

Sawyer #32-34 Proposed WBD



Details	DEPTH	WELLBORE	DEPTH	Details
			Surf	Top off cement
*Cement is Class G 1.15 cu ft/sk yield 15.8# *OH assume 20% cement loss				
<div> <div></div> Existing Cement <div></div> New Cement </div>				
8-5/8" Surface Casing: (unk cement to surface)	215		265	85sx Cement Plug Surface shoe and surface Isolation (265' plug)
	994			
110sx Cement Plug Fox Hills Isolation (300' plug)	1,294			
	2,350			
110sx Cement Plug Upper Pierre Isolation (300' plug)	2,650			
	6,950			
75sx Cement Plug Niobrara Isolation (200' plug)	7,150			
	7,820			
55sx Cement Plug J Sand Isolation (150' plug)	7,970			
	8,001			
7-7/8" Production Hole TD:	8,001			

WELL:		Sawyer #32-34				
LOCATION:		W2SE	Sec 32	1N	65W	
		1320 FSL	1980 FEL	40.004129,-104.685305		
FORMATION:		J SAND	4/1/1989 Dry Hole			
API #:		05-123-14235				
Field:		WATTENGERG - #90750				
CURRENT STATUS:		4/1/1989 PA				
Spud:		3/25/1989				
Casing and Tubular Data						
Type	Size	Weight	Top	Bottom	Hole Size	Assumption
Surface	8-5/8"	24 ppf	0	215'	unk	12-1/4"
Open Hole	unk	n/a	0	8,001'	unk	7-7/8"
Elevation Data						
GL	5056	feet				
KB	5069	feet				
Difference	13	feet				
Formation Tops Data						
Formation	Depth					
Base of Fox Hills	1,244	MD				
Base of Upper Pierre	2,600	MD	Est From Induction Log			
Niobrara	7,100	MD	Est From Induction Log			
Bentonite	7,752	MD				
D Sand	7,857	MD				
Huntsman	7,869	MD				
J Sand	7,920	MD				
Skull Creek	7,968	MD				