

A & A ENGINEERING SERVICE

P.O. BOX 3323

Midland, Texas 79701

BOTTOM HOLE PRESSURE REPORT

Operator Pennzoil Lease Gulf Federal Well No. 2
 Field South Carlsbad Reservoir Strawn Datum -7,152'
 Test Date 9-21-1972 Well Status Shut In Hours Shut In 49
 Pin Collar
 Tubing 2-1/4" Depth _____ End 10,290' Packer 10,298' S. N. _____
 Casing 5-1/2" Depth 11,830 Perf. 10,375-10392 Total Depth 11,833'

	Depth	Press. Lbs/Sq. In.	Δ Press.	Gradient Lbs/Ft.
Tubing Press. <u>2447 DWT</u>	Surface	2448		
Casing Press.	2500	2667	219	.088
Top of Fluid.	5000	2888	221	.088
Top of Water.	7500	3101	213	.085
Temp. @°F	9890	3316	215	.090
Elev. KB. <u>3232'</u> GI. <u>3212'</u>	10090	3333	17	.085
Last Test Date <u>7-13-1972</u>	10290	3350	17	.085
Press. Last Test <u>3657</u>	94	7		
Change <u>300#</u> Per Day <u>4.286#</u>	10384	3347		
Inst. No. <u>28546N</u> Cal. <u>7203</u>	- 7152	3357		
Tested By <u>J. Spruell</u>				
Calcu. By <u>Arnett</u>				
Prod. Index Bbls/day/lb.				
Drop.....				
Cumulative prod.				

Ctr. of Perfs. .085
Datum .085

Remarks: