1-9-28W   8

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 - Munger Station....
City/State/Zip ...Wichita, Kansas..67208.

Purchaser...
....

Operator Contact Person ...Wm. Todd Seymour....
Phone ...(316) 681-3921.........................

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

Wellsite Geologist....Wm. Todd Seymour........
Phone...(316) 681-3921.......................

Designate Type of Completion

  X New Well   ___ Re-Entry   ___ Workover

  ___ Oil   ___ SWD   ___ Temp Abd
  ___ Gas   ___ Inj   ___ Delayed Comp.
  X 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:
      X Mud Rotary ___ Air Rotary ___ Cable

...1-13-86...   ...1-15-86...   ...1-15-86...
Spud Date   Date Reached TD   Completion Date

..2460'.........   ....
Total Depth   PBTD

Amount of Surface Pipe Set and Cemented at...285'...feet
Multiple Stage Cementing Collar Used? ___ Yes ___ No
  If yes, show depth set.....................feet
If alternate 2 completion, cement circulated
from...0......feet depth to..285...160..w/....SX cmt
Cement Company Name ...Halliburton................
Invoice # ....401082..........................

County.........Sheridan.................

NE   NE   NE   Sec 1   Twp 9S Rge 28W ___ East
....   x West
4950'
..330'.. Ft North from Southeast Corner of Section
.... Ft West from Southeast Corner of Section
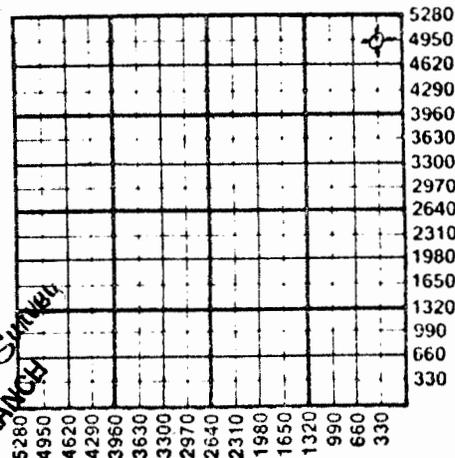(Note: Locate well in section plat below)

Lease Name........Herl........Well #....1....

Field Name...

Producing Formation.................................

Elevation: Ground....2654'.......KB...2659'.......

Section Plat

FEB 03 1986
State Geological Survey
WICHITA BRANCH

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: Water Well
Division of Water Resources Permit #....T 86 - 35...

X Groundwater...4950...Ft North from Southeast Corner
(Well)   ...330..Ft West from Southeast Corner of
           Sec 1 Twp 9 Rge 28-W ___ East ___ West

___ Surface Water......Ft North from Southeast Corner
(Stream, pond etc).......Ft West from Southeast Corner
           Sec   Twp   Rge   ___ 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 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 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.

SIDE TWO

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

Sec..... 1 Twp..... 9S Rge..... 28W ☐ East ☒ West County..... Sheridan .....

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

Log run to check top & base of Anhydrite Section.

Top 2289'
Base 2323'

CASING RECORD ☒ New ☐ 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#	285'	60-40 POZ	160SX	2% gel 3%ccl

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run ☐ Yes ☐ No

Date of First Production	Producing Method