



PO&G Operating LLC
Wellbore Sketch

Date **July 8, 2009**

Well Name **HRMU #7**
Field Name **Harker Ranch**
County **Cheyenne**
State **Colorado**

Legal Location **NE SW Sec 12, 13S, 43W**
Coordinates: **38.935049 -102.177269**
Unit No. _____
API No. **05-017-07080**

KB: _____
GL: **4066'**

CASING			
Size	Description	Top	Bottom
8 5/8"	24#	0'	596'
5 1/2"	14#	0'	5399'

CEMENT	
Pipe Size	Description
8 5/8"	275 sx
5 1/2"	300 sx

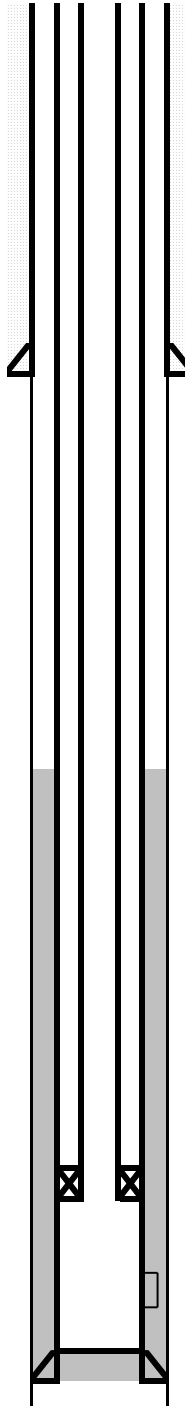
TUBING STRING			
Description	Length	Depth	
166-2 7/8" J55	5203'	5203'	
XO			
4'-2 3/8" sub			
sn			
Arrowset 1x packer			

RODS / PUMP		
Description	Length	Depth

PUMPING UNIT	
Manuf'r:	
API Size:	
Crank Hole:	

PRIME MOVER	
TYPE	SIZE

FLUID PROPERTIES	
API Grav	Chlorides



TOC : 4120' (calculated)

Packer @ 5218'

Morrow Perfs:
5253'-5259'

PBTD **5320'**
RTD **5408'**