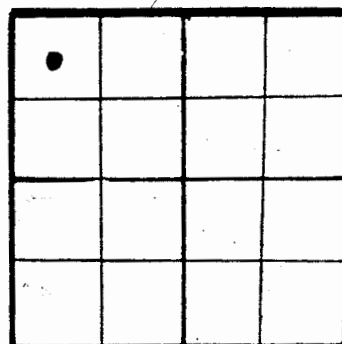


AFFIDAVIT AND COMPLETION FORM

State Geological Survey 2960
WICHITA, BRANCH 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 Arrowhead Petroleum, Inc. API NO. 15 - 069 - 20,125
ADDRESS P. O. Box 8287 - Munger Station COUNTY Gray
Wichita, Kansas 67208 FIELD unknown
**CONTACT PERSON Paul A. Seymour, III LEASE Wendel "A"
PHONE 681-3921
PURCHASER Koch Oil Company WELL NO. #1
ADDRESS P. O. Box 2256 WELL LOCATION C NW/4 NW/4
Wichita, Kansas 67201 Ft. from Line and
Ft. from Line of
the SEC. 9 TWP. 24S RGE. 29W
DRILLING CONTRACTOR Big Springs Drilling, Inc.
ADDRESS P. O. Box 8287 - Munger Station
Wichita, Kansas 67208
PLUGGING CONTRACTOR N/A
ADDRESS _____
TOTAL DEPTH 4900' PBTD _____
SPUD DATE 7-28-81 DATE COMPLETED 8-7-81
ELEV: GR 2771 DF KB
DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS
Report of all strings set — surface, intermediate, production, etc. (New) (Used) casing.



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

KCC
KGS

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"	20#	405'	Common	300 SX	2% gel 3% cc1
Production	7 7/8"	4 1/2"	10 1/2#	4880'			

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2 shots	DP Jets	4742-4746

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	4878	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gals 7 1/2% De-mud acid	4742-4746
Frac w/6000# 20-40 sand 2000# 10-20 sand	"
106 bbls gel water & 282,000 SCF nitrogen	"

APC-46-P

9-24-29w

Name of lowest fresh water producing stratum Sand Depth 400'
Estimated height of cement behind pipe Circulated

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
<u>Drillers Log</u>			<u>Log Tops</u>	
Mailed: Dec. 10, 1981			Anhydrite	1896'
			Herington	2676'
			Krider	2715'
			Winfield	2755'
			Towanda	2790'
DST #1 4315 - 4330			Ft. Riley	2850'
30-30-30-60			Florence	2885'
			Base Florence	2908'
Rec1 584 S GC SW			Heebner	4006'
			Toronto	4027'
IF 79 - 147			Lansing	4058'
FF 161 - 264			Stark	4368'
ISIP 1270			Base of K.C.	4493'
FSIP 1299			Marmaton	4510'
			Pawnee	4596'
DST #2 4710 - 4750			Ft. Scott	4623'
30-45-60-75			Upper Cherokee	4636'
			Lower Cherokee	4664'
Rec. 650' Gas			Morrow Sand	4740'
60' FO			St. Genevieve	4760'
60' HGOCM			St. Louis	4760'
			Total Depth	4898'
IF 16 - 31				
FF 47 - 63				
ISIP 951				
FSIP 1140				

TEST DATE:

PRODUCTION

Date of first production August 1981		Producing method (Flowing, pumping, gas lift, etc.) Pumping		A.P.I. Gravity	
RATE OF PRODUCTION PER 24 HOURS	Oil 10 bbls.	Gas 10 MCF	Water NW bbls.	Gas-oil ratio	CFP
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

** 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.

OF LEGAL AGE, BEING FIRST DULY SWORN UPON HIS

OATH, DEPOSES AND SAYS:

THAT HE IS FOR BiArrowhead Petroleum, Inc.
OPERATOR OF THE Wendel "A" LEASE, AND IS DULY AUTHORIZED TO MAKE THIS
AFFIDAVIT FOR AND ON BEHALF OF SAID OPERATOR, THAT WELL NO. #1 ON SAID LEASE HAS
BEEN COMPLETED AS OF THE 7th DAY OF August 19 81, AND THAT ALL
INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

RECEIVED
FEB 22 1982
CONSERVATION DIVISION
Wichita Kansas

9-24-29W

BIG SPRINGS DRILLING, INC.★

SUITE 29 • 400 NORTH WOODLAWN • (316) 681-1732

P.O. BOX 8287
MUNGER STATION
WICHITA, KANSAS 67208

August 19, 1981

State Geological Survey
WICHITA BRANCH

DRILLERS LOG

Re: Wendel "A" - #1
C NW NW
Sec. 9 Twp 24S Rg 29W
Gray County, Kansas

OPERATOR: Arrowhead Petroleum, Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: July 28, 1981
COMPLETED: August 7, 1981

Elev: 2776 KB

SURFACE PIPE: 405' of 8 5/8" w/300 SX Common 2% gel 3% cc1

0	410'	Sand & Surface Clay
410'	1675'	Shale & Sand
1675'	1863'	Shale
1863'	1897'	Anhydrite
1897'	3925'	Shale
3925'	4748'	Shale & Lime
4748'	4750'	Lime, Shale & Sand
4750'	4900'	Shale & Lime
4900'		RTD

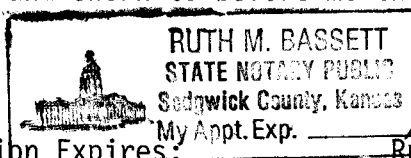
RECEIVED
STATE CORPORATION COMMISSION

We certify that the above and foregoing is a true and correct copy of the log on the Wendel "A"-1 located in Gray County, Kansas.

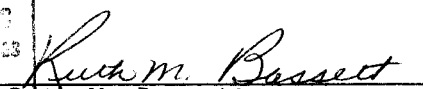
Big Springs Drilling, Inc.


Paul A. Seymour, Jr.
President

Subscribed and sworn to before me this 19th day of August, 1981.



My Commission Expires _____


Ruth M. Bassett

May 30, 1983