

OILFIELD RESEARCH LABORATORIES

RESULTS OF POLYMER FEASIBILITY TESTS

Completed January, 1990

COMPANY James E. Russell Petroleum, Inc. OIL Lease crude
 LEASE Nelson (Lowe) RW-18, RW-19
 SAND _____ WATER Synthetic 6,300 mg/l NaCl
 _____ 320 mg/l Ca++
 _____ 24 mg/l Mg++

DEPTH, FEET	TEST CONDITIONS				POROSITY PERCENT	PERMEABILITY, md			MOBILITY RATIO	Conc. ppm	POLYMER DATA				ADSORP. LB. /A.F.T.
	Plug Length cm	Water cp	Oil cp	Temp. °F.		Air	Korw	Kw/o			Res. Fac. FR	FR	S.F.	Viscosities Brook	
RW-18 665.6	2.50	Syn- thetic 19cp		Room	21.8	88.	40.	36.	4.3	250	4.7	1.5	8.6	1.75	158.
										500	6.4	2.5	13.4	3.0	
										750	8.2	1.4	16.0	4.2	
										1000	8.5	1.9	-	-	
RW-19 667.2	2.50	Syn- thetic 19cp		Room	18.3	15.	4.7	4.5	2.6	250	4.4	2.4	8.6	1.75	453.
										500	4.1	1.4	13.4	3.0	
										750	4.4	1.4	16.0	4.2	
										1000	5.1	1.5	-	-	