

PRIVATE & CONFIDENTIAL
TIGHT HOLE INFORMATION

NEW MEXICO

CACTUS AREA

Shell-Isleta Central #1
(WC) Loffland #8
16,300' Entrada Test
KB 5066', GL 5044'
Sidetracked @ 951'
9-5/8" csg @ 5334'
7" csg @ 14,104'

TD 16,346. PB 13,820. Status @ 5 a.m. - checking pressures every 1/2 hr. Tested lines to 10,000 psi.

Chart No.	Time	Rate BPM	Vol. Gal.	Pumps T	Press PSI		
					Tbg	Csg	
1	0848	8	0	7	8000	2900	Started pmp'g w/KCl wtr & friction reducer
2	0853	8	2000	7	8200	3000	Pmp'g
3	0858	9	4000	7	8600	3000	Pmp'g
4	0903	10	6500	7	8800	3000	Wtr in. Start Hy-gel
5	0918	9	5000	7	9000	3000	Press increase
6	0923	4	6000	7	8900	3000	Cut Hy-gel to 30#
7	0930	7	7500	7	8800	3000	Increase rate
8	0943	7	10,000	7	9000	3000	Gel pad in. Start bond @ 3/4#
9	0951	8	3150	7	8800	3000	increase Hy-gel to 50#
10	1003	8	6000	7	9200	3000	Sd in formation
11	1012	8.5	9150	7	9400	3000	Increase sd to 1-1/2#
12	1022	9	12,000	7	9200	3000	1-1/2# sd in formation
13	1030	9	15,150	7	9200	3000	Sd @ 3#
14	1037	9	18,000	7	9300	3000	3# sd in formation
15	1044	8	21,150	7	9400	3000	Sd @ 4#
16	1054	7	23,000	7	9400	3000	4# sd in formation
17	1056	1	24,000	7	9400	3000	Cut sd clear blender
							Sd off w/no flush

5-min SIP 7200 psi tbg, 3000 psi csg. Took 5 bbls KCl wtr to hold 3000 psi on csg. Released csg press @ 1103. Got back the 5 bbls that was pmp'd in. Pulled isolation tool & installed press gauge on tbg & csg. Pressures are as follows:

Time	Pressure	
	Tubing	Casing
1 p.m.	3750	
2 p.m.	3170	0
3 p.m.	3125	0
6 p.m.	1775	0
8 p.m.	1500	100
12 mid	1500	350
3 a.m.	1500	500
5 a.m.	1400	560 - Bled back to 500 psi

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