

DAILY DRILLING REPORT

Brainard Gas Comm #1

BRAINARD GAS COMM #1, Atoka Penn Fld, Eddy Co, NM. OBJECTIVE:
Shut off water flow between surface pipe and production string.
AFE 0813 - Mobil Intr 87.500% Est Cost to Mobil \$7900.

11/3/70 9181 TD.

FTP 445 on 11/64 ck, CP 550, press between csg strings 900#,
prep to MI pulling unit.

BRAINARD GAS COMM #1, 9181 TD.

11/4 MIRU Permian Well Serv DD unit, pumped 150 bbls 9.0# TSW
down tbg, bleeding gas off csg thru 1/2" needle valve, 2"
csg valve will not close, SD for nite.

BRAINARD GAS COMM #1, 9181 TD.

11/5 P 25 bbls 9.0# TSW down tbg, 20 bbls down csg, remove tree,
inst'l BOP, POH w/ 290 jts 2" OD Buttress tbg 9003, ran
Howco ret BP on tbg, set @ 5010, dumped 2x sd on plug,
POH w/ tbg, SD for nite.

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11/6 Worth Well perf 4½ csg @ 2997-98 w/ 4 holes, Howco pumped in
holes @ 1500#, P 20 BW 3½ BPM @ 1000#, unable to circ,
Worth Well ran Temp Survey from 100-3500, fluid going in
form 2950-3006, surf wtr flow coming from 1450-1580, ran
RTTS pkr on 2-3/8 tbg set @ 2799, Howco sq perfs @ 2997-98 w/
430x Class H cement w/ 4% gel + 2% CaCl, job compl 6:00 p.m.
11/5/70, did not circ while cement, final press 900, SD for
nite, prep to run Temp Survey.

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11/7 Rel pkr, POH, Worth Well ran Temp Survey, top of cement
outside 4½ csg @ 2810, tag cement in csg @ 2860, Worth
Well perf 4½ csg @ 1760 w/ 2 holes, Howco attempted to
break circ, down 4½ csg and outside of 4½ csg w/ no success,
ran Baker FB pkr on 2-3/8 tbg set @ 1611, Howco cemented
thru holes 1760 w/ 300x Class H cement w/ 4% gel + ½#
Flocele + 2% CaCl, job compl @ 12:30 p.m., Final Press 900,
did not break circ, WOC 3 hrs, POH, Worth Well ran Temp
Survey, tag cement in csg @ 1702, no cement, indicated
outside of pipe @ 1702, SD for nite.

11/8 Worth Well perf 4½ csg @ 1535 w/ 2 holes, Howco pumped
down 4½ csg, broke circ on outside of 4½ csg, ran Baker FB
pkr on 2-3/8 tbg set @ 1340, Howco cemented thru holes @
1535 w/ 275x Class H cement w/ 4% gel + ½# Flocele + 2%
CaCl, cement circ to surf, close csg in, sq 24x in form,
Final Press 2600#, job compl @ 10:00 a.m. 11/7/70, WOC 2
hrs, POH w/ tbg and pkr, ran 3-7/8 bit on 6 - 3-1/8 DC's
and 2-3/8 tbg to 1300, RU rev unit, SD for nite, prep to DO.

11/9 Drill cement in 4½ csg from 1340-1535, circ hole clean, test
csg to 1800#/10 min/ok, then drill cement from 1700-1760,
circ hole clean, test csg to 1800#, leaked off 300#/8 min,
prep to sq.