	4	D.P.'s	2716-2720

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal., 15% INS acid	2746-2754
250 gal., 15% INS acid	2716-2720

Date of first production 3/09/83	Producing method (flowing, pumping, gas lift, etc.) flowing	Gravity
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF
	30	0 %
Disposition of gas (vented, used on lease or sold)	Water bbls.	Gas-oil ratio C/PB
Perforations 2716-20		

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Frontier Oil Company LEASE NAME #1 Pfeifer "B" # SEC. 8 TWP. 16S RGE. 17W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #5 Wk blo TO Rec 5' M IF 82-93 ISI 124 30-30	2886	2975		
DST #6 30-30-30-30 1st opn wk blo 20" 2nd opn wk blo TO Rec 10' M Press not readable	2970	3015		
DST #7 60-30-30-30 Rec 600' GIP, 20' SGCM 70' SGCM IF 72-72 FF 72-82 ISI 414 FSI 477	3146	3165		
DST #8 60-30-60-30 Rec 400' GWM IF 34-186 FF 207-238 ISI 559 FSI 590	3211	3353		
DST #9 60-30-60-30 Rec 270' SO & GCMIF 248-414 FF 414-414 ISI 787 FSI 688	3350	3490		
DST #10 30-30-30-30 Rec 30' M IF 62-82 FF 82-82. ISI 207 FSI 108	3434	3490		
DST #11 60-30-60-30 stg blo Rec 2400' SGsy SW GTS on 1st opn - TSTM IF 207-720 FF 809-829 ISI 1054 FSI 1054	3490	3554		