

State AF #2  
Vacuum Wolfcamp East  
Lea County, Texas

4. RIH W/7" 32# x 2-1/2" HOWCO RTTS PKR & 2-7/8" API SN ON 2-7/8" 6.5# N-80 OR L-80 WS TO  $\pm 9750'$ . RUN SV IN PLACE. LOAD 2-7/8" WS W/2% KCL WTR ( $\pm 55$  BBLS W/ REVISED PER EMULSION TEST, SEE NEXT PAGE. PRESS TEST TBG TO 4000 PSI SURF PRESS. FISH SV. SET PKR. ND BOP. NU WH.
5. MIRU HOWCO. ACDZ WOLFCAMP PRFS 9864-9900' W/ 5000 GALS 20% NEFE HCL AT 3-4 BPM IN ONE STAGE. MAX WHTP 4000 PSI. EST WHTP 3100 PSI. ANTICIPATED BDP 4000 PSI. DIVERT ACID USING 104 7/8" 1.1 SP.GR. RCN BS SPACED EVENLY THRUOUT ACID. FLUSH TO BTM PERF W/ 2600 GALS 2% KCL WTR W/ REVISED PER EMULSION TEST, SEE NEXT PLACE.
6. FLOW/SWAB BACK L&AW. EVALUATE FLUID ENTRY RATE AND CONTENT. IF FOUND TO BE NON-PRODUCTIVE, POH W/ TBG & PKR. SET CIBP AT  $\pm 9800'$ . DUMP 2 SX CMT ON TOP. POP AS BEFORE.
7. IF WOLFCAMP PRODUCTIVE AND CAPABLE OF FLOWING, EVALUATION OF KILLING WELL TO PULL RENTAL WS & RTTS PKR WILL BE MADE.
8. IF WOLFCAMP PRODUCTIVE BUT REQUIRES PUMPING, CONTINUE AS FOLLOWS:  
ND WH. NU BOP. POH W/ 2-7/8" WS & RTTS PKR LAYING DOWN. RIH W/ BP MUD ANCHOR, PERF SUB, SN, 3 JTS 2-7/8" TBG & TAC ON 2-7/8" 6.5# J-55 PROD TBG. TS  $\pm 9956'$ , MA  $\pm 9924'$ , PS  $\pm 9920'$ , SN  $\pm 9919'$ , TAC  $\pm 9824'$ . (NOTE: WILL REQUIRE ADD'L 850' 2-7/8" TBG ( $\pm 28$  JTS), CONTACT HAROLD WHITE). ND BOP. NU WH.
9. RIH W/ 2-1/2" x 1-1/4" x 24' RHBC ROD PUMP ON 86 TAPER D & KD GRADE ROD STRING. ADD 13- 1", 18- 7/8" & 4- 3/4" INSPECTED KD RODS TO STRING. SPACE OUT W/ A NEW SET OF KD PONY RODS. RLSE RIG.
10. TEST AT 1.25x64x10, CURRENT UNIT SETTING (MAX PRODUCTION CAPACITY 81 BPD). MAXIMUM PRODUCTION SETTING FOR UNIT 1.25x74x12 = 145 BPD, TO BE ALTERED IF NECESSARY.

ADDITIVES FOR 20% NEFE HCL

2 GPT	HAI-60	(Corrosion Inhibitor)
2 GPT	LOSURF-300	(NE Surfactant)
10 GPT	FE-2L	(Citric Acid for Iron Control)

FOR 2% KCL

2 GPT	15-N	(NE SURFACTANT)
2 GOT	AS-5	(ANTI-SLUDING AGENT)