

State Geological Survey

15-051-21584

KANSAS DRILLERS LOG

S. 28 T. 13S R. 20W E
Loc. NE NW SE

County Ellis

API No. 15 — 051 — 21584
County Number

Operator Arrowhead Petroleum Inc.

Address Box 8287 Munger Station Wichita, Ks.

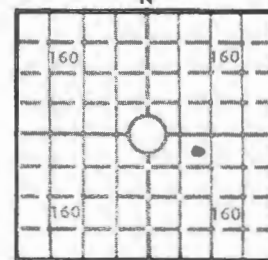
Well No. # 1 Lease Name Karlin

Footage Location 2310 feet from (S) line 1650 feet from (E) line

Principal Contractor Big Springs Geologist Ralph Runyan

Spud Date 1-4-79 Total Depth 3,874 P.B.T.D.

Date Completed 1-12-79 Oil Purchaser NA



Elev.: Gr. 2,232

DF 2,234 KB 2,232

CASING RECORD

Report of oil 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	12 1/4	8 5/8		153		100	
DRY Hole							

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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 Petro. Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No.	Lease Name KARLIN	DRY HOLE
S <u>28</u> T <u>13</u> R <u>20</u> E <u>W</u>		

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	1,560			
TOPEKA	3,244			
HEEBNER	3,478			
TORONTO	3,497			
LANSING	3,514			
BASE H.C.	3,767			
CONGOMERATE	3,814			
Sand	3,861			
Arbuckle	3,869			
TD	3,874			
DST #1 3260-3285				
30-45-45-60				
IFP 39-55				
ISIP - 1049				
FFP 62-78				
FSIP 1034				
REC 75' mud w/ spots oil				
DST #2 3704-3721				
30-45-45-60				
IFP 62-196				
ISIP 932				
FFP 220-385				
FSIP 893				
REC 150' GIP & 800' total fluid				
60' OCM				
150' O.C. Muddy Water				
550' Salt Water				
DST #3 3848-3865				
30-30-30-30				
IFP 31-31				
ISIP 39				
FFP 31-31				
FSIP 39				
REC. 15' mud. No Show				

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

Date Received	 Signature Vice-Pres Title July 11 1974 Date
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BIG SPRINGS DRILLING, INC.

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

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

January 15, 1979

28-135-20W

DRILLERS LOG

Re: Karlin No. 1
NE NW SE
Sec. 28 - Twp 13s - Rq 20W
Ellis County, Kansas

OPERATOR: Arrowhead Petroleum, Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: 1-3-79
COMPLETED: 1-12-79

Surface Pipe: 253' of 8 5/8" w/160 sx Common 2% gel, 3% ccl

0	253	Sand, Clay and Redbeds
253	1040	Clay and Shale
1040	1560	Sand and Shale
1560	1604	Anhydrite
1604	1900	Shale and Shells
1900	2480	Shale
2480	3474	Lime and Shale
3474	3874	Lime
3874		RTD

RECEIVED
STATE CORPORATION COMMISSION

JAN 16 1979

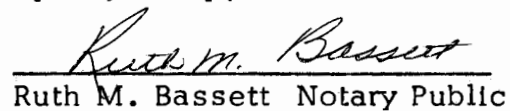
CONSERVATION DIVISION
Wichita, Kansas

We certify that the above and foregoing is a true and correct copy
of the log on the #1 Karlin located in Ellis County, Kansas.

BIG SPRINGS DRILLING, INC.


Paul A. Seymour, Jr.

Subscribed and sworn to before me this 15th day of January, 1979.


Ruth M. Bassett Notary Public

My Commission Expires:

May 30, 1979