

- DST # 9: 13,687' - 13,718' (31' Devonian dolomite). Tool open 120 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Immediate weak air blow, increasing to fair in 15 minutes gradually increasing to good thru remainder of test. NGTS. Reversed out. Recovered: water blanket / 1000' oil. Gravity 55 deg. API. FBHP 630 - 1035 psi. 30 minutes SIBHP 4950 psi. HMH 6660 - 6525 psi. Positive Test. (Johnston)
- DST # 10: 13,718' - 13,756' (38' Devonian dolomite). Tool open 1 hour thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Few air bubbles immediately died. In 30 minutes tried to bypass packers. Packers failed. Recovered: water blanket / 20' mud, no shows. FBHP 540 psi. 30 minutes SIBHP 4905 psi. HMH 6525 - 6390 psi. Positive Test. (Johnston)
- DST # 11: 13,749' - 13,790' (41' Devonian dolomite). Tool open 30 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Very weak blow dying in 2 minutes. After 30 minutes bypassed packer. No air blow. Recovered: water blanket / 10' mud, no shows. FBHP 340 psi. 30 minutes SIBHP 4700 psi. HMH 6570 psi in & out. Positive Test. (Johnston)
- DST # 12: 13,780' - 13,840' (60' Devonian dolomite). Tool open 55 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Immediate weak air blow dying in 15 minutes. After 30 minutes bypassed packers, no blow. Recovered: water blanket / 30' (0.34 bbls.) mud, no shows. FBHP 495 psi. 30 minutes SIBHP 495 psi. HMH 6438 psi. Positive Test. (Johnston)
- DST # 13: 13,836' - 13,886' (50' Devonian dolomite). Tool open 50 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Weak air blow immediately dying in 12 minutes. After 30 minutes bypassed packers, no blow. Recovered: water blanket / 30' mud, no shows. FBHP 450 psi. 30 minutes SIBHP 530 psi. HMH 6390 psi in & out. Positive Test. (Johnston)
- DST # 14: 13,879' - 13,939' (60' Devonian dolomite). Tool open 1 hour 15 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Very weak air blow immediately dying in 17 minutes. After 30 minutes bypassed packers. Moderate air blow decreasing to weak & dying in 40 minutes. Recovered: 135' (1.48 bbls.) gas cut mud / water blanket. Pit mud & recovery mud titrated 4000 ppmCl⁻. FBHP 585 psi. 30 minutes SIBHP 4950 psi. HMH 6750 - 6570 psi. Positive Test. (Johnston)
- DST # 15: 13,939' - 14,012' (73' Siluro/Devonian dolomite). Tool open 45 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Very weak air blow immediately dying in 2 minutes. After 15 minutes bypassed packers. Weak air blow dying in 5 minutes. Recovered: gas cut water blanket / 20' oil & gas cut water blanket / 40' heavily gas cut mud. FBHP 720 psi. 30 minutes SIBHP 3330 psi. HMH 6750 psi. Positive Test. (Johnston)
- DST # 16: 14,005' - 14,072' (67' Siluro/Devonian dolomite). Tool open 1 hour 37 minutes thru 1" TC & 5/8" BC on 4" DS w/1000' water blanket. Weak air blow immediately increasing to fair blow throughout test. NGTS. Recovered water blanket / 360' salt water slightly sulfur cut. Water blanket titrated 7000 ppmCl⁻ & recovered water titrated 20,000 ppmCl⁻. FBHP 585 - 765 psi. 30 minutes SIBHP 5535 psi. HMH 6750 - 6435 psi. Positive Test. (Johnston)

1. 1990
2. 1991
3. 1992
4. 1993
5. 1994
6. 1995
7. 1996
8. 1997
9. 1998
10. 1999
11. 2000
12. 2001
13. 2002
14. 2003
15. 2004
16. 2005
17. 2006
18. 2007
19. 2008
20. 2009
21. 2010
22. 2011
23. 2012
24. 2013
25. 2014
26. 2015
27. 2016
28. 2017
29. 2018
30. 2019
31. 2020
32. 2021
33. 2022
34. 2023
35. 2024
36. 2025
37. 2026
38. 2027
39. 2028
40. 2029
41. 2030
42. 2031
43. 2032
44. 2033
45. 2034
46. 2035
47. 2036
48. 2037
49. 2038
50. 2039
51. 2040
52. 2041
53. 2042
54. 2043
55. 2044
56. 2045
57. 2046
58. 2047
59. 2048
60. 2049
61. 2050
62. 2051
63. 2052
64. 2053
65. 2054
66. 2055
67. 2056
68. 2057
69. 2058
70. 2059
71. 2060
72. 2061
73. 2062
74. 2063
75. 2064
76. 2065
77. 2066
78. 2067
79. 2068
80. 2069
81. 2070
82. 2071
83. 2072
84. 2073
85. 2074
86. 2075
87. 2076
88. 2077
89. 2078
90. 2079
91. 2080
92. 2081
93. 2082
94. 2083
95. 2084
96. 2085
97. 2086
98. 2087
99. 2088
100. 2089
101. 2090
102. 2091
103. 2092
104. 2093
105. 2094
106. 2095
107. 2096
108. 2097
109. 2098
110. 2099
111. 2100
112. 2101
113. 2102
114. 2103
115. 2104
116. 2105
117. 2106
118. 2107
119. 2108
120. 2109
121. 2110
122. 2111
123. 2112
124. 2113
125. 2114
126. 2115
127. 2116
128. 2117
129. 2118
130. 2119
131. 2120
132. 2121
133. 2122
134. 2123
135. 2124
136. 2125
137. 2126
138. 2127
139. 2128
140. 2129
141. 2130
142. 2131
143. 2132
144. 2133
145. 2134
146. 2135
147. 2136
148. 2137
149. 2138
150. 2139
151. 2140
152. 2141
153. 2142
154. 2143
155. 2144
156. 2145
157. 2146
158. 2147
159. 2148
160. 2149
161. 2150
162. 2151
163. 2152
164. 2153
165. 2154
166. 2155
167. 2156
168. 2157
169. 2158
170. 2159
171. 2160
172. 2161
173. 2162
174. 2163
175. 2164
176. 2165
177. 2166
178. 2167
179. 2168
180. 2169
181. 2170
182. 2171
183. 2172
184. 2173
185. 2174
186. 2175
187. 2176
188. 2177
189. 2178
190. 2179
191. 2180
192. 2181
193. 2182
194. 2183
195. 2184
196. 2185
197. 2186
198. 2187
199. 2188
200. 2189
201. 2190
202. 2191
203. 2192
204. 2193
205. 2194
206. 2195
207. 2196
208. 2197
209. 2198
210. 2199
211. 2200
212. 2201
213. 2202
214. 2203
215. 2204
216. 2205
217. 2206
218. 2207
219. 2208
220. 2209
221. 2210
222. 2211
223. 2212
224. 2213
225. 2214
226. 2215
227. 2216
228. 2217
229. 2218
230. 2219
231. 2220
232. 2221
233. 2222
234. 2223
235. 2224
236. 2225
237. 2226
238. 2227
239. 2228
240. 2229
241. 2230
242. 2231
243. 2232
244. 2233
245. 2234
246. 2235
247. 2236
248. 2237
249. 2238
250. 2239
251. 2240
252. 2241
253. 2242
254. 2243
255. 2244
256. 2245
257. 2246
258. 2247
259. 2248
260. 2249
261. 2250
262. 2251
263. 2252
264. 2253
265. 2254
266. 2255
267. 2256
268. 2257
269. 2258
270. 2259
271. 2260
272. 2261
273. 2262
274. 2263
275. 2264
276. 2265
277. 2266
278. 2267
279. 2268
280. 2269
281. 2270
282. 2271
283. 2272
284. 2273
285. 2274
286. 2275
287. 2276
288. 2277
289. 2278
290. 2279
291. 2280
292. 2281
293. 2282
294. 2283
295. 2284
296. 2285
297. 2286
298. 2287
299. 2288
300. 2289
301. 2290
302. 2291
303. 2292
304. 2293
305. 2294
306. 2295
307. 2296
308. 2297
309. 2298
310. 2299
311. 2300
312. 2301
313. 2302
314. 2303
315. 2304
316. 2305
317. 2306
318. 2307
319. 2308
320. 2309
321. 2310
322. 2311
323. 2312
324. 2313
325. 2314
326. 2315
327. 2316
328. 2317
329. 2318
330. 2319
331. 2320
332. 2321
333. 2322
334. 2323
335. 2324
336. 2325
337. 2326
338. 2327
339. 2328
340. 2329
341. 2330
342. 2331
343. 2332
344. 2333
345. 2334
346. 2335
347. 2336
348. 2337
349. 2338
350. 2339
351. 2340
352. 2341
353. 2342
354. 2343
355. 2344
356. 2345
357. 2346
358. 2347
359. 2348
360. 2349
361. 2350
362. 2351
363. 2352
364. 2353
365. 2354
366. 2355
367. 2356
368. 2357
369. 2358
370. 2359
371. 2360
372. 2361
373. 2362
374. 2363
375. 2364
376. 2365
377. 2366
378. 2367
379. 2368
380. 2369
381. 2370
382. 2371

13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 8

30 minutes BHP 100% sat. Hct 62% - 63% sat. Positive test.
 failed. Recovered: water blanket 400 ml; no shadow. BHP 50% sat.
 immediately died. In 3 minutes tried to bypass esophagus. Bypasses
 12 x 5/8" BC on 12" W/100% water blanket. Low air bubbles
 12.75% - 13.75% (evenly distributed). Tool seen 1 hour after BHP.

(Continued)
minutes after 1700 call. GPH 6000 cat in house. Positive test.
Recovered: water cleared & 10' water, no snow. FHP 300 gal. 30
in 2 minutes. After 30 minutes processed packer. No air flow.
FHP 2 1/2" 30' on air. Water blanket. Very weak blow during
18,749' - 18,750' (11' removed bottomed). Total down 30 minutes later

[illegible]

(Continued)
30 minutes ALBP test. With 6000 psi in & out. Positive Test.
no flow. Recovered water blanked & 30' mud, no shows. FHP 480 psi.
Immediately after 12 minutes. After 30 minutes passed workers,
12' to 20" 30 on up in W/1000' water blanked. Leak air blow
12,000' - 12,880' (50' leveler dolomite). Tool open 30 minutes turn

13,879 - 13,880 (201) evened helmets. Total open 1 hour 15 minutes then 10:15 on 12 W/100% water plant. Very weak air flow immediately being in 15 minutes. After 30 minutes physical packers. Immediate air flow increasing to weak & going in 15 minutes. recovered: 1251 (1.48 only) gas cut mud & water blanked. 30 minutes & recovery and started (400) cement. 7500 225 psi. 30 minutes 14550 psi. 14570 - 14575 psi. Positive Test. (Johnston)

[illegible][illegible]