

Information on slide 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 02-3-107 for confidentiality in excess of 12 months.

513494

SIDE TWO

Operator Name Arrowhead Petroleum, Inc. Lease Name Mezger Well # 1
Sec. 11 Twp. 21S Rge. 19W ☐ East Pawnee
County ☐ 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

DST #1 - 4202' - 4220'

15" - 30" (no second opening)

Weak blow - increasing to strong on bottom of bucket

IHP: 2160 IFP: 18 - 152

FHP: 2160 ICIP: 1228

Rec: 310' of slightly muddy salt water

Name	Top	Bottom
Heebner shale	3664'	
Toronto	3679'	
Lansing - KC	3719'	
Base KC	4104'	
Cherokee	4183'	
Penn Basal Congl.	4214'	
Mississippian	4267'	
Total Depth	4280'	

CASING RECORD ☒ Now ☐ 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"	23#	357'	60-40P0Z	200SX	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

Linor Run ☐ Yes ☐ No