

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 - Murgar 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
 New Well Re-Entry Workover

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

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1-16-86 1-23-86 1-23-86
Spud Date Date Reached TD Completion Date
4165
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 369' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 369' feet depth to 200' w/ 200' SX cmt
Cement Company Name Halliburton
Invoice # 401087

API NO. 15-
County Sheridan
NW NW NW 32 8S 29W East
Sec Twp Rge 12 X West

4950' Ft North from Southeast Corner of Section
4950' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

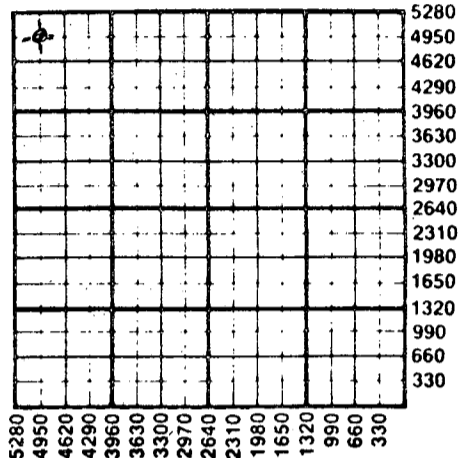
Lease Name Summerson Well # 1

Field Name

Producing Formation

Elevation: Ground 2802' KB 2807'

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: Water Well
Division of Water Resources Permit # T 86-48
 Groundwater 4950' Ft North from Southeast Corner (Well) 4950' Ft West from Southeast Corner of Sec 32 Twp 8S Rge 29W 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.

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 1-29-86

Subscribed and sworn to before me this 29th day of January 1986
Notary Public LaDonna F. Landrum
Date Commission Expires August 18, 1988

LaDONNA F. LANDRUM
State of Kansas
My Appt. Exp. 8/18/88

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)
RECEIVED

SIDE TWO

Operator Name Arrowhead Petroleum, Inc. Lease Name Summerson Well # 1
 Sec. 32 Twp. 8S Rge. 29W 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

DST #1 3868' - 3922'
 30" - 45" - 30" - 60"
 IFP: 33 - 41 ICIP: 66
 FFP: 41 - 41 FCIP: 66
 Rec: 3' mud / Strap = 3.87 short - no correct.

DST #2 3928' - 3951'
 30" - 45" - 30" - 60"
 IFP: 33 - 33 ICIP: 1190
 FFP: 33 - 33 FCIP: 1174
 Rec: 20' mud / Strap = 4.04 short - no correct.

DST #3 3948' - 3961'
 30" - 45" - 45" - 60"
 Blow: weak building to bottom Bucket 14"
 2nd: weak building to bottom of bucket
 IFP: 25 - 90 ICIP: 1344
 FFP: 90 - 196 FCIP: 1336
 Rec: 410' salt water

DST #4 4079' - 4105' FFP: 33 - 33 FCIP: 33
 30" - 60" - 30" - 60" IFP: 25 - 33 ICIP: 41 Rec: 3' mud / Pipe Strap 4.0 short

Name	Formation Description	
	Top	Bottom
Anhydrite	2442'	
Base Anhydrite	2478'	
Heebner	3871'	
Toronto	3892'	
Lansing	3906'	
Muncie Creek	4028'	
Base K. C.	4158'	
RTD	4165'	

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#	369'	60-40 POZ	200 SK	2% gel 3%cc

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		Size	Set At	Packer at	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	Gas	Water	Gas-Oil Ratio	Gravity	
	Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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