

LEASE NO: LC 031741A
LEASE NAME & WELL NO: HAWK B #5
API #: 30-025-21225
COUNTY & STATE: LEA, NM

LINE 31: PERFORATION RECORD (INTERVAL, SIZE & NUMBER)
PERF QUEEN/PENROSE W/ 1JSPF AT: 3394, 3411, 3427, 3430, 3431,
3459, 3467, 3471, 3484, 3487, 3499, 3507, 3511, 3514, 3533, 3543,
3550, 3561, 3565, 3567, 3623, 3626, 3631, 3640, 3643, 3659, 3661,
3751, 3754, 3762, 3764 AND 3770 TOTAL OF 33 HOLES

PERF SEVE RIVERS W/ H JSPF AT: 3000, 3010, 3014, 3034, 3051, 3057,
3066, 3093, 3098, 3108, 3122, 3124, 3126, 3133, 3163, 3165, 3169,
3195, 3198, 3201, 3214, 3216, 3222, 3232, 3233, 3257, 3263, 3270,
3293, 3296, 3301, 3316, 3326 AND 3333 TOTAL OF 34 HOLES.

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

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
3394 - 3770	ACID W/ 75 bbl 15% NEFE HCL, FLUSH W/ 36 bbl FILL FLUID.
3000 - 3333	ACID W/ 60 bbl 15% NEFE HCL W/ 1.5 BALLS AS DIVERTER, FLUSH W/ 35 bbl KILL FLUID. FRAC W/ 12,000g 70 QUALITY PAD, 19,523g 60-50 FRAC & 12/20 OTTAWA SAND 1# TO 3#. FLUSH W/ 28 bbl FOAM.
CIBP SET @ 6509' W/ 8 SX CMT ON TOP.	
CIBP SET @ 5692' W/ 8 SX CMT ON TOP.	