

AFFIDAVIT AND COMPLETION FORM

ACO-1

This form must be filed in triplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within five days after the completion of the well, regardless of how the well was completed. Circle one: Oil, gas, dry, SWD, OWWO, injection. Please type. Complete ALL sections. Applications must be filed for dual completion, commingling, salt water disposal and injection. Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.) KCC#-(316) 263-3238.

OPERATOR Cities Service Company API NO. 15-119-20529-0000
 ADDRESS 3545 N.W. 58th Street COUNTY Meade
Oklahoma City, Oklahoma FIELD North West Novinger
 **CONTACT PERSON Larry Ervin LEASE Armentrout "B"
 PHONE (405) 949-4277
 PURCHASER Jayhawk Pipeline Company WELL NO. 2
 ADDRESS Box 1030 WELL LOCATION C NW NW
Wichita, Kansas 67202 660 Ft. from North Line and
 660 Ft. from West Line of
 the SEC. 15 TWP. 33S RGE. 30W
 DRILLING CONTRACTOR Johnson Drilling Company
 ADDRESS 111 Main Street
Evansville, Indiana 47708
 PLUGGING CONTRACTOR ---
 ADDRESS ---
 TOTAL DEPTH 4740' PBD 4695'
 SPUD DATE 9-9-81 DATE COMPLETED 11-5-81
 ELEV: GR 2722 DF 2730 KB 2732

X			

WELL PLAT
 (Quarter) or (Full) Section - Please indicate.
 KCC _____
 KGS _____

DRILLED WITH ~~(CABLE)~~ (ROTARY) ~~(AIR)~~ TOOLS
 Report of all strings set — surface, intermediate, production, etc. (New)/~~(XXXX)~~ casing.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Secks	Type and percent additives
Surface	12-1/4"	8-5/8"	24#	1564'	35/65 Pozmix	650	3% CaCl, 1/4# D-29
					Class H	150	3% CaCl, 1/4# D-29
Production	7-7/8"	5-1/2"	14#	4730'	50/50/ Pozmix	200	2% Total Gel, 10% Salt, 1/4#D-29 .8% CFR-2

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Secks cement	Shots per ft.	Size & type	Depth interval
			4	DP Jet	4514 - 4568'

TUBING RECORD		ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Size	Setting depth	Packer set at	Amount and kind of material used
2-3/8"	4569'	---	Acidized w/500 gals 15% DS-30 acid containing 15# X R-2.
			Acidized w/2000 gals Westpad A and 1500 gals. 15% Series 70 Retarded acid containing 4 gals Claymaster III & 3 gals Aquaflo

TEST DATE: 11-5-81 PRODUCTION

Date of first production: 9-30-81 Producing method (flowing, pumping, gas lift, etc.) Pumping A.P.I. Gravity 42.6

RATE OF PRODUCTION PER 24 HOURS: Oil 25 bbls. Gas -0- MCF Water 3 bbls. Gas-oil ratio --- CFPP

Disposition of gas (vented, used on lease, or sold): Used on lease. Producing interval (s) 4564 - 4568' (Lansing)

** The person who can be reached by phone regarding any questions concerning this information.
 A witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

Name of lowest fresh water producing stratum Ogallala Depth 400'
 Estimated height of cement behind pipe circulated to surface

WELL LOG

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, Clay, & Sand	0'	427'		
Redbed	427'	965'		
Redbed, Sand, & Shale	965'	1566'		
Anhydrite	1566'	1576'		
Shale	1576'	3348'		
Lime & Shale	3348'	4740'		
T.D.		4740'		
P.B.T.D.		4695'		
<u>LOGGING:</u>				
Cement Bond & Collar Correlation	2600'	4695'		
Dual Induction Laterlog				
Compensated Density Log				
Compensated Neutron Log				
Micro Electrolog				
BHC Sonic Log				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

A F F I D A V I T

STATE OF Oklahoma, COUNTY OF Oklahoma SS,

W. A. Givens OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH, DEPOSES AND SAYS:

THAT HE IS Production Region Manager FOR Cities Service Company OPERATOR OF THE Armentrout B LEASE, AND IS DULY AUTHORIZED TO MAKE THIS AFFIDAVIT FOR AND ON BEHALF OF SAID OPERATOR, THAT WELL NO. 2 ON SAID LEASE HAS BEEN COMPLETED AS OF THE 5th DAY OF November 19 81, AND THAT ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

(S) W.A. Givens W. A. Givens
 Production Region Mgr.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 10th DAY OF November 1981

Joyce S. Darter
 NOTARY PUBLIC - Joyce S. Darter

MY COMMISSION EXPIRES: 6-10-84