

DAILY DRILLING REPORT

FEDERAL "12" COM #1

FEDERAL "12" COM #1, 660' FNL & 660' FEL Sec 12, T21S, R26E, Edgley Co, NM. OBJECTIVE: Drill and complete Morrow gas well.

7/11/74 Prep to MIR Marcum Drilg Co.

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7/12 MI&RUP.

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7/13 (1) 253 drilg anhy, 17½" hole, ½ @ 184, S. Mud.
Marcum Drilg Co spudded @ 10:30 pm 7/12/74.

7/14 (2) 550 ND anhy, 17½" hole, ½ @ 250, S. Mud.
prep to run 13-3/8 csg.

7/15 (3) 550 ND, WOC, 13-3/8" csg, POH, ran 17 jts 13-3/8 OD 48# H40 8rd ST&C csg, Howco cmt'd csg on bottom @ 550 w/ 600x Class C cmt w/ 2% CaCl, PD @ 12 noon 7/14/74, cmt circ, NU csg and inst'l BOP's, prep to drill 12½" hole.

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7/16 (4) 986 ND lm, 12½" hole, ½ @ 836, Fr Wtr.
WOC total 24 hrs, test 13-3/8 csg and BOP's 1000#/ok, drill to 936, lost 100% circ, dry drill to 986, POH, FL @ 80', ran 5-9/16 DP OE to 975, Howco spotted 50x Class C cmt w/ 4% gel + 5# gilsonite/x + 2% CaCl, pull DP to 789, Howco spotted 450x Class C cmt w 4% gel + 5# gilsonite + 2% CaCl + 5# gilsonite/x + 2% CaCl, then spotted 50x Class C neat cmt, job compl @ 5:30 am 7/16/74, WOC.

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7/17 (5) 986 ND lm, 12½" hole, NND, fr wtr.
WOC total 12 hrs, ran bit, tag top of cmt @ 938, attempted to load hole w/ no success, POH, dropped 3 Cooper Eng LC bombs in hole, ran bit on 3 DC's and DP to 938, drld up bombs, POH, ran DP OE to 937, Howco spotted 50x Class C cmt w/ 4% gel, job compl @ 12:15 am 7/17/74, WOC.

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7/18 (6) 986 ND lm, 12-1/4" hole.
WOC total 8 hrs, ran DP OE, tag top of cmt @ 916, attempted to load hole w/no success, POH, ran 12-1/4" bit, drill cmt 916-921 & 923-941, W/O circulation, POH, ran DP OE to 630 pumped in 3 pits mud w/ 30# LCM/bhl, Howco followed mud w/ 500 sx Class C cmt w/4% gel, job comp @ 2:45 PM, 7/17/74, POH, WOC 12 hrs, tag top of cmt @ 510', filled hole, cont to WOC, will start drilg cmt after 18 hrs.

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7/19 (7) 986 ND lm, 12-1/4" hole, Fr Wtr.
WOC 3 additional hrs, tag top of cmt @ 490, drill cmt from 490 to 550, lost circulation, ran bit to 904, POH, Worth Well ran temp survey indicated losing circulation from 704 to 838, ran DP OE to 700', Howco squeezed zone w/DOC squeeze used 75 sx gel + 75 sx Class C cmt, job comp @ 2:00 PM, 7/19/74, WOC 4 hrs, attempted to load hole w/no success, prep to run 13-3/8 csg.

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