

VACA RIDGE 21 FEDERAL NO. 1

PITCHFORK RANCH FIELD

660' FSL & 1980' FEL
SEC. 21 T-24-S, R-34-E

LEA COUNTY, NM
PROPOSED WELL COMPLETION

ALB: 10/13/93
FILE: VACA21B.DRW

WELL HISTORY:

SPUD: 3/25/84

PACKER FLUID:
10 #/GAL FILTERED BRINE

TUBING:
ATLAS BRADFORD DSS-HTC
2 7/8" 8.7# N-80 (0-1802')
2 7/8" 6.5# N-80 (1802'-12415')
TAIL PIPE:
2 7/8" 6.5# N-80 (12441'-14206')
2 OTIS R NIPPLES (ID=2.125")
AT +/- 12,470'

TUBING ID'S:
2 7/8" 8.7# (ID=2.259")
2 7/8" 6.5# (ID=2.441")

LINER TOP PACKER:
4" O.D. RLA W/ 3" I.D. X
30' PBR, 2 OTIS R NIPPLES
SET IN LINER TOP

4 1/2" OTIS PERMA PKR:
(2.55" ID) SET @ 14,620'
TAIL PIPE: 1 JT. 2 3/8" 4.7# P-105,
1.875" OTIS X NIPPLE, 1 JT. 2 3/8"
4.7# P-105, 1.791" OTIS XN NIPPLE,
1 JT. 2 3/8" 4.7# N-80

SURF. CSG:
13 3/8", 54.5# K-55 STC
(ID=12.615")
TOC @ SURFACE (CIRC.)
600'

INT. CSG:
9 5/8" 36# K-55 (0-3428')
9 5/9" 40# N-80 (3428'-5172')
(36# ID=8.921")
(40# ID=8.835")
TOC @ SURFACE (CIRC.)

PROD. CSG:
7" 26# P-110 (0-6510')
7" 26# S-95 (6510'-13012')
(ID = 6.276")
TOC @ 5,950' (TEMP)

TOL @ 12,441'

PROD. LINER:
4 1/2", 15.1# P-110
(ID= 3.826")
TOC @ TOL

MORROW PERFS:
14,457-74 (4SPF, 68 HOLES)
14,488-500 (4SPF, 48 HOLES)

SQUEEZED PERFS: 14544,46,48,50

14,793-98;14,801-08;
14,810-22;14,826-33
(4SPF, 124 HOLES)

TD = 15,200'

PBTD = 15,135'

