



VINTAGE PETROLEUM, INC.

DATE 7-21-86

ENGINEERING CHART

BY 52

SUBJECT Miller & Olsen #1

Current Wellbore

Sec 3 - T8S-R28E

Chaves Co., New Mexico

8 3/8" surface csg @ 265'; 2 1/4" A; K-55, cmt to surface w/ 150 g.

Hole in csg @ 650'

9 3/8" rod
1 1/2" x 2" x 10' pump

TAC @ 810' (log)

2 3/8" tbg type unknown
setting unknown
Bottom Hole assembly unknown

Perf: 2448, 49, 69, 70, 75, 76, 80, 81, 84 + 85 x 15PF Acidize w/ 6000 gal 20% NEFE

Howco EZ SV retainer @ 2507 cmt w/ 100.5X

Perf: 2523-75 (selective) Acidize w/ 8900 gal 20% NEFE

PBTD @ 2670'

4 1/2" csg @ 2718'; 9.5" A; K-55, cmt w/ 650 g.
TD @ 2720'