



Exploration and Production P&A

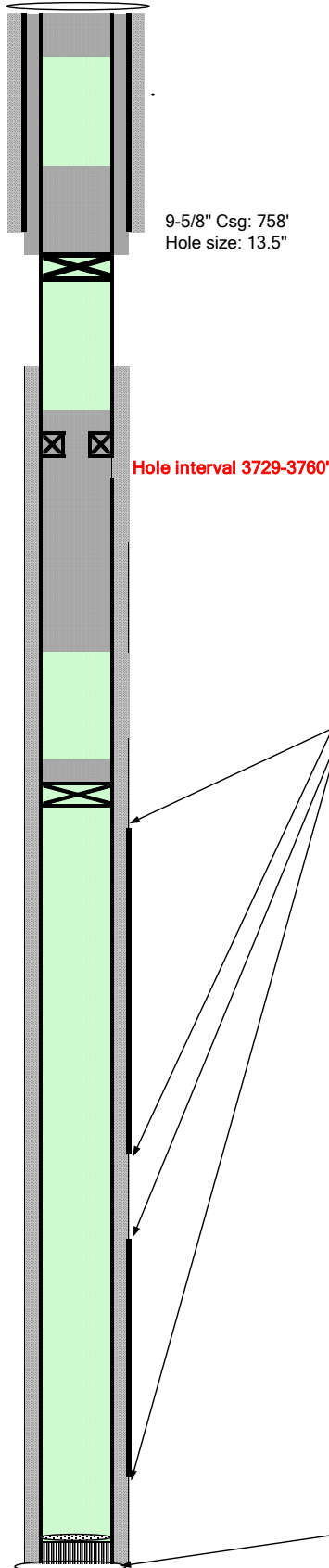
Pump 25 sks in 4-1/2" and in annulus

3 Perfs-810'
CIBP at 860'
Pump 35 sks

CICR @ 3590'
Pump 52 sks

TOC - 4200'

CIBP @ 5040' +
2 sks cement



9-5/8" Csg: 758'
Hole size: 13.5"

Hole interval 3729-3760'

Well Name **GM 238-36**
Location **SWSE 36 6S 96W**
Field **Grand Valley**
County **Garfield, CO**
API **05-045-07918**
ELEV **5,442'**
Footages **828 FSL, 2428 FEL**

Spud 04/26/2002

Conductor		
Casing	758'	9-5/8" 32.3# H-40
Cement	340 sx	
Casing	6812'	4-1/2" 11.6# I-80
Cement	705 sx	

Tubing **6097'**

Formation Tops

Mesaverde	3530'
Cameo	6012'

TOC - Bond Log **4200'**

Completed Intervals

	<u>Depth</u>	<u># Holes</u>
<u>MV</u>	5089 -6225	50
<u>Cameo</u>	6360-6618	20

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

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

53.1 Total Sks Cement, 15.8#, 1.14 ft³/sks
10.8 Total Bbls Cement

TD **6812', 4-1/2" Csg, Hole Size, 7-7/8"**