

D.S.T. SUMMARY

BURROWS "17" #1, Field: WILDCAT, LEA, NM
 Pros: COYOTE NM-184, PTD: 11,700' ATOKA
 Acct #: 39610 BCP (50%)

12/14/96 6965' (750')(Day 12) Circ samples. Lime. Bit #6 - 7 7/8" HTC ATJ 44C, 1945' in 58 3/4 hrs. 23 hrs drld, 1/4 hr serviced rig, 1/2 hr slope test (1/2 deg @ 6434'), 1/4 hr circ samples. MW 8.4, Visc 27, pH 9, chl 2000 ppm.

12/15/96 6965' (0')(Day 13) TIH w/bit #6. Lime. Bit #6 - 7 7/8" HTC ATJ44C, 1945' in 58 3/4 hrs. 4 1/2 hrs circ for DST #1, 2 1/2 hrs TOH, 3 3/4 hrs make up tools & TIH, 8 hrs DST #1 f/6930-6965', 1 1/2 hrs TOH to fluid, 3/4 hrs reverse out, 2 hrs TOH w/DST #1, 1 hr TIH w/bit #6. (3/4 deg @ 6923'). MW 8.4, Visc 27, pH 9.5, solids .5%, chl 2000 ppm. DST #1 - 6930-6965' (35') Glorieta. 5/8" btm hole choke, 1/8" surface choke. 0' wtr blanket. Tool opened for 15 min pre-flow & 120 min final flow. Pre-flow opened w/a weak blow, built slowly to a strong blow (BOB in 5 min) built to 11 oz in 15 min. Final flow opened w/a weak blow, building slowly to a strong blow (BOB in 20 min) built to 11 1/2 oz in 30 min, 16 oz in 60 min, then decreased to 14 oz in 90 min to 15 1/2 oz in 120 min. Recovery from DP: had 4394' gas. Reversed 1.5 BO - 33 gravity @ 51.30 deg, 12.3 bbls salt wtr - 71,000 ppm chl into test tank. 1606' total fluid, 13.8 bbls total. Recovered from sample chamber: 400 psi, .23 cf gas, 100 cc oil, 1900 cc salt wtr, 71,000 ppm.
 HMP IN 3107 psig OUT 3107 psig
 15 min Pre-flow FBHP 103 psig to 167 psig
 90 min ISIBHP 2966 psig
 120 min Final flow FBHP 232 psig to 723 psig
 240 min FSIBHP 2850 psig
 BHT s/p
 Conclusive test by Rig Testers & Dennis Mann

12/28/96 11,450' (151')(Day 26) Drlg. Lime & shale. Bit #8 RR - 7 7/8" STC F47H, 1243' in 94 hrs. 3 1/2 hrs TOHw/DST #2, 1 1/2 hrs breakdown & load out test tools, 4 hrs TIH, 1/4 hr wash to btm, 14 3/4 hrs drld. MW 8.9, Visc 38, WL 10, FC 1/32, PV 9, YP 8, pH 10, solids 3.5%, chl 9000 ppm.
 DST #2 11,260-11,299' (39' Strawn). 5/8" btm hole choke, 1/8" surface choke. 1000' wtr blanket. Tool opened for 15 min pre-flow & 300 min final flow. Pre-flow opened w/1/4 oz @ 1 min in bucket. Dead in 14 min. Final flow opened w/3/4 oz @ 1 min in bucket. Had BOB in 15 min w/8 1/2 oz. In 25 min 1#, 1 hr 1#, 2 hrs 1#. 2 hrs went to 1 1/4# & built to 2 3/4# @ 3 hrs w/burnable gas to surface. 5 hrs was @ 2 3/4#. Recovery from DP: 880' wtr blanket & 180' of gas cut drlg mud. Recovery from sample chamber: 460 psi, .63 cf gas, 1150 cc gas cut drilling mud.
 HMP IN 5255 psig OUT 5255 psig
 15 min pre-flow FBHP 576 to 576 psig
 90 min ISIBHP 3150 psig
 300 min final flow FBHP 520 to 501 psig
 600 min FSIBHP 4070 psig
 Conclusive test Rig testers

01/01/97 11,750' (0')(Day 30) TIH open ended to P&A. 8 3/4 hrs DST #3 11,150-11,236', 9 1/4 hrs pull pkrs loose, chain out of hole & LD test tools, 3 1/4 hrs LD DC, 2 3/4 hrs TIH w/open ended DP. MW 9.1, Visc 52, WL 6, FC 1/32, PV 17, YP 18, pH 9.5, solids 4.8%, chl 9000 ppm.
 DST #3 11,150-11,236' (86' Strawn formation). 3/4" btm hole choke, 1/8" surface choke. 1073' wtr blanket. Tool opened for 15 min pre-flow. Pre-flow opened w/0 psi, had no flow or vac in 15 min. Final flow opened w/0 psi, had no flow or vac in 60 in. Recovery from DP: 1090' recovered, 1073' cushion + 17' drlg mud. Recovery from sample chamber: 2600 cc mud, 20 psi, 0 gas.
 HMP In 5426 psig OUT 5433 psig
 15 min pre-flow FBHP 510 psig to 510 psig
 120 min ISIBHP 883 psig
 20 min final flow FBHP 510 psig to 511 psig
 240 min FSIBHP 669 psig
 BHT 158 deg @ 11,155'.
 Conclusive test by Baker.