

<b>Hertha A</b>				<b>Date:</b> 8/21/2020				
<b>Location:</b> 40.30089 -105.13039		<b>Field:</b> Berthoud 6205		<b>Formation:</b>		<b>Niobrara</b>		
<b>County:</b> Larimer Colorado		<b>SWNW Sec 21 4N 69W</b>						
<b>API#</b> 05-069-06056			<b>Size, in</b>	<b>Wgt, lb/ft</b>	<b>Grade</b>	<b>Hole Size</b>	<b>Depth</b>	<b>Sx. Cmt</b>
<b>GL:</b>		<b>Surf. Csg:</b>	8 5/8	32		12 1/4	402'	350
<b>KB:</b>		<b>Casing:</b>	5 1/2	17		7 7/8	3729'	310
<b>Spud:</b>	10/21/1976	<b>KOP:</b>	NA	<b>Lateral:</b>				
<b>TVD:</b>	5210'	<b>MPBD:</b>	3168'	<b>Lateral:</b>				

Surface casing  
177'

15 sx at surface  
Cut and Cap at least 4' below GL

Perf and squeeze  
100 sx at 450' to surface

Perf and squeeze  
50 sx at 1000'

2 sacks cement  
CIBP 2856'

NB  
2906'-3105'  
50 holes

Cement sheath top  
2237'

Casing  
3729'

Niobrara	2839
Timpas	3135
Codell	3153
Greenhorn	3226
Muddy	3613
Dakota	3795
Lakota	3840
Morrison	3895
Entrada	4209
Lyons	5097

Tubing:   None							
OD			Thread		WT		Grade
OD			Thread		WT		Grade
Rods:	No.	Length	Type	Pump:			
				Type:			
				Size			
				Barrel			
				Spaced @			
				Pumping Unit			
				Stroke:		Sheave:	Tbg Spool:
				SPM:		Belts:	
Subs:			Motor:			Size or HP:	
Tubing & BHA				TD	PBTD	KB	
Joints	Description			Length	Set @	Formation:	
						Nisku	
						Perforations:	

**TVD 5210'**