

RECOMMENDED WORK PROCEDURE

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WELL NO. 1

WELL NAME MAUDE RICKMAN COM.

ANNUAL FLUID PRIOR TO WORKOVER 4% KCL TREATED W/ UNICHEM TECHNI-HIB 370 W/O FLUID TO BE USED 9.5 PP6 MLF

WT. (LBS/GAL.)	ZONE	HYD. PRESS	RES. PRESS
<u>9.5</u>	<u>ATOKA</u>	<u>5580</u>	<u>N/A</u>
	<u>MORROW</u>	<u>5876</u>	<u>N/A</u>

NOTE: NOTIFY L.A. CLEMENTS NMOCC ARTESIA (505-748-1283) 24 HRS PRIOR TO WORK

1. MIRU PU. KILL WELL W/ 9.5 #/GAL MLF. ND WELLHEAD. NU & TEST BOP.
2. RELEASE BAKER LOK-SET (7") PKR @ 11,192. SPOT 60 BL. 9.5 #/GAL FROM 12,045' TO 10,480' & POH W/ 365 JTS 2 3/8" EVE N-80 TBG + BAKER (7") LOK-SET PKR + 28 JTS 2 3/8" EVE BRD N-80 TBG + 2 3/8" SN
3. MIRU WIRELINE SERVICE
4. GIH W/ 7"-26# GR & JB TO 11,600. POH
5. GIH W/ 7"-26# CIBP ON WIRELINE & SET @ $\pm$ 11,558' (COLLARS 11,531', 11,567'*) POH. (ISOLATE MORROW)
6. GIH W/ DUMP BAILER & DUMP BSX (50') CLC CMT ON CIBP TOC @ 11,508' POH.
7. GIH W/ 7"-26# CIBP ON WIRELINE & SET @ 11,228' (COLLARS 11,200', 11,244'*) (ISOLATE ATOKA)
8. GIH W/ DUMP BAILER & DUMP BSX (50') ON CIBP FROM 11,228' TO 11,178' POH
9. GIH W/ 7"-26# CIBP ON WIRELINE & SET @ 10,380' (COLLARS 10,358', 10,398'*) POH
10. GIH W/ DUMP BAILER & DUMP BSX (50') ON CIBP FROM 10,380' TO 10,330' POH. NCW PBTD
11. PRESSURE TEST CASING & PLUG TO 1000 PSI FOR 15 MIN (REQUIRED BY NMOCC)
12. GIH W/ 7" BAKER LOK-SET PKR + BAKER "EL" TBG. SEAL RECP. + 2 3/8" EVE BRD N-80 TBG TO 10,300'. TEST TBG TO 7000 PSI GIH.
13. REVERSE CIRCULATE HOLE CLEAN W/ 4% KCL WATER TREATED W/ APPROVED PKR. FLUID (LISTED BELOW). POH.
14. PULL PKR. TO 10,120' & SET. PRESSURE TEST ANNULUS TO 1000 PSI FOR 15 MIN.
15. ND BOP, NU WELLHEAD. SWAB TBG FLUID LEVEL TO $\pm$ 9,875'.
16. GIH W/ THRU TBG PERF GUN (TOP & BOTTOM DECENTRALIZED) & PERFORATE 10,172' TO 10,182' & 10,186' TO 10,196' * LOG W/ 1-SSPF (PREMIUM CHARGES). 22 HOLES POH
17. SWAB / FLOW WELL FOR EVALUATION. CATCH FLUID SAMPLES FOR COMPATIBILITY TESTS.
18. IF STIMULATION IS NECESSARY, ACIDIZE W/ 4400 GAL. DINE FE 15% HCL W/ CLAY STABILIZERS, FOAMERS, & FRICTION REDUCERS, FOAMED TO 70 QUALITY FOAM W/ N₂ DROP 33 BALLS 1.1 SG.
19. SWAB / FLOW WELL BACK IMMEDIATELY UNTIL LOAD IS RECOVERED.

*WESTERN CO. GR-CCL 4-15-74

PROCEDURE GIVEN BY LA CLEMENTS NMOCC ARTESIA

W L REEVES 12-19-83

KR. FLUID: NL-COAT B-1400, TRET. KW 37, CHAMP. CORTRON 2207, UNICHEM TECHNI-HIB 370