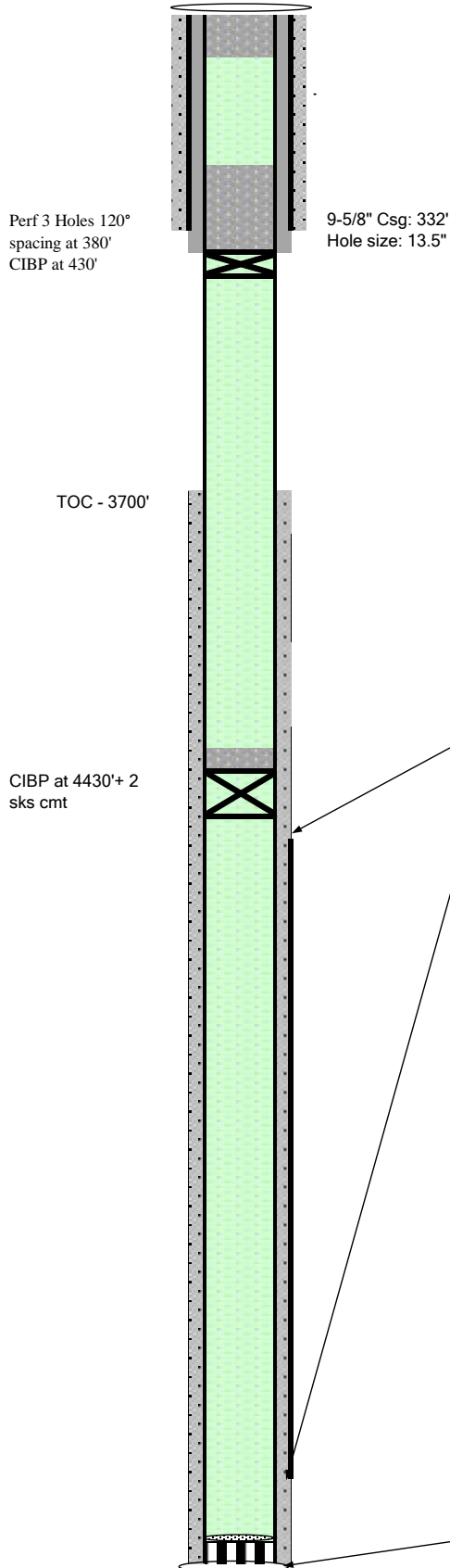




Exploration and Production

Well P&A Procedure



Well Name **GM 33-2**
 Location **NWSE 2-7S-96W**
 Field **South Grand Valley**
 County **Garfield, CO**
 API **05-045-07128**
 ELEV **5,202'**
 Footages **1900 FSL 1860 FEL**

Spud 02/14/1997

Conductor		
Casing	332'	9-5/8" 36#
Cement	175 sx	Class G
Casing	6271'	4-1/2" 11.6# & 12.6# N-80
Cement	1120 sx	Class G

Tubing **5875'**

Formation Tops

Mesaverde **3200'**

TOC - Bond Log 3700'

Completed Intervals

	<u>Depth</u>	<u># Holes</u>
MV	4482' - 6101'	80

P&A Calculations

4-1/2" OD csg in 7-7/8" hole, 0.0406 bbls/ft, 0.2278 ft³/ft
 4-1/2" OD csg in 9-5/8" 36# csg, 0.0576 bbls/ft, 0.3236 ft³/ft
 4-1/2" OD 11.6# csg capacity, 0.0155 bbls/ft, 0.0872 ft³/ft
 0.96 ft³/sks, cement yield

15.4 sks, 2.6 bbls, 4-1/2" 11.6# csg in 7-7/8" hole, 50 ft, 30% excess
 16.9 sks, 2.9 bbl, 4-1/2" 11.6# csg in 9-5/8" 36# csg, 50-ft
 9 sks, 1.6 bbls, 4-1/2" 11.6# csg, 100-ft
 4.5 sks, 0.8 bbls, 4-1/2" 11.6# csg, 50-ft
 16.9 sks, 2.9 bbl, 4-1/2" 11.6# csg in 9-5/8" 36# csg, 50-ft

62.7 Total Sks Cement, 15.5#, 0.96 ft³/sks
10.8 Total Bbls Cement

TD **6271', 4-1/2" Csg, Hole Size, 7-7/8"**