



Exploration and Production P&A

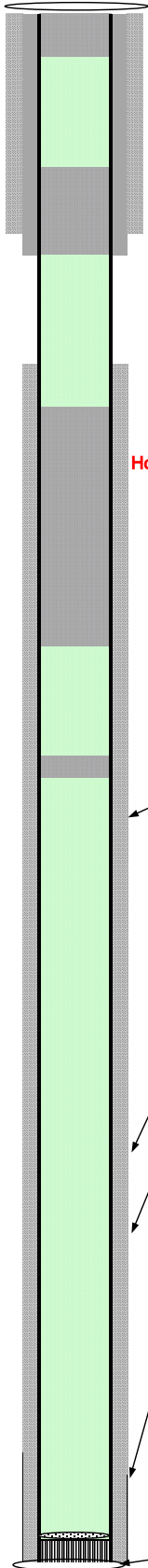
Pump 43 sks in 4-1/2" and in annulus

3 Perfs-1150' CIBP at 1200' Pump 35 sks

CICR @ 3661' Pump 35 sks

TOC - 3500'

CIBP @ 5000' + 2 sks cement



9-5/8" Csg: 1103'
Hole size: 13.5"

Hole interval 3729-4020'

Well Name **GM 434-36**
Location **SWSE 36 6S 96W**
Field **Grand Valley**
County **Garfield, CO**
API **05-045-14137**
ELEV **5,439'**
Footages **838 FSL, 2415 FEL**

Spud 04/26/2002

Conductor	1103'	9-5/8" 32.3# H-40
Casing	315 sx	
Cement	6872'	4-1/2" 11.6# I-80
Casing	845 sx	

Tubing **0**

Formation Tops

Mesaverde	3687'
Cameo	6214'

TOC - Bond Log **3500'**

Completed Intervals

	<u>Depth</u>	<u># Holes</u>
<u>MV</u>	5060-6040	56
<u>Cameo</u>	6146-6673	41

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" 32.3# csg, 0.0588 bbls/ft, 0.3313 ft³/ft
 4-1/2" OD 11.6# csg capacity, 0.0155 bbls/ft, 0.0872 ft³/ft
 1.14 ft³/sks, cement yield
 Theoretical Volumes:
 12.9 sks, 2.6 bbls, 4-1/2" 11.6# csg in 7-7/8" hole, 50 ft, 30% excess
 14.4 sks, 2.9 bbls, 4-1/2" 11.6# csg in 9-5/8" 32.3# csg, 50-ft
 7.6 sks, 1.6 bbls, 4-1/2" 11.6# csg, 100-ft
 3.8 sks, 0.8 bbls, 4-1/2" 11.6# csg, 50-ft
 14.4 sks, 2.9 bbl, 4-1/2" 11.6# csg in 9-5/8" 32.3# csg, 50-ft

TD

6872', 4-1/2" Csg, Hole Size, 7-7/8"