## MIDLAND E & P DIVISION

## WELL WORK RECOMMENDATIONS Proposals for Well Reconditioning and Subsurface Maintenance Workovers, Expense DD's, PB's, and Conversions

Lea	ase:	E. O. Carson		We	11 No.	10		
Fie	ld:	Brunson (Ellen)			-			
Cou	inty:	Lea	State	: New Mexic	20			
REC	OMMEN	DED PROCEDURE:						
1.	Move	in a pulling unit and pull t	he producing equ	ipment.				
2.	Set a	a cast iron bridge plug at .;p	proximately 5400	' and cap with	1 20' of	cement (	6 sx)	
3.	Press	ressure test the 7" casing to 2000 psi.						
4.	perfo	5198' 5264'	n, ECl acid in t in the Paddock - 5165' - 15' - - 5208' - 10' - - 5276' - <u>12</u> ' - TAL 37'	Formation with 15 holes 10 holes 12 holes	he hole 1 jet	and shot	•	
	Perfo	orations were selected from L			og dated	11-19-46	•	
5.	gals quant	c down the Paddock Formation of 15%, non-emulsion HCl aci- tity of rubber-covered nylon eximately 55 ball sealers wil	d. Treat at 3 to ball sealers to o	5 BPM and us	e a suf	ficient		
6.	casin	ture the Paddock Formation (5 ng with 25,000 gals 9.0 lb/ga mater should contain the follo	l salt water and	)A - 37 holes) 60,000 lbs 20	down tl -40 Otta	he 7" awa Sand.		

20 lbs/1000 gals of Guar Gum 25 lbs/1000 gals of Adomite Aqua 2 gals/1000 gals of Surfatron 61

Adjust the pH of the water to between 5 and 7. Treat at 50 BPM. Estimated surface treating pressure is 2000 psi at 50 BPM. Use 20 RCN ball sealers distributed evenly throughout the treatment for selectivity.

While injecting the last 10 per cent of the propping agent (6000 lbs), obtain a controlled screen-out by simultaneously reducing the injection rate and increasing the propping dgent concentration. The injection rate should be reduced gradually from the recommended treating rate of 50 bbls/min to between 3 and 5 bbls/min and the propping agent concentration should be increased gradually from the recommended treating concentration of 2.4 lbs/gal to between 6 and 8 lbs/gal.

After the controlled screen-out has been obtained, the well should be shut in immediately. No additional pressure should be applied to the well and no additional fracturing fluid should be pumped through the propping agent pack.

- 7. Shut the well in until the pressure bleeds off or for a maximum of 24 hrs.
- 8. Clean out, swab, and test the weil as required.
- 9. Return the well to production.