

WELL NAME: HOC Fed Com # 4 FIELD: Indian Basin Upper Penn Assoc.
 LOCATION: 236' FNL & 143' FWL, S18-T22S-R24E, BHL 660' FNL & 1,980' FEL S13-T22S-R23E
 GL: 4,087' ZERO: KB:
 SPUD DATE: 5-19-2001 COMPLETION DATE: 7-23-2001
 COMMENTS: API# 30-015-31754

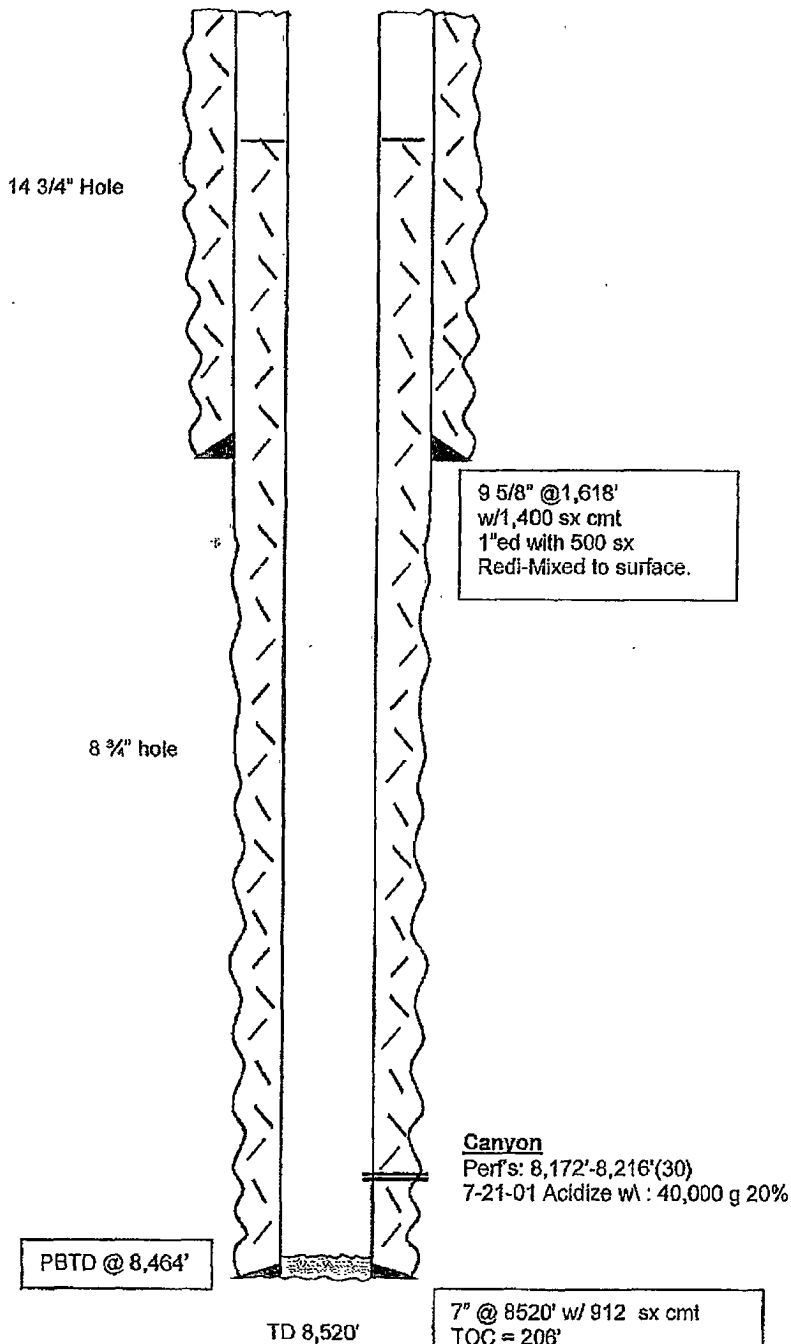
CASING PROGRAM

9 5/8" 36# J-55	1,618'
7" 26# N-80 284'	
7" 23# J-55 4,847'	
7" 26# J-55 2,128'	
7" 26# N-80 309'	
7" 26# N-80 968'	8,520'

Before

Tops

San Andres	650'
Glorieta	2,292'
Bone Springs	3,032'
2 nd B Springs Sd	3,652'
3 rd B Springs Sd	7,122'
Wolfcamp	7,304'
Cisco	8,170'



Not to Scale
 12/06/11
 Hill

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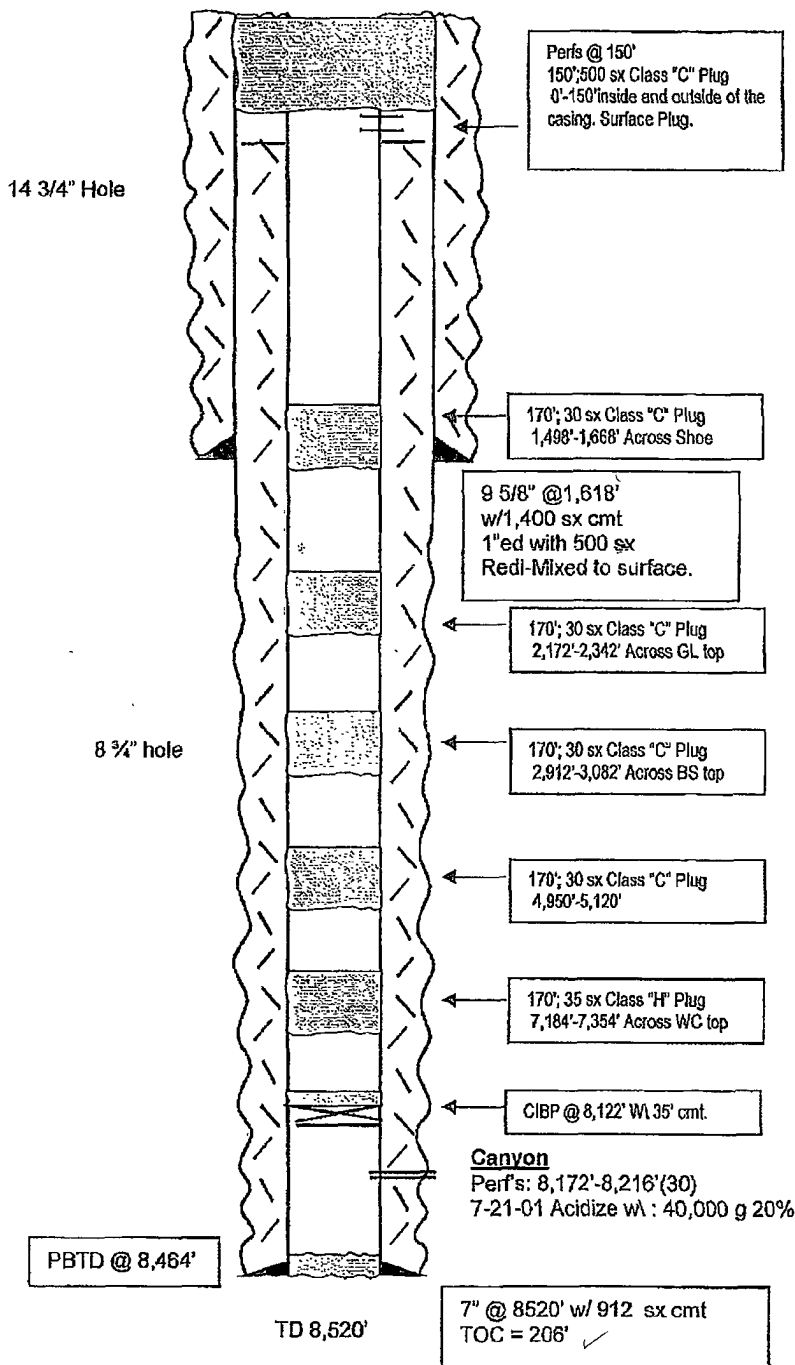
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