

TYPE

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.
X 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.

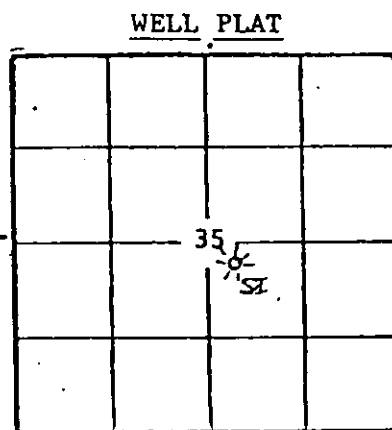
X Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5140 EXPIRATION DATE 6/30/83
OPERATOR Frontier Oil Company API NO. 15-165-21,036-0000
ADDRESS 1720 KSB & T Bldg. COUNTY Rush
Wichita, KS 67202 FIELD Wildcat LIEBENTHAL, So.
** CONTACT PERSON Jean Stocks PROD. FORMATION Wabaunsee
PHONE (316) 261-1201

PURCHASER Koch Oil Company LEASE Herrman "A"
ADDRESS P.O. Box 2256 WELL NO. 1
Wichita, KS 67201 WELL LOCATION NW NW SE

DRILLING Red Tiger Drilling Company 330 Ft. from North Line and
CONTRACTOR 330 Ft. from West Line of
ADDRESS 1720 KSB & T Bldg. the SE (Qtr.) SEC 35 TWP 16 S RGE 18 W.
Wichita, KS 67202

PLUGGING N/A
CONTRACTOR
ADDRESS



(Office Use Only)
KCC
KGS
SWD/REP
PLG.

TOTAL DEPTH 3684' PBD 2830'
SPUD DATE 10-27-82 DATE COMPLETED 12-25-82
ELEV: GR 2092 DF 2095 KB 2097

DRILLED WITH (XXX) (ROTARY) XXX TOOLS.
DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 1206' DV Tool Used? No

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.

Signature of George A. Angle (Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 31st day of December, 1982.



Signature of Sally Andrews (NOTARY PUBLIC)

MY COMMISSION EXPIRES: 10-21-86

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

RECEIVED STATE CORPORATION COMMISSION

OCT 16 1984 10-16-84 CONSERVATION DIVISION Wichita, Kansas

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
Surface Soil & Shale	0	589	Anhy	1205-1260 (+ 89)
Sand	589	874	Herr	2015 (+ 8)
Shale & Sand	874	1135	Winf	2050 (+ 4)
Red Bed	1135	1205	Ft R	2208 (- 11)
Anhydrite	1205	1260	B Flor	2293 (- 19)
Shale	1260	1925	Wref	2347 (- 25)
Shale & Lime	1925	2110	Crouse	2388 (- 29)
Lime	2110	2120	Bader	2414 (- 31)
Shale & Lime	2120	2370	Cttwd	2457 (- 36)
Lime	2370	2505	Neva	2516 (- 41)
Lime & Shale	2505	2580	Rd Eag	2590 (- 49)
Lime	2580	2666	Brnv	2744 (- 64)
Lime & Shale	2666	2795	Tark	2854 (- 75)
Lime	2795	2965	How	3037 (- 94)
Lime & Shale	2965	3070	Top	3092 (- 99)
Lime	3070	3112	Heeb	3332 (-123)
Lime & Shale	3112	3225	Tor	3350 (-125)
Lime	3225	3630	Lans	3382 (-128)
Lime & Conglomerate	3630	3680	Base of KC	3599 (-150)
RTD		3680	Granite	
DST #1	2020	2110	Wash	2670 (-157)
60-30-60-30. 1st opn wk inc to fair blo 2nd opn wk blo Rec 190' SGCWM IF 81-122 FF 142-163 ISI 468 FSI 457			RTD	3684 (-158)
			4 1/2" @	3683 (-158)
DST #2	2422	2540		
60-30-30-30 1st opn vy wk blo 2nd opn ho blo Rec 135" M IF 124-166 FF plugged ISI 808 severe plugging action 1st opn Plugged 2nd opn				

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.E.)	Weight lbs/ft.	Setting depth	Type cement	Socks	Type and percent additives
Surface	12 1/4"	8-5/8"	24#	1213'	Common	425 sx	2% Gel., 3% C.C.
Production	7-7/8"	4 1/2"	10.5#	3683'	Common	275 sx	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			4	DP's	2656-60
			4	DP's	2856-60
			4	DP's	2811-14

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 Gal., 15% INS Acid	2656-60
500 Gal., 15% Reg. Acid	2856-60
250 Gal., 15% Reg. Acid	2811-14
Date of first production <u>7-13-84</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Flowing</u>
Rate of production per 24 hours	Gravity
Oil --- bbls.	Gas 205.3-- MCF
Water %	2 bbls.
Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold): <u>Sold</u>	Perforations 2656-60
	2856-60
	2811-14

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 Wichita Kansas

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Frontier Oil Company LEASE NAME #1 Herrman "A" SEC. 35 TWP. 16S RGE. 18W

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 #3 30-30-30-30 vy wk blo both opns Rec 70' WM IF 104-125 FF 125-145 ISI 829 FSI 808	2534	2666		
DST #4 60-60-60-60 1st opn GTS in 13" Gauged thru 2" pipe 2nd opn gauged thru 1" pipe 15" - 175,000 Rec 1130" VHCCM IF 270-270 FF 270-290 ISI 932 FSI 932 1st opn gas stab @ 140,000 CFGPD 2nd op did not stab	2754	2916		
DST #5 split test 30-30-30-30 1st opn vy wk blo dead 3" flushed tool 2nd opn no blo Rec 275' M IF 207-518 FF 217- 404 ISI 849 FSI 807	2861	2916		
DST #6 60-30-60-30 1st opn fair dec to wk blo 2nd opn vy wk blo Rec 868' fluid, 610' GSW, 258' MSW IF 124-353 FF 394-456 ISI 932 FSI 932	3082	3112		
DST #7 30-30-30-30 1st opn vy wk blo TO 2nd opn vy wk blo dead in 10" Rec 75' WCM IF 103-114 FF 114-134 ISI 1065 FSI 1055	3222	3320		
DST #8 60-30-30-30 1st opn wk blo dec dead in 40" 2nd opn no blo Rec 60' M IF 93-103 FF 103-103 ISI 890 FSI 900	3328	3416		
DST #9 30-30-30-30 1st opn wk dec to vy wk blo 2nd opn no blo Rec 75' M w/ slight trace of gas IF 73-83 FF 93- 93 ISI 1045 FSI 1014	3416	3463		
DST #10 60-30-60-30 1st opn wk blo dec to vy wk blo 2nd opn no blo Rec 60' DM IF 114-124 FF 124-124 ISI 808 FSI 550	3456	3555		
DST #11 28' Anchor intervals. 60-30-60-30 1st and 2nd opns both fair blo through- out Rec 270' SCCMW IF 73-135 FF 166-207 ISI 176 FSI 415	3550	3578		
DST #12 60-30-60-30 1st opn fair blo inc to gd 2nd opn gd blo dec to fair Rec 150' Vy Slightly OGCM IF 114-124 FF 135-145 FF 249 FSI 228	3576	3684		

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CONSERVATION DIVISION
WELL LOGS