

**RECOMMENDED WORK PROCEDURE** Sun-5036-3-C

WELL NAME		FIELD NAME	COUNTY	STATE
Mescalero Ridge 'B' Fed. No. 1		Mescalero Escarpe	Lea	New Mexico
PERMANENT ZERO POINT		UPPERMOST PLUG	RETAINER	
KB: 4008 GL: 3996		PBTD: 9102	None	
CASING	SIZE & WEIGHT PROD	DEPTH SET	PACKER DEPTH (TOP) & TYPE	(1) (2) (3)
	5½", 15.5 & 17#, K-55	CS: 9221	None	
TUBING	SIZE, WEIGHT, GRADE, ETC.	DEPTH SET	TOP OF CEMENT BEHIND PROD CSG.	CALCULATED LOG
	2-7/8", 6.5#, J-55	TS: 8781		3300' (T.S.)
P.U. Size: MK640-305-168		DEPTH SET	PERFS	
			Bone Spring Set I 8736-8776, 2 JSPF	

**PROCEDURE**

	RIG TIME
1. MI RU PU. POH w/rods & pump. NU BOP. Rlse TAC. Load hole w/2% KCL fresh wtr. Drop SV to SN. Pressure test tbg to ±5000 psi (if hole is not full, downgrade test pressure accordingly). Fish SV. POH w/2-7/8", 6.5#, J-55 production tbg standing back.	10
2. RIH w/5½", 17# sqz pkr & SN on 2-7/8" prod tbg to ±8500. Set pkr. Howco sqz perfs 8736-8776 w/100 sks Class 'C' cmt w/.4% Halad 9 & 10 lb/sk HDPL-370 (expansive additive). Sqz to max 4000 psi surface press. Rev excess cmt & pull 3 stands. Re set pkr, trap sqz press & SI for 4 hours. Test sqz to 2000 psi. Rlse pkr and POH.	12
3. RIH w/4-3/4" RB & 6 3½" DC's on 2-7/8" prod tbg. DO cmt sqz. Test sqz to 2000 psi. POH.	10
4. Gearhart perf Bone Spring Set I 8736-8752, 2 JSPF, total 33 holes using 4" OD, 23 GC, .48 EH csg gun via Schlum GR/CN-LD log dated 9-17-85. (Cost quote for job \$1065).	2
5. RIH w/5½" RDG pkr (Sun owned stock) & SN on 2-7/8" tbg to ±8650. Set pkr. Swab test perfs natural for evaluation of fluid entry. POH.	10
6. RIH w/5½" B.J.-Titan 'PFT' on 2-7/8" tbg to ±8736 (top perf). Break circ w/NE treated 2% KCL fresh wtr. Round trip tool thru perfs while circ at ±2 BPM. Raise tool back to top perf.	4
7. Circ 500 gals 20% NEFE HCL w/additives* to 'PFT'. SI backside. Pump 250 gals 20% NEFE HCL while moving tool dn thru perfs. Repeat while pulling tool back to top perf. Use treated 2% KCL fresh wtr to displace acid into perfs. SI 15 Min.	1
8. POH w/tbg & PFT.	3
9. RIH w/5½", 17# RDG pkr (Sun owned stock) & SN on 2-7/8" prod tbg to ±8625'. Set pkr. Swab back L&AW. Eval FE rate & content to confirm no channeling or communication has been established. Open bypass and load hole. B.J. Titan spot 1000 gals 20% NEFE HCL w/additives* to ±500' from pkr. Close bypass. Trap 500 psi CP. Disp acid into perfs 8736-52 at ½ BPM at max surf press of 2000 psi. Disp acid using NE treated 2% KCL fresh wtr. Record ISIP, 5, 10 & 15 Min SIP	10
10. Flow/swab back L&AW. Eval FE rate & content to confirm no channeling or communication has been established. Rlse pkr & POH.	10
11. RIH w/2-7/8" production tbg as before, SN ±8784. RIH w/1.5" pump on 86 taper rod string as before. RR.	8
12. Put well in production test at 1.5 X 168 X 10 (100% pump capacity of 375 BPD). Monitor fluid level daily.	-
Total Hours	80

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