

WELL COMPLETION REPORT AND
DRILLER'S LOG

S. 6 T. 16 R. 11 W

Loc. NW SE NW

County Barton

API No. 15 — 009 — 21,727 ✓
County Number

Operator

Arrowhead Petroleum, Inc.

Address

Box 8287 Munger Station Wichita, Kansas 67208

Well No.

#1

Lease Name

Esfeld

Footage Location

1650 feet from (N) line 1650' feet from (W) line

Principal Contractor

Geologist

Spud Date

10-13-79

Date Completed

10-17-79

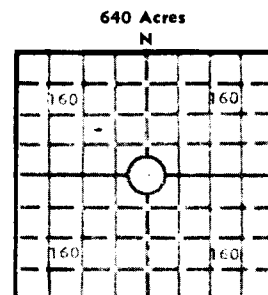
Total Depth

3372'

P.B.T.D.

Directional Deviation

Oil and/or Gas Purchaser



Elev.: Gr.

1865

DF

1865 KB

1865

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	12 1/4	2 1/2		299'		1255x	
Production	7 7/8	4 1/2		3308'			

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
				DP	3215-3225

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	3258.45	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% HCl	3215-3225
3000 gal 20% HCl	3215-3225

INITIAL PRODUCTION

Date of first production 12-11-79		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS		Oil 10	Gas bbbls.	Water 30	Gas-oil ratio bbbls.
Disposition of gas (vented, used on lease or sold)				Producing interval (s)	
		CFPB			

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 <u>Anderson Petroleum Inc.</u>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. <u>#1</u>	Lease Name	<u>Oil</u>	
S <u>6</u> T <u>16</u> R <u>11</u> ^E _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
Anhydrite TANKIO Elmout Howard TOPKA JULIA TORONTO Douglas Brownline WANSING B.K.C. Comp. Grommet Arbuckle TD	245 2415 2476 2613 2650 2723 2753 2783 3025 3041 3301 3305 3364 3392		
DST #1 3210-3225 30-45-60-45 Strong blow ISIP 954 ISIP 925 IFP 29.36 FFP 44.59 REC. 700' GIP 130' uhose on			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: right;"> <u>J.W. Shelton 2</u> Signature <u>Vice President</u> Title <u>1/11/00</u> Date </div>		

856915

BIG SPRINGS DRILLING, INC.

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

6-16-11W
P.O. BOX 8287
MUNGER STATION
WICHITA, KANSAS 67208

October 25, 1979

DRILLERS LOG

Re: Esfeld # 1
NW SE NW
Sec. 6- Twp 16- Rq 11W
Barton County, Kansas

OPERATOR: Arrowhead Petroleum, Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: 10-13-79
COMPLETED: 10-19-79

State Geological Survey
WICHITA BRANCH

Surface Pipe: 299' of 8 5/8" w/175 sx Common 2% gel 3% clay
RECEIVED
STATE GEOLOGICAL SURVEY
OCT 26 1979
CONSERVATION DIVISION
Wichita, Kansas

0	299	Sand, Shale, and Clay
299	745	Clay and Shale
745	780	Anhydrite
780	1440	Shale
1440	2921	Shale and Lime
2921	3372	Lime
3372		RTD

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

BIG SPRINGS DRILLING, INC.


Paul A. Seymour, Jr.

Subscribed and sworn to before me this 25th day of October, 1979.


Ruth M. Bassett Notary Public

My Commission Expires:

May 30, 1983