

List wells with bradenhead gas or water flows and wells worked over because of casing failures or bradenhead gas and water flows:

Operator El Paso Natural Gas Company Well Name Riddle #3

Elevation 6023' Well Location NE/4 Sec. 10, T-30-N, R-9-W

Date of Completion 5-29-53 Date of Workover Completion 12-10-63

Surface Casing Set @ 172' Intermediate Casing Set @ 4470' Cement top Surface

Casing circ. Cement Top Intermediate Casing 3840'

Formation Tops: Ojo Alamo 1775 Pictured Cliffs 2807

Kirtland 1863 Lewis 2900

Fruitland 2488

Reason for Workover To stop bradenhead gas and water flow, run new string of casing and re-stimulate.

Method & Results of Workover The tubing was pulled, set bridge plug at 4400' in 7" casing, ran magnetic survey which indicated some metal reduction, set cement retainer at 2870' after perforating at 2900' and squeezed with 100 sks. regular, perforated at 1000', set cement retainer at 981', squeezed with 350 sacks regular, tested pipe, after cleaning out, squeezed open hole, set whipstock, drilled new hole, ran full string of 4 1/2" casing, fraced in 2 stages, re-ran tubing.

Type of Bradenhead Flow _____

Results of Bradenhead Test if Available: SIP _____

Duration of Blowdown or Flow _____

Volume of Blowdown or Flow _____

Analysis of Bradenhead Gas or Water Bradenhead flow diminished but did not shut off after squeezes. Top of cement from squeeze at 400' by temperature survey.

Present Condition of Bradenhead Flow: Shut In _____ Flowing Open _____

Gas Kicks while Drilling: Depth _____ Magnitude of Kick
Light or Severe _____

Remarks: _____

