

DARTCHEROKE  
**Drillers Log**  
**McPherson Drilling LLC**

Rig: 3		Elev. 909'	
API No. 15- 125-30220-0000	Operator: Dart Cherokee Basin Operating Co. LLC		
Address: P.O. Box 177 Mason, MI 48854-0177	Well No: A1-28 SWD		
	Lease Name: Butler	South Line	
	5115 ft. from the	East Line	
	5115 ft. from the		
Drilling Contractor: McPherson Drilling LLC	Spud date: 1/2/03		
	Geologist: Bill Berks	Total Depth: 1731'	
Date Completed: 1/6/03			

S. 28 T. 33e R. 14e  
 Loc: NW NW NW  
 County: MG

**Gas Tests:**

Casing Record		
	Surface	Production
Size Hole:	11"	7 7/8"
Size Casing:	8 5/8"	McPherson
Weight:	24#	
Setting Depth:	20.5'	
Type Cement:	Portland	
Sacks:	4	McPherson

**Rig Time:**  
 2 hrs. - Gas Test

Start injecting water @ 260'

Well Log								
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
						shale	1394	1431
Top soil	0	3	lime	740	761	coal	1431	1434
sandstone	3	11	sand/shale	761	793	shale	1434	1448
lime	11	16	shale	793	877	Mississippi	1448	1684
shale	16	58	pink lime	877	900	shale	1684	1722
lime	58	73	shale	900	937	Arbuckle	1722	1731
shale	73	82	sand	937	958			
sand	82	94	sand/shale	958	980			TD
shale	94	204	1st oswego	980	1020			
lime	204	217	summit	1020	1027			
shale	217	227	2nd oswego	1027	1049			
lime	227	257	mulkey	1049	1055			
sand	257	278	3rd oswego	1055	1062			
sand/shale	278	286	shale	1062	1072			
sand	286	368	coal	1072	1077			
lime	368	381	shale	1077	1099			
sand/shale	381	430	coal	1099	1100			
shale	430	477	shale	1100	1141			
sand/shale	477	571	coal	1141	1144			
lime	571	597	sand/shale	1144	1171			
shale	597	659	shale	1171	1206			
lime	659	682	sand/shale	1206	1251			
sand	682	712	shale	1251	1391			
shale	712	740	coal	1391	1394			

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