

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 ..P.O. Box 8287, Mungler Sta.  
.....Wichita, Kansas 67208.....  
City/State/Zip .....

Purchaser.....  
.....

Operator Contact Person .....Wm. Todd Seymour.....  
Phone .....316-681-1732.....

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

Wellsite Geologist...Wm. Todd Seymour.....  
Phone....316-681-1732.....

Designate Type of Completion  
 New Well     Re-Entry     Workover  
  
 Oil                     SWD                     Temp Abd  
 Gas                     Inj                     Delayed Comp.  
 Dry                     Other (Core, Water Supply etc.)

If CWNO: old well info as follows:  
Operator .....

WELL HISTORY

Drilling Method:  
 Mud Rotary     Air Rotary     Cable

.12-11-86    12-16-86.....    ..12-16-86.....  
Spud Date            Date Reached TD            Completion Date  
  
.4318.....  
Total Depth            PBTD

Amount of Surface Pipe Set and Cemented at .361 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from KB.....feet depth to .369...w/.200X cmt  
Cement Company Name ..Halliburton.....  
Invoice # .....

API No. 15-.....083-21-271-0000.....  
County.....Hodgeman.....  
C. NE SW. Sec. 14. Twp. 22. Rge. 23.  East  West

1980' ..... Ft North from Southeast Corner of Section  
3300' ..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

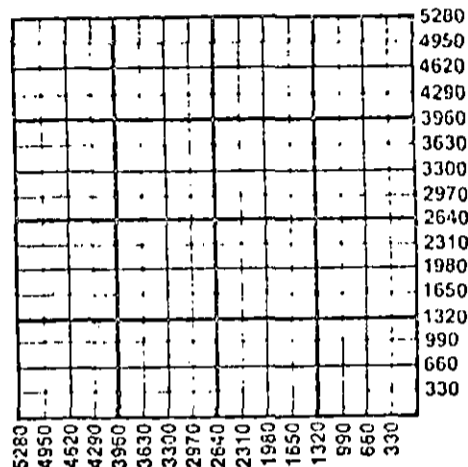
Lease Name.....EWY..... Well #.....1.....

Field Name.....

Producing Formation.....

Elevation: Ground.....2347.....KB.....2352.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:                     Disposal  
Docket # .....                     Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
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 2310 Ft North from Southeast Corner  
(Stream, pond etc.) 3300 Ft West from Southeast Corner  
Sec 14 Twp 22 Rge 23  East  West

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

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Darby 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 12 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 .....*Wm. Todd Seymour*.....  
Title.....Geologist..... Date ..12/22/86.....  
12-23-86

Subscribed and sworn to before me this ..22nd day of Dec.....  
19-86...  
Notary Public.....*Ruth M. Bassett*.....  
Ruth M. Bassett  
Date Commission Expires...May 30, 1986.....

STATE NOTARY PUBLIC  
RUTH M. BASSETT  
State of Kansas  
My Appt. Exp. 5/30/87

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. 14 Twp 22 Rge 23

SIDE TWO

Operator Name Arrowhead Petroleum, Inc. Lease Name EWY Well # 1  
 Soc. 14 Twp. 22S Rge. 23W County Hodgeman  
 East  West

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

Name	Top	Bottom
Heebner	3925	(-1573)
Toronto	3939	(-1587)
Lansing	3980	(-1628)
BRC	4288	(-1936)
RTD	4318	(-1966)

CASING RECORD <input type="checkbox"/> Now <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#	361	60-40 POZ	200	2% GEL 3% d.c
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)..... RELIEVED					
Estimated Production Per 24 Hours		STATE CORPORATION COMMISSION		Water		Gas-Oil Ratio	
		OBSERVATION DIVISION MCF Wichita, Kansas		Bbls		CFPB	

METHOD OF COMPLETION

Production Interval

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