State Geological Survey
WICHITA BRANCH

KANSAS

15-065-21148

WELL COMPLETION REPORT AND DRILLER'S LOG

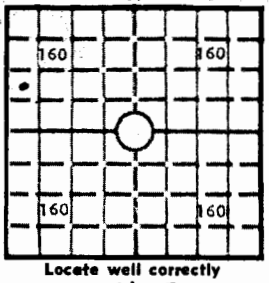
S. 4 T. 10 R. 23 E/W

API No. 15 — 065 (County) — 21,148 (Number)

Loc. NW SW SE

County Graham

640 Acres



Locate well correctly

Operator: Arrowhead Petroleum, Inc.

Address: Box 8287 Munger Station Wichita, Kansas 67208

Well No.	Lease Name
#1	Rice Estate "B"

Footage Location: 1650 feet from (N) (S) line 330 feet from (E) (W) line

Principal Contractor	Geologist
Rig Springs Drilling	Stephen R. Powell

Spud Date	Date Completed	Total Depth	P.B.T.D.
7-23-79	7-28-79	3,980	

Directional Deviation:

Oil and/or Gas Purchaser:

Elev.: Gr. 2,451

DF 2,454 KB 2,456

CASING RECORD

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

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	12¼	8⅝		212		160	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold):

Producing interval(s):

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator: ARROWHEAD PETROLEUM INC.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: DRY

Well No. #1 | Lease Name RICE ESTATE "B"

S 4 T 10 R 23 E (W)

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
Anhydrite	2,022			
TOPEKA	3,496			
HEEBNER	3,924			
TORONTO	3,948			
LANSING	3,961			
MUNCIE CREEK	3,880			
B. K. C.	3,998			
TD	3,980			
DST #1 3,821-3835				
30-30-30-30				
ISIP 355				
FSIP 258				
IFP 21-21				
FFP 21-32				
REC. 30' watery mud				

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

Date Received

F W Shelton 2
Signature

Vice-Pres
Title

8/9/79
Date

1409L