

INJECTION WELL DETAIL
 JKARD UNIT - PHASE I EXPANSION
 LA COUNTY, NEW MEXICO

INTERMEDIATE CASING				PRODUCTION CASING				INJ. INTERVALS	
Depth	Cement	Cmt. Top	Size	Depth	Cement	Cmt. Top	Gross Perf. And/Or OH	*Tubing & Packer Set @	
2850'	1300 sx	1405'	7"	6490'	700 sx	2575'	Top Btm.	6440'	
2836'	1000 sx	Circ. (Calc)	7"	6530'	250 sx	5057' (Calc)	6490' 6620'	6500'	PB
2780'	1000 sx	800'	5-1/2"	6629'	300 sx	2829'	6530' 6654'	6500'	
2796'	1000 sx	756'	5-1/2"	6627'	400 sx	2769'	6554' 6609'	6480'	
3595'	200 sx	Circ. (Calc)	4-1/2"	6624'	400 sx	2725'	6530' 6617'	6480'	
2800'	1300 sx	1175'	7"	6530'	700 sx	2850'	6510' 6622'	6460'	
2826'	1500 sx	390'	5-1/2"	6631'	500 sx	2990'	6535' 6618'	6485'	
2850'	1300 sx	550'	7"	6500'	700 sx	2250'	6500' 6624'	6450'	
2866'	1000 sx	Circ. (Calc)	5-1/2"	6487'	300 sx	4710' (Calc)	6487' 6620'	6370'	
2829'	1500 sx	875'	5-1/2"	6600'	500 sx	3530'	6538' 6597'	6490'	
2800'	1300 sx	350'	7"	6536'	700 sx	2985'	6536' 6633'	6485'	
3600'	400 sx	2105' (Calc)	5-1/2"	6502'	775 sx	1600'	6502' 6620'	6450'	
3650'	275 sx	990' (Calc)	5"	6630'	250 sx	1710' (Calc)	6510' 6590'	6460'	
3810'	875 sx	540' (Calc)	5-1/2"	7592'	855 sx	2930'	6510' 6600'	6460'	
2729'	1000 sx	1550'	5-1/2"	6556'	350 sx	4550'	6497' 6590'	6450'	

el "R" Retrievable Double Grip (or equivalent) Type Packers.

TABLE I

CASE NO. 4652
 EXHIBIT NO. 4
 February 2, 1972