

Hallet #1 Proposed WBD

DESCRIPTION	DEPTH	WELLBORE
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Well Completion Details		Well Completion Diagram		Well Completion Notes	
<p>*All new cement is Class G 1.15 cu ft/sk yield</p> <p>*Behind pipe has 20% excess cement</p> <p>Existing Cement</p> <p>New Cement</p>				<p>Top off at Surface</p>	
<p>8-5/8" Surface Casing:</p> <p>(cement to surface)</p>	<p>120'</p>	<p>The diagram shows a well completion from the surface to the total depth (TD). It includes an 8-5/8" surface casing, a 5-1/2" casing with an overshot and packoff, and a 4-1/2" production casing. Cement plugs are shown at various depths, and a sand plug is located between 6595' and 6800'. The diagram also shows the location of the TOC (estimated) and the J-Sand Perforations.</p>		<p>Pump 60 sks, 1.15 Yield, 15.8 ppg cement balance plug in open hole and surface casing for Surface Shoe Isolation (170' plug)</p>	
				<p>Pump 75 sks, 1.15 Yield, 15.8 ppg cement balance plug in open hole for Fox Hills Isolation (200' plug)</p>	
				<p>5-1/2" casing w/ overshot and packoff</p> <p>*Pulled after bottom plugs are set</p>	
				<p>Perf @ 2,550'</p> <p>CICR Set @ 2,500'</p> <p>Pump 55 sks, 1.15 Yield, 15.8 ppg cement behind 4-1/2" csg</p> <p>Leave 15 sks, 1.15 Yield, 15.8 ppg cement inside 4-1/2" on top of CICR for Upper Pierre Isolation (200' plug)</p>	
				<p>Perf @ 6,040'</p> <p>CICR Set @ 5,840'</p> <p>Pump 55 sks, 1.15 Yield, 15.8 ppg cement behind 4-1/2" csg</p> <p>Leave 15 sks, 1.15 Yield, 15.8 ppg cement inside 4-1/2" on top of CICR for Niobrara Isolation (200' plug)</p>	
				<p>15sx Cement Plug</p> <p>D Sand Isolation (150' plug)</p>	
				<p>5sx cement (55' plug) exisitng</p>	
				<p>Sand from 6969' to 6800' covering perforations</p> <p>6695'-6899'</p>	
<p>J-Sand Perforations:</p> <p>6855'-6890'</p>					
<p>4-1/2" Production Casing:</p> <p>(7-7/8" Hole)</p> <p>200 sx cement</p>	<p>6,956'</p>			<p>TD</p>	

WELL:	Hallet #1		
LOCATION:	NESE	35	10N 59W
	920 FSL	650 FEL	(Planned)
	40.789817, -103.938521		
FORMATION:	JSND	7/9/1974	
API #:	05-123-07350		
Field:	WILDCAT - #99999		
CURRENT STATUS:	PA		
	Spud: 10/30/1971		
	P&A: 7/9/1974		

Casing and Tubular Data					
<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole Size</u>
Surface	8-5/8"	20 ppf	0	120'	12-1/4"
Production	4-1/2"	10.5 ppf	1,000'	6,956'	7-7/8"

Elevation Data		
GL	4981	feet
KB	<u>4992</u>	feet
Difference	11	feet

Formation Tops Data			
<u>Formation</u>	<u>Depth</u>		
Base of Fox Hills	555	MD	
Base of Upper Pierre	2500	MD	Assumed
Niobrara	5990	MD	
Carlile	6310	MD	
D Sand	6748	MD	
J Sand	6840	MD	
Skull Creek	6945	MD	