



Operator Name J. Mark Richardson Lease Name Ralstin A Well # 1

Sec. 2 Twp. 29S Rge. 20  East  West County Kiowa

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 OWWO  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST 4998-5014 GTS 1", GA 2,530,000 CFGPD/5",  
 OP 2 1/2 HRS, DECR TO 416,000 CFGPD/2 1/2 HRS,  
 R 55' M, ISIP 1247#/30", FP 335-56, FSIP 801#/45"

DST 5014-23, OP 2 HRS/10", R 90' M + 30' MW +  
 VSSO/TOOL, ISIP 1381#/30", FP 11-56, FSIP  
 1358#/45".

HEEBNER 4198-1827  
 BROWN LIME 4368-2027  
 LANSING 4380-2009  
 SWOPE 4668-2297  
 BKC 4783-2412  
 MARMATON 4802-2431  
 CHEROKEE SHALE 4903-2532  
 MISS DOL 4998-2627

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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		8"		289		275	
Production		4 1/2"	10.5#	5069	Posmix	200	2% gel - .75%
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	5000-5006			1000 gal.		5006	
4	4671-4677			2000 gal. 28% (5-2-83)		5006	
				500 gal. 15% Mud Acid		4677	
TUBING RECORD				Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2 3/8		Set At 4690		Packer at 4900			
Date of First Production from new zone		Producing Method					
11-1-85		<input type="checkbox"/> Flowing <input checked="" 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	
		80 Bbls	100 MCF	Bbls	CFPB		

CRF-2

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  
 Open Hole  Perforation  Other (Specify) ..... 4671-4677  
 Dually Completed  Commingled