

WPA-PF-20

SIDE TWO

B Operator Name ... Clark Exploration Lease Name ... Z-Bar Well # ... 1-5

Sec. ... 5 Twp. ... 34 Rge. ... 14 East West County ... Barber

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
Hebner shale	3881	(-2245)
Lansing/KC	4085	(-2449)
Base KC	4549	(-2913)
Cherokee shale	4648	(-3012)
Mississippi	4663	(-3027)

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	24	358	60/40	250	3% gel
Production	7 7/8	4 1/2	10 1/2	4728	60/40 pbz	150	2% CaCl 10# gilsonite/sack
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4656 - 64	2 shots per ft.			acid - 1000 gal, 15% DSFeS		4656 - 64	
4668 - 78				frac - 40,000# sand 40,000 gelled water		4668 - 78	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2 3/8		4699		N/A			
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					