

HOLLY ENERGY CORPORATION  
 AVALON FEDERAL 32 No. 1  
 BOTTOM HOLE PRESSURES TO USE FOR CALCULATING  
 4-POINT BACK PRESSURE TEST AND BOTTOM HOLE  
 PRESSURE BUILD-UP TEST  
 TABULATION OF PRESSURE AND TIME

TEST CONDUCTED BY:  
 JOHN WEST ENGINEERING COMPANY

TEST DATE: AUGUST 23 TO 26, 1978  
 TEST DEPTH: 9,530 FEET  
 ELEMENT NO.: 8534 (0-5600 PSI)  
 OPER.: B.R.D.

<u>DATE</u>	<u>TIME</u>	<u>CUM. HRS./MIN.</u>		<u>PSIG @ 9,530 FEET</u>
8-23-78	10:30 AM			3986 GAUGE REACHED 9,530 FEET
	11:00 AM	00 HRS.	00 MIN.	3986 BEGIN TEST
		00	15	3565
		00	30	3356
	11:45 AM	00	45	3277
	12:00 NOON	01	00	3223 END RATE I
	12:15 PM	01	15	3020
		01	30	2873
		01	45	2791
	1:00 PM	02	00	2712 END RATE II
		02	15	2469
		02	30	2316
		02	45	2209
	2:00 PM	03	00	2119 END RATE III
		03	15	1918
		03	30	1734
		03	45	1692
8-23-78	3:00 PM	04	00	1678 END RATE IV, SHUT-IN
8-23-78	3:00 PM	00	00	1678 BEGIN BUILD-UP
		00	15	2184
	3:23 PM	00	23	2475 GAUGE OUT TO CHANGE CHART
8-23-78	4:30 PM	01	30	3655 GAUGE BACK TO 9,530 FEET
		02	00	3712
		03	00	3794
		04	00	3833
		06	00	3864
8-23-78	11:00 PM	08	00	3884
8-24-78	1:00 AM	10	00	3895
		15	00	3915
	11:00 AM	20	00	3927
8-24-78	9:00 PM	30	00	3938
8-25-78	7:00 AM	40	00	3944
8-25-78	5:00 PM	50	00	3946
8-26-78	3:00 AM	60	00	3952
8-26-78	1:00 PM	70 HRS.	00 MIN.	3955 GAUGE OUT, END OF TEST