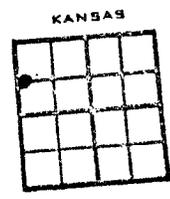


**DRILLERS LOG**  
KANSAS GEOLOGICAL SOCIETY  
Wichita, Kansas

**20-33S-3E**  
W/2-W/2-NW



OPERATOR: W. D. Short, Box 45, Oxford, Kansas 67119  
 CONTRACTOR: **White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042**  
 Lease Name West Rainbow Bend Unit Well No. 17  
 Sec. 20 T. 33S R. 3E Spot SE NW NW  
 County Cowley State Kansas Elevation 1168 KB (Est)

Casing Record:  
 Surface: 8 5/8" @ 250' with 175 Sxs. 3% CC  
 Production: 5 1/2" @ 3236' with 50 Sxs.  
 Type Well: Oil Total Depth 3245 K.B.  
 Drilling Commenced: 3-4-75 Drilling Completed 3-11-75

Formation	From	To	Tops	
Cellar	0	7	Layton	2621
Sand & Dirt	7	65	Kansas City	2745
Shale & Lime	65	455	Bartlesville	3235
Shale & Lime (Stks)	455	720	Rto	3245
Shale & Lime	720	970		
Shale & Lime (Stks)	970	1193		
Shale & Lime	1193	1470		
Lime & Shale (Stks)	1470	1598		
Shale & Lime	1598	1790		
Shale & Lime (Stks)	1790	1965		
Shale	1965	2180		
Lime & Shale	2180	2215		
Sand	2215	2308		
Shale & Lime	2308	2442		
Shale	2442	2621		
Sand	2621	2745		
Lime	2745	3125		
Lime & Shale	3125	3235		
Sand	3235	3245		



**COMPLETION RECORD**

Liner Record: Size \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Cementing Record: \_\_\_\_\_ Sacks \_\_\_\_\_  
 Perforating Record:  
 Formation \_\_\_\_\_ Perforated Interval \_\_\_\_\_ Number Shots \_\_\_\_\_