SIDE ONE

32-8-29W

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 179 - 20,854

County: Sheridan

NW NW NW Sec. 32 Twp. 8S Rge. 29W East / 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'

Operator: License # 5533
Name: Arrowhead Petroleum, Inc.
Address: 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.

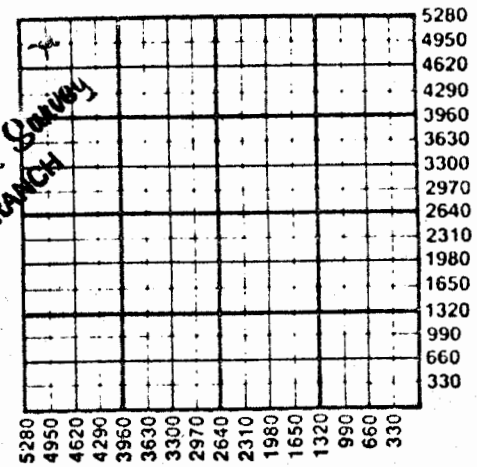
Wellsite Geologist: Wm. Todd Seymour
Phone: (316) 681-3921

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:

Section Plat



FEB 07 1986
State Geological Survey
WICHITA BRANCH

WATER SUPPLY INFORMATION

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

WELL HISTORY

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

1-16-86	1-23-86	1-23-86 kc-kcc
Spud Date	Date Reached TD	Completion Date

4165	
Total Depth	PBTD

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 KB feet depth to 369' w/ 200 SX cmt
Cement Company Name: Halliburton
Invoice #: 401087

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

X Groundwater (Well): 4950 Ft North from Southeast Corner; 4950 Ft West from Southeast Corner of
Sec 32 Twp 8S Rge 29W ___ East ___ West

___ Surface Water (Stream, pond etc): Ft North from Southeast Corner; 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.

57705

WOC-8-26

SIDE TWO

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

Sec. 32 Twp. 8S Rge. ~~28W~~ 20W ☐ 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

Formation Description
☐ Log ☒ Sample

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

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

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