

**WELL COMPLETION REPORT AND
DRILLER'S LOG**

S. 21 T. 11 R. 24 ^N _W

API No. 15 — 195 — 20,636
County Number

Loc. SE NW NW

Operator
Arrowhead Petroleum, Inc.

County Trego

Address
Box 8287, Munger Station Wichita, Kansas 67208

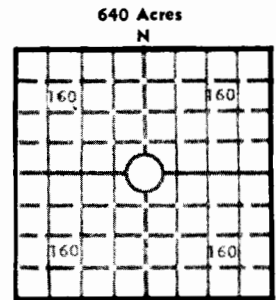
Well No. #1 Lease Name Malinowsky

Footage Location
990 feet from (N) line 990 feet from (W) line

Principal Contractor RIG SPRINGS Drilling Geologist Bill Sheldon

Spud Date 5-2-80 Date Completed 5-9-80 Total Depth 1040 P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser



Elev.: Gr. 2455
DF KB 2460

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
<u>SURFACE</u>	<u>12 1/4</u>	<u>8 5/8</u>		<u>207'</u>			

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	
	bbis.	MCF	bbis.	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**
 Well No. **#1** Lease Name **Mahinowsky** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: **DRY hole**
 S 21 T 15 R 24 E

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
HEELNER	3764			
TORONTO	3787			
LANSING	3801			
STARKSHALE	3995			
BKC	4035			
DST #1 3821-40 30-30-30-30 IFFP 51-51 FFP 51-51 ISIP 1069 FSIP 868 REC. 20' of mud DST #2 3949-72 30-30-30-30 All PRES 31# REC. 10' mud DST #3 3972-95 30-30-30-30 IFFP 41-41 FFP 41-41 ISIP 51 FSIP 51 REC. 25' mud DST #4 3995-4040 30-30-30-30 IFFP 51-51 FFP 51-51 ISIP 244 FSIP 71				

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

Date Received	Signature Paul A. Seymour III
	Title
	Date 5-22-80

07166

PI

21-11-24W

BIG SPRINGS DRILLING, INC.

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

P.O. BOX 8287
MUNGER STATION

WICHITA, KANSAS 67208
State Geological Survey
WICHITA, KANSAS

May 13, 1980

DRILLERS LOG

Re: Malinowsky No. 1
SE NW NW
Sec. 21- Twp 11s-Rq 24W
Trego County, Kansas

OPERATOR: Arrowhead Petroleum, & Associates Oil & Gas, Inc.
CONTRACTOR: Big Springs Drilling, Inc.
COMMENCED: 5-2-80
COMPLETED: 5-9-80

Surface Pipe: 217' of 8 5/8" w/160 sx Common 2% gel 3% ccl

0	217	Clay, Shale, Sand
217	2043	Shale
2043	2085	Anhydrite
2085	2800	Shale and Shells
2800	3348	Shale and Lime
3348	3515	Lime
3515	3775	Shale and Lime
3775	4034	Lime
4034	4040	Shale and Lime
4040		RTD

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

BIG SPRINGS DRILLING, INC.

Paul A. Seymour III
Paul A. Seymour, III

Subscribed and sworn to before me this 13th day of May, 1980.

My Commission Expires

May 30, 1983

RUTH M. BASSETT STATE NOTARY PUBLIC Sedwick County, Kansas My Appt. Exp. _____

Ruth M. Bassett
Ruth M. Bassett Notary Public