

LAKE FEDERAL NO. 1  
D.S.T. SUMMARY  
Page 2

D.S.T. NO. 3, 10,900'-11,050'

Tool opened w/very weak blow, open 15 mins., shut in 60 mins., reopened w/very weak blow decreasing to no blow in 25 mins. Tool open total of 45 mins., tool closed 120 mins. Back side flowing back gas cut mud at rate of 10 bbls./hour. Recovered 130' rotary hole mud. IHP 5662, PFP 86, FFP 108 in 15 mins., ISIP 302 in 60 mins., IFP 129, FFP 151 in 45 mins., FSIP 302 in 120 mins., FHP 5683, BHT 172 deg. F.

D.S.T. NO. 4, 10,785'-10,847' (Straddle Packer Test)

Tool opened w/strong blow, mud to surface in 10 mins., in 15 mins. flowing mud at 1000 psig on 3/8" choke.

<u>Time (mins.)</u>	<u>Choke</u>	<u>Surface Pressure</u>	<u>Flow</u>
20	3/8"	1500	flowing gas cut mud
30	3/8"	1850	flowing gas cut mud
40	3/8"	2200	flowing gas cut mud
50	3/8"	2300	flowing gas-fairly clean
60	3/8"	2210	7830 MCF/day

Shut in 3 hrs., trapped 2050 psig in drill pipe. Reopened on 3/8" choke:

<u>Time (mins.)</u>	<u>Surface Pressure</u>	<u>Rate (MCF/day)</u>
10	2290	7832
20	2235	7645
30	2200	7526
31 - Fluid To Surface Blew Fire Out		
35	2390	8172
38 - Re-lit Flare		
40	2350	8036
50	2265	7747
60	2240	7662
70	2220	7594
80	2230	7628
85 - Fluid Slug Blew Fire Out		
86 - Pinched Choke To Re-light		
90	2260	7730
100	2245	7673
107 - Fluid Slug Blew Fire Out		
108 - Pinched Choke To Re-light		
110	2365	8088
120	2305	7884
130	2265	7747
140	2255	7713
150	2255	7713
160	2262	7737

(continued on page 3)