



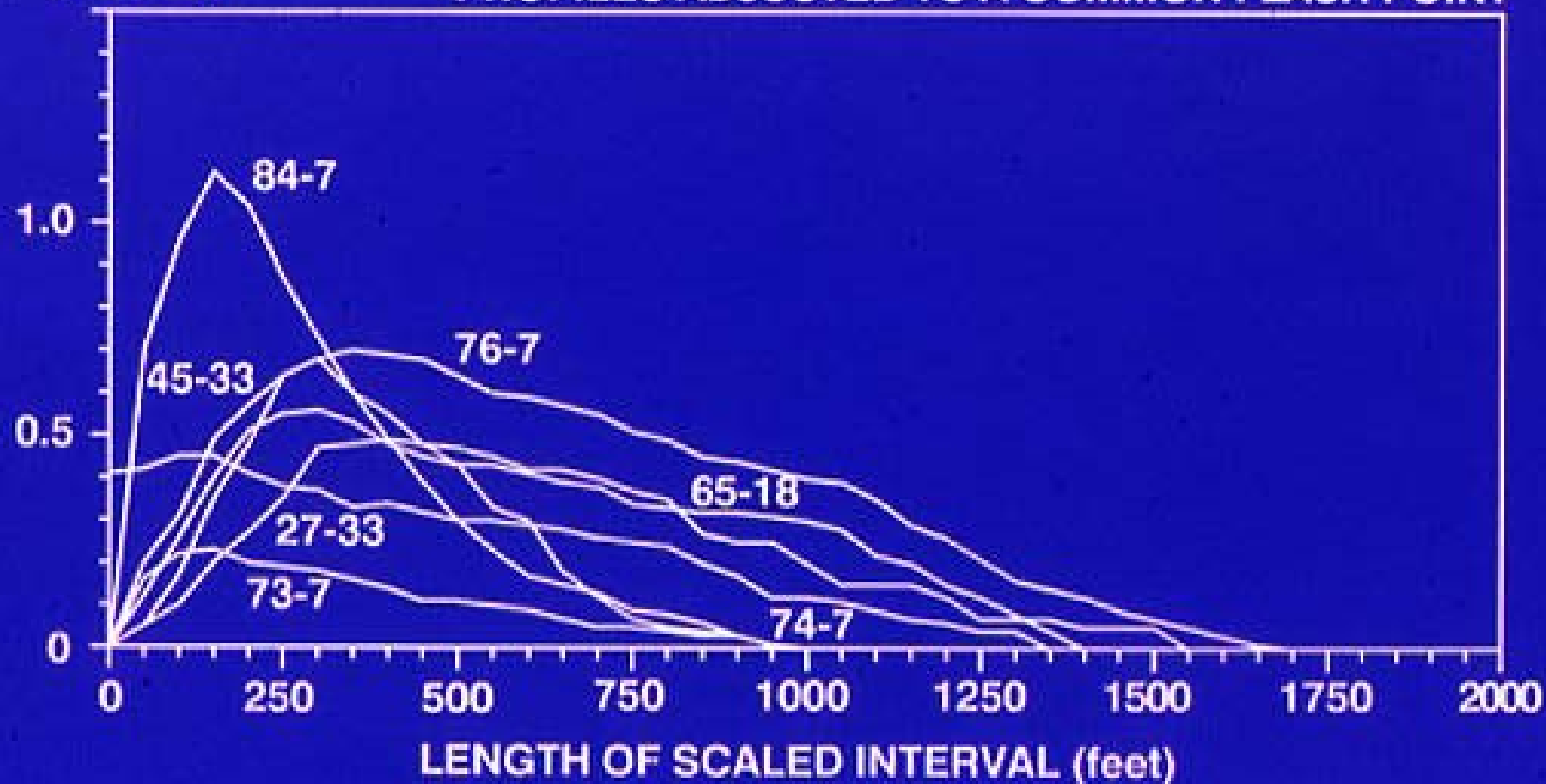
TABLE 1
 REPRESENTATIVE PRE-FLASH FLUID COMPOSITIONS IN PARTS PER MILLION

Well	Fluid Entry Temp. (°F)	Na	K	Ca	Si	B	Li	Cl	SO4	HCO3	CO3	F	CO2	pH
45-33	480	312	49.6	0.71	514	4.74	2.05	251	96.6	277	22.3	13.1	1685	8.9
27-33	480	319	50.0	0.70	520	4.64	2.10	246	95.7	231	43.6	12.0	1807	9.4
73-7	475	351	53.5	0.61	509	5.67	2.20	299	110.7	261	30.6	9.7	1982	8.8
84-7	477	328	50.2	0.71	482	5.37	2.03	278	107.4	228	36.7	9.2	2100	9.2
74-7	478	336	51.3	0.68	495	5.45	2.12	300	107.4	264	21.6	9.3	1990	8.9
76-7	462	343	45.4	1.01	486	5.58	2.11	306	110.5	240	22.8	8.7	1605	8.9
65-18	437	396	36.8	0.86	388	5.90	1.76	337	132.0	338	6.8	6.8	1545	8.6

CARBONATE SCALE PROFILES DIXIE VALLEY PRODUCTION WELLS

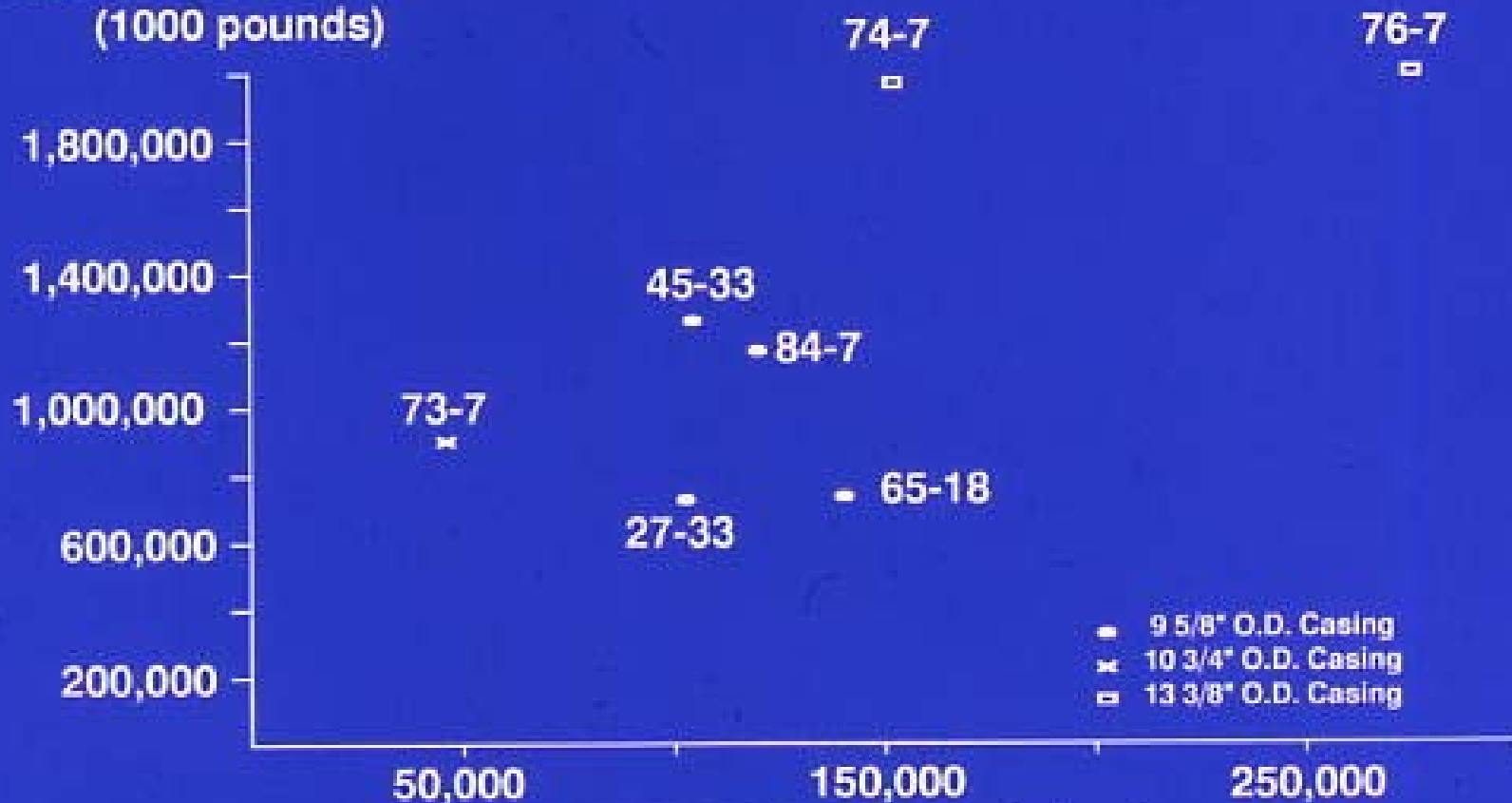
THICKNESS
OF SCALE
(inches)

PROFILES ADJUSTED TO A COMMON FLASH POINT



VOLUME OF FLUID PRODUCED versus VOLUME OF SCALE CREATED

FLUID PRODUCED
(1000 pounds)



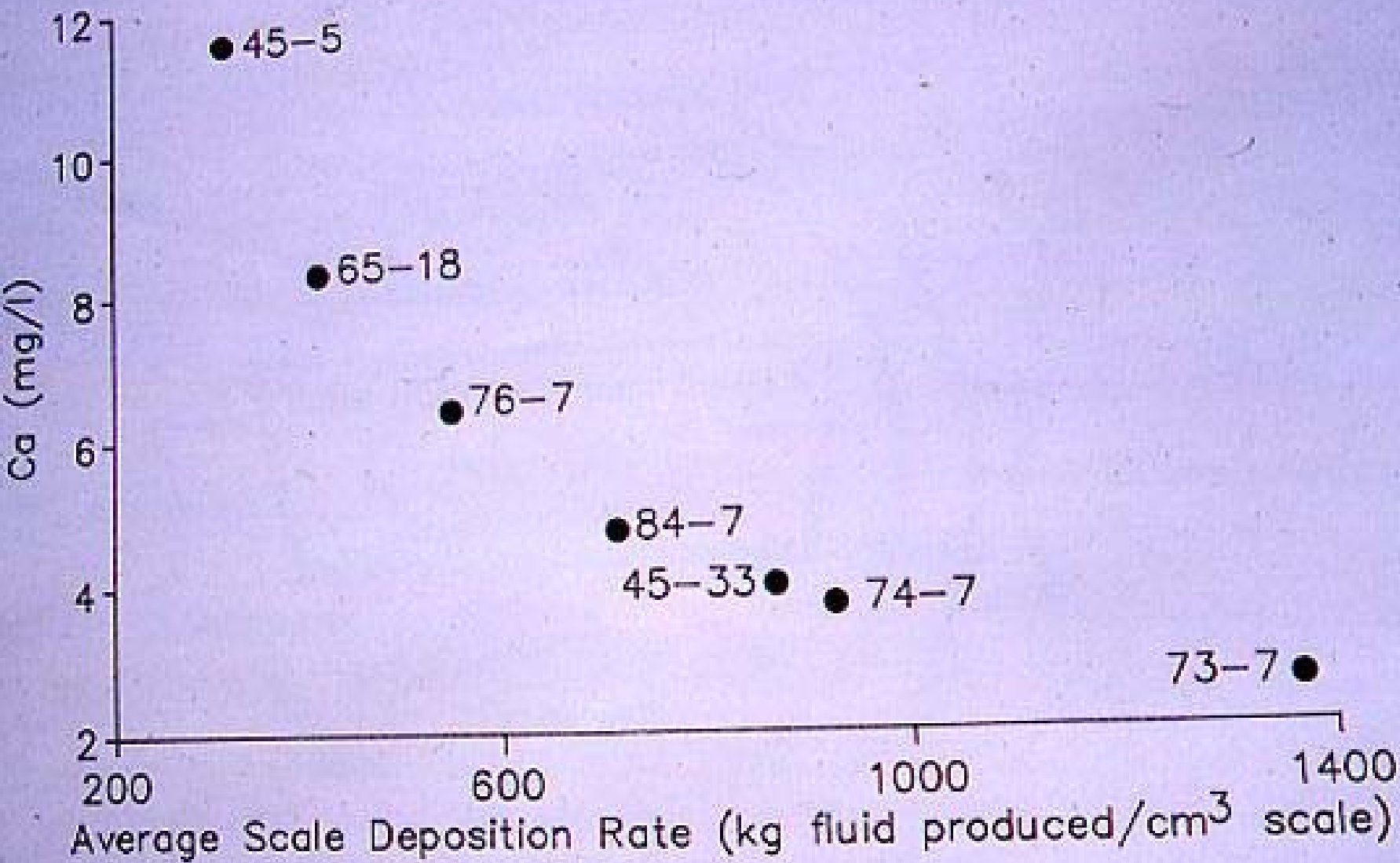
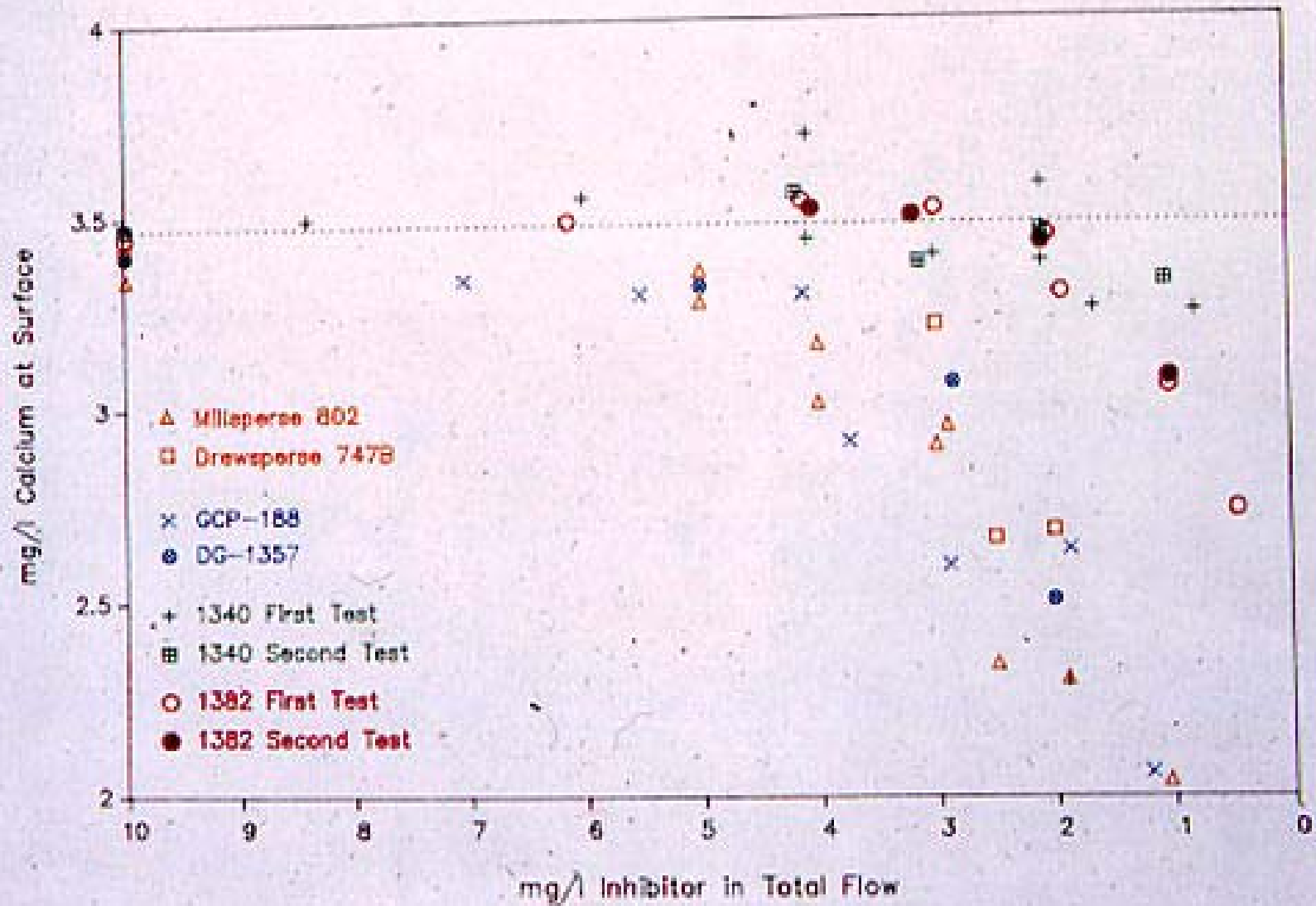


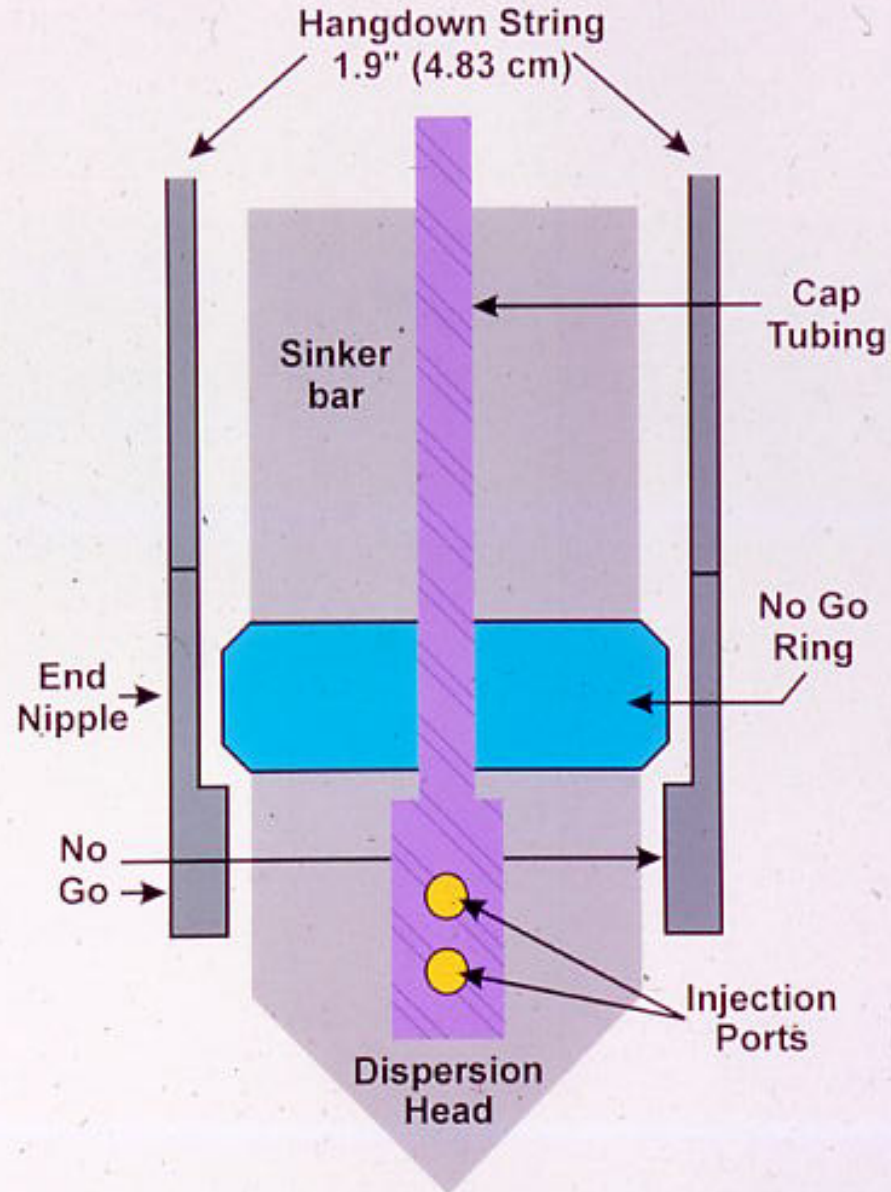
FIGURE 1 CARBONATE SCALE INHIBITION TEST
WELL 27-33 October 25-31, 1988







ORIGINAL DIXIE VALLEY HANGDOWN STRING - SCALE INHIBITION SYSTEM





Oxbow Dixie Valley Temperature/Pressure/Chemical Injection System

All tubing will be banded
to 1.9" (4.82cm) pipe

Chemical Injection
Tubing

.250" (6.35mm)
Fiber Tube

Injection
Ports

.125" (2.39mm) Capillary
Tubing For
Pressure Monitoring

2.875" (7.30cm) O.D



Pressure Chamber

Pressure Chamber Ports

1.9" (4.82cm) pipe

Looped Fiber System



-  .250" (6.35mm) Housing
-  Optical Fiber Chemical Resistant.

Bands

FiberCom™ Tubing



-  .250" (6.35mm) Housing
-  Optical Fiber Poly/Carbon
-  Thermocouple



