



Operator Name ... Cities Service Oil & Gas Corp ... Lease Name ... Krueger Unit ... Well # ... 503S ...  
 NW/4 SW/4 NW/4

Sec ... 2 ... Twp ... 11S ... Rge ... 16 ...  East  West ... County ... Ellis

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

Ran Cement Bond Log; Log to 947'.

Set Wireline CIBP at 830'  
 Dump 4 sx cmt on top.

Name	Top	Bottom
Shale & Sand	0	70
Sand, Shale & Shells	70	309
Shale & Shells	309	690
Shale & Sand	690	1025
Red Bed & Shale	1025	1165
Anhydrite	1165	1200
Shale & Shells	1200	1625
Shale & Salt	1625	1740
Shale & Shells	1740	1795
Shale & Lime	1890	1890
Lime & Shale	2455	2455
Shale	2620	2620
Shale & Shells	2780	2780
Shale	2870	2870
Lime		3480
TD		3480
PBTD		3240

CASING RECORD <input 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	12-1/4"	8-5/8"	24#	309'		175	
Production	7-7/8"	5-1/2"	14#	3481'		200	
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	Cheyenne 692-98'; 613-26' (76 shots)						
4	Cedar Hills Sand 756-780' (96 shots)						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2-7/8"		Set At 587 BHP		at 606'			
Date of First Production		Producing Method					
6/13/86		<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	
Water		Bbls	MCF	360 Bbls		CFPB	

METHOD OF COMPLETION

Production Interval

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

Cheyenne 692-698'  
 ..... 613-626'  
 Cedar Hill 756-780'