

FORMATION LOG OF THE WELL OR TEST HOLE

DeSoto Co.
A104

Started Test Hole 3/24/ 20 03 Finished 4/11/ 20 03 Test Hole Number 1
 Location Hwy 305 Well #1 Sec 1 TS T25 Range 26W Elevation 375'

LAT 34° 51' 56" N LONG 89° 50' 02" W

Total Depth	Thickness Each Stratum	Formation	Total Depth	Thickness Each Stratum	Formation	
0-14	14	Red Sandy Clay & Gravel				
14-30	16	White Clay				
30-97	67	Gray Clay w/ Lignite				
97-136	39	Fine Sand w/ Clay Streaks				
136-149	13	Sandy Clay				
149-169	20	Clay				
169-180	11	Sandy Clay w/ Sand Streaks				
180-219	39	Fine Sand w/ Lignite				
219-221	2	Clay				
221-232	11	Fine Sand w/ Lignite	Mud Pit Size	Ft. X	Ft. X	Ft. Deep
232-252	20	Med Sand w/ Lignite	Type Bit Used to Cut Sand			
252-315	63	Fine Sand w/ Lignite	Size of Test Hole Through Sand			
315-368	53	Fine Sand w/ lots of Clay Streaks	Type of Bit Used to Cut Upper Formations			
368-373	5	Fine Sand w/ 1/2 x 1/2 Clay	Size			
373-441	68	Hard Shale w/ Sandy Streaks	Type Mud Pump Used			
441-484	43	Sandy Shale w/ Sand Streaks	Drilling Pressure in Sand			
484-492	8	Sandy Shale	Type of Mud Used			
492-583	91	Fine Sand w/ Shale Streaks	Notes:			
583-600	17	Hard Shale				
600-690	90	Fine Sand w/ Clay Streaks				
690-739	49	Hard Shale				
739-776	37	Sandy Shale w/ Sand Streaks				
776-777	1	Rock				
777-782	5	Hard Sandy Shale				
782-835	53	Fine Sandy Shale				
835-888	53	Fine Sandy Shale				
888-1100	212	Hard Shale		Test Data Final Test		
1100-1110	10	Sandy Shale	Static Water Level			
1110-1113	3	Hard Shale	Pumped GPM			
1113-1115	2	Sandy Shale	Pressure Pounds			
1115-1129	14	Hard Shale	Draw Down			
1129-1156	27	Hard Sandy Shale	GPPD			
1156-1222	66	Fine Sand w/ Shale Layers	Guaranteed GPM			
1222-1403	181	Sandy Shale	Guaranteed Pressure			
1403-1404	1	Rock	Date of Test			
1404-1433	29	Hard Sandy Shale		REMARKS		
TD	1433'	Total Depth				
		Samples				
		1. 169-189	11. 535-567			
		2. 189-220	12. 567-583			
		3. 220-252	13. 600-630			
		4. 252-283	14. 630-660			
		5. 283-315	15. 660-690			
		6. 315-345	16. 845-876			
		7. 345-377	17. 876-888			
		8. 441-473	18. 1129-1156			
		9. 473-504	19. 1156-1186			
		10. 504-535	20. 1186-1216			
			Driller <u>Kevin Mitchell</u>			
			Field Supt <u>Ray Smith</u>			

RECEIVED
 JUN 13 2003
 BY: OLWR