

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5533
Name Arrowhead Petroleum, Inc.
Address Box 8287-Munger Station
Wichita, Kansas 67208
City/State/Zip

Purchaser

Operator Contact Person Timothy J. Sanders
Phone (316) 681-3921

Contractor: License # 5381
Name Big Springs Drilling, Inc.

Wellsite Geologist Jerry Green
Phone (913) 625-5155

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

9-5-84 9-11-84
Spud Date Date Reached TD Completion Date
3689'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 278 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 278 feet
If alternate 2 completion, cement circulated
from feet depth to w/SX cmt

API NO. 15-051-24,016-00-00

County Ellis

NE SW SW 21 14S 18W
Sec Twp Rge East West

990 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

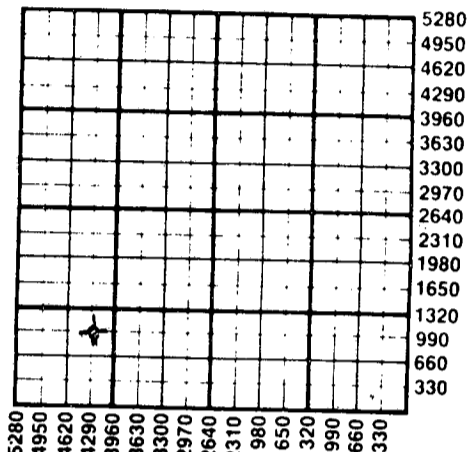
Lease Name Pfannenstiel Well # 1

Field Name

Producing Formation

Elevation: Ground 2028' KB 2033'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Hauled - farmer
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water 1320 Ft North from Southeast Corner (Stream, pond etc.) 3960 Ft West from Southeast Corner Sec 24 Twp 14S Rge 18W East West

Other (explain) (purchased from city, R.W.D. #)

RECEIVED

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 2 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Paul A. Seymour III
Title Vice-President Date 9-17-84

Subscribed and sworn to before me this 17 day of Sept. 1984
Notary Public LaDonna F. Landrum
Date Commission Expires August 18, 1988

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)



Sec 21 Twp 14 Rge 18W

Operator Name Arrowhead Petroleum, Inc. Lease Name Pfannenstiel Well # 1

Sec. 21 Twp. 14S Rge. 18W East West County Ellis

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 3374 - 3400
 30 - 30 - 30 - 30
 Rec: 10' mud
 IBHP: 731
 FBHP: 639
 FP: 25-25 33-33-
 I-HYD: 1914
 F-HYD: 1910

Name	Top	Bottom
Topeka	3021'	3292'
Heebner	3292'	
Toronto	3313'	3531'
Lansing K.C.	3341'	3574'
Lansing K.C.B.	3574'	
Arbuckle	3670'	3700'
RTD	3700'	

DST #2 3455 - 3550
 30 - 30 - 30 - 30
 Rec: 10' DM
 IBHP: 92
 FBHP: 92
 FP: 67-67 75-75
 I-HYD: 1989
 F-HYD: 1980

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	278'	60-40POZ	150	3% ccl 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity		

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

