

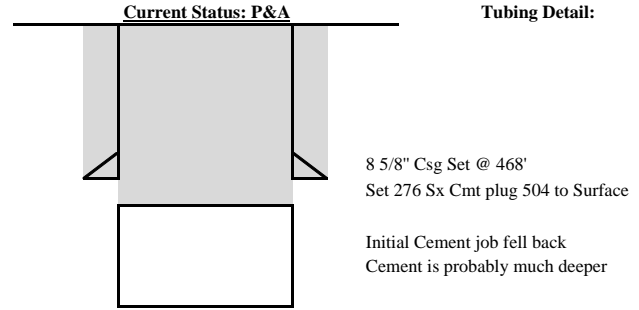
Wellbore Diagram

Lease & Well No.	Crystal State #55-8
Field Name	Wattenberg
Location	1,320' FNL & 1,320' FWL; T3N R62W Sec 8

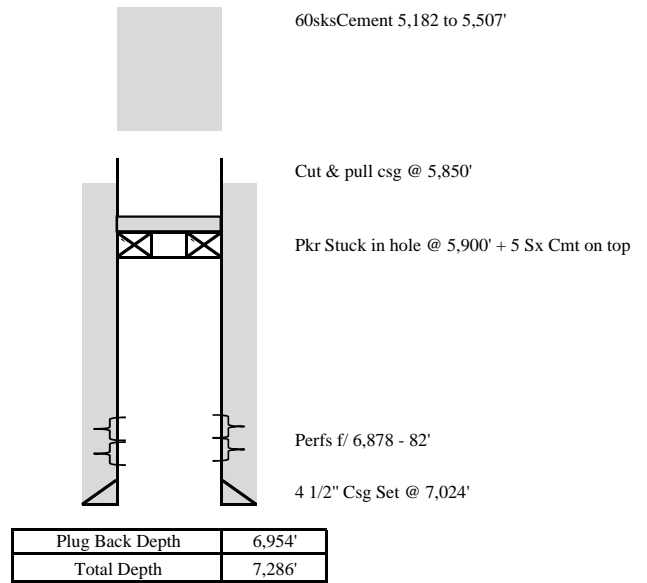
Operator	Crystal Expl. & Prod. Co
County & State	Weld County, Colorado
API No.	05-123-09280

K.B. Elevation	
D.F. Elevation	
Ground Level	4,690'

Surface Casing					
Hole Size	12 1/4"	Csg Wt	24.0#	Depth	468'
Csg Size	8 5/8"	Sx. Cmt.	300 sx	TOC @	Surface
Intermediate Casing					
Size (OD)	n/a	Weight		Depth	
Grade		Sx. Cmt.		TOC @	
Production Casing					
Hole Size	7 7/8"	Weight	10.5#	Depth	7,024'
Csg Size	4 1/2"	Stg 1 Sx. Cmt.	385 sx	TOC @	6,050'
DV Tool		Stg 2 Sx. Cmt.		TOC @	



Well History
08/24/77 - Spud well
09/23/77 - Complete well
09/24/80 - P&A well; Attempt to retrieve pkr; Pkr stuck @ 5,900'; Set 5 sx of cmt on top of Pkr
Cut Csg @ 5,850'; Set 15 sx cmt 1/2 in, 1/2 out of surface csg; Set 10 sx plug at surface



Formation Record	Depth	
B/ Fox Hills	446'	Est
Sussex		
Niobrara	6,179'	
Niobrara 'B'		
Niobrara 'C'		
Ft Hays		
Codell		
J-Sand		