

McPherson Drilling - Drillers Log

API NO. 15-

S. T. R.

LOCATION:

OPERATOR: Benson Mineral Group

COUNTY: Neosho

ADDRESS:

WELL NO. 23-1

LEASE NAME: 4D Land & Cattle, Co.

FOOTAGE LOCATION:

FROM THE (S) (N) LINE

FROM THE (E) (W) LINE

PRINCIPLE CONTRACTOR: MCPHERSON DRILLING Rig #3

SPUD DATE: 11/16/00

COMPLETED DATE: 11/20/00

TOTAL DEPTH: 1143'

GEOLOGIST: Bill Stout

CASING RECORD

	SURFACE	PRODUCTION	COMMENTS:
SIZE HOLE:	11"	6 3/4"	
SIZE CASING:	8 5/8"		
WEIGHT:			
SETTING DEPTH:	68'		
TYPE CEMENT:	Portland		
SACKS:	14		

WELL LOG

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
soil/clay	0	4	coal	1077	1080			
shale	4	41	shale	1080	1094			
lime (wet)	41	46	miss lime	1094	1143			
sandy shale	46	95						
lime	95	111						
shale	111	127						
lime	127	163						
sandy lime (wet)	163	178						
shale/sand	178	260						
lime	260	328						
shale	328	395						
lime	395	403						
shale	403	429						
lime	429	441						
sand	441	457						
shale	457	538						
pink lime	538	578						
shale	578	624						
osw lime	624	647						
summit	647	654						
lime	654	659						
mulkey	659	664						
sand	664	671						
shale/sand	671	1077						