## Workover Procedure

McCallister State #7 API#: 30-025-20115-0000 660' fsl & 1780' fwl Section 25, T17S & R34E Vacuum Field Lea County, New Mexico

AFE No.:	307999			Date:	May 10, 1999
AFE Cost:				<b>WI:</b> 100	)%. NRI: 87.5%
AFE Days:	20				
Purpose:	Add Blinebry and Abandon Abo, Wolfcamp, and Penn				
Well Status:	Pumping Oil Well:		Abo Wolfcamp Penn	(8,385' to 9,252' (9,452' to 9,905' (10,000' to 10,15	)
Elevation:	TD: 12,125'	PBTD: 10,178'	KB: 4017'	GL: 4005'	
Squeeze Holes:	5190 to 5122'; 5346' to 5377'; 7478' to 7486'; 8888'; 9400'; 10000				
Surface Casing	: 16" 65# H-40 Se	et at 371'. Cemen	ted with 475 sx T	rinity Reg. Circulat	ed to surface.
Intermediate:	10 3/4" 40.5# J-55 (Surface to 2527'), 45.5# J-55 (2527' to 3742'), 51# J-55 (3742' to 5006'). Cemented w/2750 sx. Trinity Lite & 330 sx Trinity Reg. (Circulated)				
Production:	$7^{"}$ 23# N-80 (Surface to 5816'), 26# N-80 (5816' to 8090'), 29# N-80 (8090' to 10606), 32# N-80 (10606' to 12118'). Cemented in three stages with DV-tools at 10,441' and 7,486'. 1st stage cemented with 495 sx of Trinity Inferno, Contaminated cement circ. off tool. 2nd stage cemented with 625 sx of Trinity Inferno, Good cement circ. off tool. 3rd Stage cemented with 400 sx of Trinity Inferno, TOC at 4,405' from temp survey.				
****	Well history indicates that there is <u>very</u> little primary cement behind the pipe from $\pm$ 6,000' to $\pm$ 8,700'				
Casing:	Grade & Wt. N-80 23# N-80 26# N-80 29# N-80 32#	<b>1.D.</b> 6.366" 6.276" 6.184" 6.094"	Drift I.D. 6.241" 6.151" 6.059" 5.969"	<b>Burst</b> 6,340 psi 7,240 psi 8,160 psi 9,060 psi	<u>Collapse</u> 3,830 psi 5,410 psi 7,020 psi 8,600 psi
Tubing:	Size & Wt. 2 7/8" 6.5# 3 ½" 9.3#	<u>I.D.</u> 2.441" 2.992"	Drift I.D. 2.347" 2.867"	<u>Burst</u> 10,570 psi 10,160 psi	<u>Collapse</u> 11,160 psi 10,530 psi
Rods:	<u>Size</u> 1" 3/4"	<u>Type</u> FG Steel	<u>Number</u> 66 306	<u>Length</u> 2475' 7650'	
Wellhead:	Unknown				

Pressure Info: Estimated. Blinebry Pressure ± 500 psi (2.2 ppg)

Safety:

Run killstring when needed, Install H2S monitoring alarm and rescue equipment.

JRE 05/11/99