

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
City/State/Zip Wichita, KS 67220

Purchaser

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

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist
Phone

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry - KCC 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
10-28-86 10-31-86 11-1-86
Spud Date Date Reached TD Completion Date
1788'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 370 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-199-20,094-66-00
County Wallace
Approx. NW SE/4 8 Twp 14 Rge 40 East
Sec 32 Twp 14 Rge 40 West

2250 Ft North from Southeast Corner of Section
2100 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

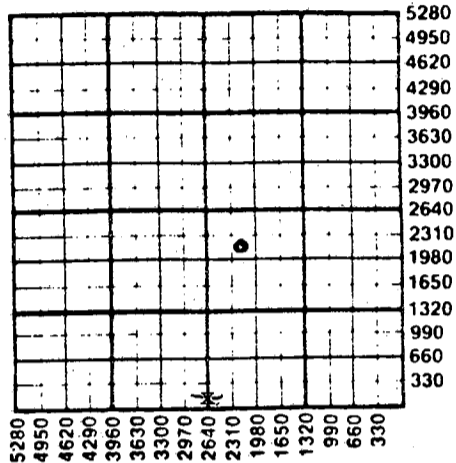
Lease Name Robben Well # 1-8

Field Name

Producing Formation Mississippian

Elevation: Ground 3603 KB 3608

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

X Surface Water 25 Ft North from Southeast Corner (Stream, pond etc) 2640 Ft West from Southeast Corner Sec 32 Twp 13SRge 40 East X West

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

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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-11.1 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 Paula Seymour III
Arrowhead Petroleum, Inc.
Title Vice-President Date 11/06/86

Subscribed and sworn to before me this 6th day of November 1986
Notary Public Ruth M. Bassett
Date Commission Expires May 30, 1987

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)

RUTH M. BASSETT
State of Kansas
My Appt. Exp. 5/20/87

Form ACO-1 (5-86)
NOV 7 1986
11-07-86

Sec. 8 Twp. 14 Rge. 40 West

SIDE TWO

Operator Name Arrowhead Petroleum, Inc. Lease Name Robben Well # 1-8

Sec. 8 Twp. 14S Rge. 40 East West County Wallace

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

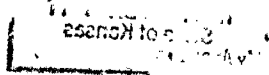
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20#	370	60/40 posmik	235	4% ca. cl. 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		
Size	Set At	Packer at					
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

WMS
 05-10-11



ABERCROMBIE DRILLING, INC.

801 UNION CENTER
WICHITA, KANSAS 67202ROBBEN #1 (Rig #5)
SE4
Sec.- 8-14S-40W
Wallace Co., KansasOPERATOR: Big Springs Drilling #5381
CONTRACTOR: Abecrombie Drilling, Inc.ELEVATION: GL 3603'
KB 3608'Big Springs Drilling
Box 8287, Munger Sta.
Wichita, KS 67220

681-1732

API #15-199-20,094

Page 1

- 10-27-86 MIRU
- 10-28-86 Rigging up - preparing to spud!
- 10-29-86 Spud at 4:15 p.m. 10-28-86. Drilled 375' - 12 1/2" hole. Ran 9 jts. of 8-5/8" - 20# casing tally 361.77 set at 370'. Cemented with 235 sacks of 60/40 posmix, 4% c.c., 2% gel. Lost circulation prior to pumping down. Plug down 9:00 p.m. 10-28-86. Ran 70' 1" pipe and cemented with 75 sacks of 60/40 posmix, 2% c.c., 2% gel followed with 50 sacks of 60/40 posmix 3% c.c., 2% gel. Cement to surface. Job complete 4:45 a.m. 10-29-86. 7:00 a.m. waiting on cement. Will drill the plug at 12:45 p.m. 10-29-86.
- 10-30-86 At 1788' lost returns. Drilled 1414' in last 24 hrs; drilling 10-1/2 hrs, waiting on cement 6-1/4 hrs, drilling plug 1/4 hr, 7 hrs lost returns. Bit #1 S-3 serial number 351577. Mud weight 9.1, viscosity 35, LCM 8#. Lost returns at 430', 492', 619', 857', 966', 997', 1312', 1467', 1788'. Used 110 sacks gel, 16 sacks multi seal, 4 sacks Kane fiber, 34 sacks hulls, 5 mud seals. At the present time coming out with drill pipe to run wire line and flag liquid.
- 10-31-86 At 1788' waiting on cement. Cemented with 50 sacks fixotropic squeeze down to 347'. Will drill out at 1:00 p.m. Running 40# LCM. 24 hrs daywork on lost circulation. Losing circulation just below surface.
- 11-01-86 At 1788' abandoned hole. Drilled out cement-good returns started down hole, lost returns, abandoned hole and plugged. 100 sacks and 2 sacks celoflake at 1340', 2nd plug 100 sacks and 1 sacks celoflake at 440', 3rd plug 10 sacks at 40'. Solid bridge 15 sacks in rathole, 10 sacks mousehole, 60/40 posmix, 6% gel, 3% c.c. Plug down 2:30 a.m. 11-1-86. Cement by Halliburton. State plugger Marion Schmidt. Accumulated mud 4234.11.

15-199-20094-00-00

WM TODD SEYMOUR
PETROLEUM GEOLOGIST
P.O. BOX 8287 • MUNGER STATION
WICHITA, KANSAS 67208

OFF: 316-681-3921
RES: 316-684-6897

DEAR KATHLEEN,

THE # 1-8 ROBBEN LOST CIRC. @
1788'_{RTD} + 1815. THERE ARE NO FORMATION
DESCRIPTIONS AT THAT DEPTH. THE WELL
LOCATION IS 2250 FSL R 2100 FEL, SE 1/4
SEC: 8-14_s-40W.

THE # 1-8 'A' ROBBEN IS A DRY
HOLE (TIGHT HOLE) NO PIPE WAS RUN.

IF YOU HAVE ANY MORE QUESTIONS
PLEASE LET ME KNOW. MY # IS 681-3921

THANKS

TODD SEYMOUR

STATE CORPORATION COMMISSION

MAR 20 1987

CONSERVATION DIVISION
Wichita, Kansas