

TYPE

SIDE ONE

(Rules 82-3-130 and 82-3-107)

DOCKET NO. NP _____

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F ☒ Letter requesting confidentiality attached.

C ☒ Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 5140. EXPIRATION DATE 6-30-84
OPERATOR Frontier Oil Company API NO. 15-165-21,159-0000
ADDRESS 125 N. Market, Ste 1720. COUNTY Rush
Wichita, Ks. 67202 FIELD (Wildcat)
** CONTACT PERSON Jean Angle PROD. FORMATION Granite Wash
PHONE (316) 263-1201 ☒ Indicate if new pay.
PURCHASER _____ LEASE Hartman "C"
ADDRESS _____ WELL NO. 1
WELL LOCATION NE NE NW
DRILLING Red Tiger Drilling Company 330Ft. from North Line and
CONTRACTOR 125 N. Market, Ste 1720 330Ft. from East Line of (E)
ADDRESS Wichita, Ks. 67202 the NW (Qtr.) SEC 2 TWP 18SRGE 16WW
PLUGGING N/A WELL PLAT (Office Use Only)
CONTRACTOR _____

	*		
		2.	

 KCC _____
ADDRESS _____ KGS _____
TOTAL DEPTH 3590' PSTD N/A SWD/REP _____
SPUD DATE 12-11-83 DATE COMPLETED 05-29-84 PLG. _____
ELEV: GR 2017' DF _____ KB 2022' NGPA _____
DRILLED WITH (~~CRACK~~) (ROTARY) (~~CRACK~~) TOOLS.
DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING
USED TO DISPOSE OF WATER FROM THIS LEASE _____

Amount of surface pipe set and cemented 1048.20' DV Tool Used? Yes

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil X ~~CRACK~~ Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion _____. NGPA filing _____

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

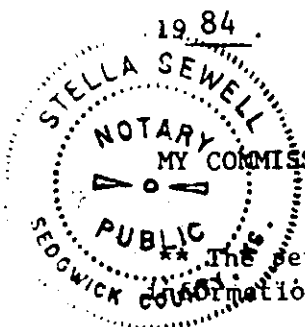
A F F I D A V I T

Jean 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.

Jean Angle
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 25th day of April, 1984.



MY COMMISSION EXPIRES: June 24, 1984

Stella Sewell
(NOTARY PUBLIC)

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

UPDATED COPY - 6-12-84

RECEIVED
STATE CORPORATION COMMISSION
JUN 13 1984
6-13-84
CONSERVATION DIVISION
Wichita, Kansas

Side TWO
OPERATOR

Frontier Oil Company

LEASE NAME

Hartman "C" #1

SEC 2

TWP 18S RGE 16W

(E)

(W)

WELL NO 1

FILL IN WELL INFORMATION 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
Check if no Drill Stem Tests Run. ☒ Check if samples sent Geological Survey.	-0-	230	Post Rock -Shale	
DST 1 (1858-2020) 60-30-60-30 wk to gd blo TO 1st op. Wk to fair blo TO 2nd op. Rec 500' MW. IF 57-185, FF 219-289, ISI 451 FSI 451.	230	417	Shale	
	417	421	Iron Pirite	
	421	490	Shale	
	490	585	Sand	
	585	1051	Shale	
	1051	1086	Anhydrite	
	1086	1635	Shale	
DST 2 (2296-2510) 60-30-60-30 GTS 16". Avg gg 1st op 63,500 CFGPD. Avg gg 2nd op 107,500 CFGPD. Rec 745' frothy,gsyM IF 81-196, FF 219-289, ISI 711 FSI 689	1635	2510	Shale & Lime	
	2510	2800	Lime	
	2800	2820	Lime & Shale	
	2820	3537	Lime	
	3537	3590	Granite Wash	
DST 3 (2627-2800) 60-30-60-30. wk to strg blo in 35" on 1st op. Strg blo TO on 2nd op. Rec 290' GIP, 80' GCM. IF 46-57, FF 69-69, ISI 127, FSI 324.		3590.	RTD	
	LOG TOPS		Drillers Log	
DST 4 (2968-3010) 60-30-60-30. strg blo in 10" 1st op. GTS 1" on 2nd op. Avg gg 2,232 CFGPD. Rec 30' GCM IF 46-46 FF 46-46 ISI 880 FSI 914.	Winfield	1912(+110)	Anhydrite	1051 (+ 971)
	Neva	2388(-366)	Herrington	1874 (+ 148)
	Topeka	2984(-962)	Winfield	1912 (+ 110)
	Lansing	3278-1256	Ft. Riley	2066 (- 44)
	GranWsh	3522-1500	Cottonwood	2326 (- 304)
	LTD	3592.	Neva	2390 (- 368)
			Brownville Im	2617 (- 595)
DST 5 (3088-3216) 60-30-60-30 wk to fr blo 1st op. Fr blo TO 2nd op. Rec 290' WM. IF 57-138 FF 162-208, ISI 846 FSI 824			Tarkio Lime	2724 (- 702)
			Elmont Lime	2781 (- 759)
			Topeka	2984 (- 962)
			Heebner	3222 (-1200)
			Toronto	3239 (-1217)
DST 6 (3220-3290) 60-30-60-30 Vy wk blo 1st op. No blo 2nd op. Rec 10'M. IF 34-46. FF 46-46. ISI 243 FSI 138.			Lansing-KC	3274 (-1252)
			Base-KC	3511 (-1489)
			Reagan Sand-	3514 (-1492)
			Granite Wash	3527 (-1505)
			RTD	3590 (-1568)
/ continued ...				
If additional space is needed use Page 2				

Report of all strings set — surface, intermediate, production, etc.

CASING RECORD (New) 020605000

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24#	1056'	60-40 poz	450	2% gel 3% cc
RELEASED							
JUN 10 1985							
FROM CONFIDENTIAL							

RELEASED

JUN 1 1985

Date:

FROM CONFIDENTIAL

LINER RECORD				PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval	
N/A			2	DPs	3524-3538'	
TUBING RECORD						
Size	Setting depth	Packer set at				
N/A						

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal 7½% FE Acid, 750 gal 7½% FE acid w/15 perf balls @ 1 ball per bbl.	3524-3538'

Date of first production 05-29-84	Producing method (flowing, pumping, gas lift, etc.) Flowing	Gravity
Estimated Production-L.P. N/A	Gas 90. MCF	Water Trace
Direction of gas treated, used on lease or sold: Sold.	Gas-oil ratio N/A	Perforations 3524-3538'

CONFIDENTIAL

UPDATED COPY -6-12-84

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Frontier Oil Co. LEASE NAME Hartman "C"
WELL NO. 1SEC 2 TWP 18S RGE 16W (E)
(W)

FILL IN WELL INFORMATION 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 &
Shut-in pressures, and recoveries.Show Geological markers,
logs run, or Other
Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST 7 (3290-3339) 60-30-60-30 Strg blo GTS 30" TSIM. Gas TSIM 2nd op. Rec 65' GCM. IF 46-46 FF 46-46 ISI 981 FSI 959				
DST 8 (3339 - 3410) 60-30-60-30 Wk to gd blo TO. Rec 300' GIP, 380' GCM. IF 64-144, FF 177-257, ISI 935, FSI 870.				
DST 9 (3410-3480) 60-30-60-30 GTS 2". Avg gg 1st op 453,000 CFGPD Avg gg 2nd op 464,000 CFGPD. Rec 65' GCM. IF 185-150, FF 162-150, ISI 1139, FSI 1117.				
DST 10 (3440-3480) 60-30-60-30. Wk blo TO. 1st op. Wk to vy wk 2nd op. Died in 20". Rec 20' M. IF 57-57 FF 57-57 ISI 57 FSI 57.				
DST 11 (3480-3512) 60-30-60-30 Strg blo TO. 1st op. Strg blo GTS 1" TSIM 2nd op. Rec 20'M. IF 61-61 FF 61-61 ISI 848 FSI 649				
DST 12 (3512-3522) 15-30-15-30 Wk blo 4" Died 1st op. No blo 2nd op. Rec 10'M. IF 51-51 FF 51-51 ISI 61 FSI 51.				
DST 13 (3512-3537) 60-30-60-30 Vy strg blo GTS 45" TSIM 1st op. Gas TSIM 2nd op. Rec. 60'M. IF 51-51 FF 51-51 ISI 1007 FSI 1007.				
RTD 3590'				

RELEASED

JUN 10 1985

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RELEASED

Date: JUN 1 1985

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