

21-17-13W P1

★ AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY
Compt. _____

State Geological Survey
WICHITA BRANCH

TYPE
SIDE ONE

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

DOCKET NO. NP _____

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 # 5640 EXPIRATION DATE 6-30-84

OPERATOR Allen Oil Company API NO. 15-009-23.274

ADDRESS Box 1389 COUNTY Barton
Great Bend, Kansas 67530 FIELD Trapp

** CONTACT PERSON Doug Hoisington PROD. FORMATION Arbuckle
PHONE 316-793-5681 _____ Indicate if new pay.

PURCHASER National Cooperative Refinery A. LEASE Soderstrom

ADDRESS P.O. Box 1167 WELL NO. 8
McPherson, KS 67460 WELL LOCATION 35' E of SE SW NW

DRILLING Allen Drilling Company 2310 Ft. from north Line and
CONTRACTOR Box 1389 990 Ft. from west Line of (K)
ADDRESS Great Bend, Kansas 67530 the NW (Qtr.) SEC 21 TWP 17 RGE 13 (W).

PLUGGING N/A WELL PLAT (Office Use Only)
CONTRACTOR _____ KCC _____
ADDRESS _____ KGS
SWD/REP _____
PLG. _____
NGPA _____

TOTAL DEPTH 3525' PBDT 3473'

SPUD DATE 9-20-83 DATE COMPLETED 11/2/83

ELEV: GR 1975' DF 1977' KB 1980'

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

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

Amount of surface pipe set and cemented 925' DV Tool Used? none.

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil Shut-in Gas, 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

DOUG HOISINGTON, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit.

WEL - 71 - 12

23424

ACO-1 Well History

Side TWO

OPERATOR Allen Oil Company LEASE NAME Soderstrom SEC 21 TWP 17 RGE 13

WELL NO 8

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
<p>Check if no Drill Stem Tests Run. Check if samples sent Geological Survey. ENEREX, Randy Lilak, geologist</p>				
Anhydrite		917		
Base Anhydrite		938		
Topeka		2855		
Heebner	2855	3135		
Toronto	3135	3153		
Brown Lime	3153	3221		
Lansing KC	3221	3232		
Arbuckle	3232	3452		
Rotary total depth		3524		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal NE	3360-06'
1000 gal 20% SGA 250 gal 15% MCA	3463-06' & 3452-57'

Date of first production <u>11-3-83</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>	Gravity <u>NA</u>
Estimated Production-I.P. <u>32</u> OH	Gas <u>negligible</u> MCF	Water <u>0</u> bbls.
Disposition of gas (vented, used on lease or sold) <u>Used on lease</u>		Gas-oil ratio <u>NA</u> CFR
Perforations see above		

If additional space is needed use Page 2

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	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	23#	932'	50/50 Poz	400 sks	2% Gel, 3% CC
Production	7-7/8"	5-1/2"	15.5#	3524'	Poz	150 sks	18% Salt, .75% CFR 20 bbl salt pre-flush

None LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3463-66
TUBING RECORD			2		3452-57
Size	Setting depth	Pecker set of	2		3300-06'
2-7/8"	3340'	none			

OPERATOR ALLEN OIL COMPANY LEASE NAME SODERSTROM SEC. 21 TWP. 17 RGE. 13

FILL IN WELL LOG AS REQUIRED: #8 well

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
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State Geological Survey
WICHITA BRANCH

Four drill stem tests were run by ARROW TESTING COMPANY.

DST #1: 3226-3280 (Rotary) 3224-3278 (Log): LANSING-KC 'A' - 'C' zones (0-46)
 BLOW: Slow build to off bottom of bucket.
 INTERVALS (times): Open 45", Shut-in 45", Open 60", Shut-in 60"
 RECOVERED: 240 feet of muddy water with scum of oil on top.
 SHUT-IN PRESSURES: 363-363 (SI curves were staggered, 2 zones contributed)
 FLOW PRESSURES: 56-102/125-136
 HYDROSTATIC PRESSURE: 1756

DST #2: 3301-3315 (Rotary) 3298-3312 (Log): LANSING-KC 'G' zone (66-80)
 BLOW: Quick build to off bottom of bucket.
 INTERVALS (times): Open 15", Shut-in 45", Open 60", Shut-in 60"
 RECOVERED: 1490 feet of gas in pipe
 100 feet of clean, gassy oil
 20 feet of muddy oil
 70 feet of muddy water
 190 feet of total fluid
 SHUT-IN PRESSURES: 522-500 (4% drop)
 FLOW PRESSURES: 45-34/56-79
 HYDROSTATIC PRESSURE: 1742

DST #3: 3449-3470 (Rotary) 3445-3466 (Log) Arbuckle: 0-14 to -1485
 BLOW: Very weak blow
 INTERVALS (times) Open 60", Shut-in 60", Open 60", Shut-in 60"
 RECOVERED: 10 feet of muddy oil
 60 feet of oil cut mud
 70 feet of total fluid
 SHUT-IN PRESSURES: 837-759 (9% Drop, pressures still building)
 FLOW PRESSURES: 45-22/56-34
 HYDROSTATIC PRESSURE: 1842
 BOTTOM HOLE TEMP.: 110°

DST #4 3464-3478 (Rotary) 3462-3476 (Log) Arbuckle: 10-24 to -1495
 BLOW: Weak blow
 INTERVALS (times) Open 45", Shut-in 45", Open 60", Shut-in 60"
 RECOVERED: 30 feet of oil cut mud
 60 feet of slightly oil cut muddy water
 90 feet of total fluid
 SHUT-IN PRESSURES: 860-815 (5% drop, pressures still building)
 FLOW PRESSURES: 34-22/45-34
 HYDROSTATIC PRESSURE: 1875
 BOTTOM HOLE TEMP.: 110°