

## SANTA FE PACIFIC #12

1/3 (37) 10,967 drlg lm & sh, 8-3/4" hole, NND 10.0-42-6% Oil

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1/4 (38) 11,060 drlg lm & sh, 8-3/4" hole, NND 10.0-41-6% oil

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1/5 (39) 11,202' drlg lm & sh, 8-3/4" hole, NND. 10.0-42-6% Oil

## SANTA FE PACIFIC #12

1/6 (40) 11,380 drlg lm & sh, 8-3/4" hole, NND. 10.0-40-6% oil.

1/8 (42) 11,552 drlg lm & sh, 8-3/4" hole, 10.0-41-7% oil.  
1 1/2 @ 11,460.

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1/9 (43) 11,657 drlg lm & ch, 8-3/4" hole, 10.0-42-6% oil.  
1 1/2 @ 11,655.

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1/10 (44) 11,780 drlg lm & sh, 8-3/4" hole, NND. 9.8-45-15.0, 6% oil.

## SANTA FE PACIFIC #12

1/11 (45) 11,865 drlg lm & sh, 8-3/4" hole, NND.  
9.8-45-10.0, 7% oil.

## SANTA FE PACIFIC #12

1/12 (46) 11,908 drlg sh, 8-3/4" hole, NND. 9.8-55-10.0, 7% oil.

## SANTA FE PACIFIC #12

1/13 (47) 11,980 drlg lm & sh, 8-3/4" hole, NND. 9.8-56-10.0, 7% oil.

1/15 (49) 12,090 drlg sh, 8-3/4" hole, 9.8-58-10.0, 7% oil.  
1° @ 12,000.

## SANTA FE PACIFIC #12

1/16 (50) 12,120 ND lm, 8-3/4" hole, 1/4 @ 12,120, 9.8-57-10.5, 6% oil.  
circ for samples @ 12,108/1-3/4 hrs, circ @ 12,120/3 hrs, POH,  
Schl running OH logs past 9 hrs, loggers TD 12,113.

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1/17 12,120 ND lm, 8-3/4" hole, 9.8-58-10.0, 6% oil.  
Schl ran dual Lateralog, BHC-S-GR & SNP logs in total 16 hrs,  
left 1" x 1/8" x 3' spring in hole, ran 8" magnetic bskt w/  
junk bskt in DC's & DP to 12,120, circ 3 hrs, POH, stood  
165 jts of DP in derrick, LD remainder of DP & DC's, did not  
rec spring, now running 7" liner 10 jts in hole.

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1/18 12,120 TD lm, 8-3/4" hole, WOC 7" liner, ran 7309' 7" OD  
26.0# & 23.0# S-95 & N-80 8rd LT&C csg to 12,119, set w/  
BOT Type C liner hanger, top of liner @ 4810, Howco cmtd  
liner @ 12,119 w/ 1600x TLLW cmt + 200x Class C Neat cmt  
containing .04% HR-4, PD @ 3:30 p.m. 1/17/73, POH w/ liner  
setting tool & DP, WOC 5 hrs, ran 8-3/4 bit to 4810, no  
cmt on liner top, displ hole to FW, P & LD DP, RD & Rel  
Marcum Drlg Co rig @ 7:00 a.m. 1/18/73, prep to MOR.