

LEASE NO: LC 032099A
LEASE NAME & WELL NO: LOCKHART A-18 #7
API #: 30-025-32141
COUNTY & STATE: LEA, NM

LINE 31: PERFORATION RECORD (INTERVAL, SIZE & NUMBER)
PERF LOWER 7 RVRS/QUEEN W/ 1 JSPF @ 3405, 3409, 3418, 3424, 3432,
3444, 3454, 3457, 3482, 3485, 3489, 3493, 3497, 3507, 3511, 3542,
3555, 3589, 3592, 3612, 3630, 3642, 3647, 3651, 3657, 3665, 3671 &
3677.

PERF YATES & UPPER 7 RVRS W/ 1 JSPF @ 3146, 3153, 3162, 3172,
3176, 3181, 3189, 3193, 3199, 3215, 3227, 3234, 3240, 3246, 3251,
3276, 3299, 3305, 3315, 3323, 3348 & 3353.

LINE 32: ACID, SHOT, FRACTURE, CEMENT SQUEEZ3, ETC.

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
3405 -- 3677	ACID W/ 2800g 7.5% NEFE HCL DIVERTES W/ 46 1.3 BALL SEALERS, FLUSH W/ 27 BBL KILL FLUID. FRAC W/ 28,000g 70 QUALITY CO2 FOAM PAD, FOLLOWED W/ 45,000g 60 TO 50 QUALITY CO2 FOAM, PUMPING 194,000# 12/20 OTTAWA SAND.
3146 -- 3353	ACID W/ 2200g 7.5% NEFE HCL W/ 34 1.3 BALL SEALERS, FLUSH W/ 20 bbl KILL FLUID. FRAC W/ 22,000g 70 QUALITY CO2FOAM PAD, FOLLOWED W/ 30,000g 60 TO 50 QUALITY CO2 FOAM, PUMPING 12/20 OTTAWA SAND 1# TO 8#.