

KENWOOD NO. 3W

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MAY 12 1969

OIL & MINERAL SURVEY
ARTESIA, NEW MEXICO

- 4-24-69 980# pressure was discovered on the annulus side of the Kenwood #3W.
- 4-25-69 Dug pit and opened csg. to pit. No drop of pressure noted on tubing. Tubing closed in w/csg. left open to pit F/24 hrs. Gradual pressure drop on tubing down to 650#. Csg. flowing at the rate of 9.8 BPH. At end of 24 hour SI period csg. still flowing to pit at the rate of 9.8 BPH. Turned injection back in tubing. No change on rate of flow from csg.
- 4-27-69 Csg. flowing to pit - rate 7 BPH.
- 4-28-69 Flowing csg. to pit - rate 5 BPH.
- 4-29-69 Flowing csg. to pit - rate 5 BPH. Mixed four (4) batches of blue dye and injected down the tubing.
- 4-30-69 Did not recover any blue dye. Mixed red dye and injected down the tubing.
- 5-1-69 Did not recover any dye. Csg. flowing to pit at rate of 2 BPH. Press. on tbg. 1060#. Ran Western Company temperature log and found water to be channeling from the shoe joint and outside of 5½" oil string and re-entering inside 5½" csg. through hole @ 3521'. Survey was witnessed by Mr. R. L. Stamets with the OCC, Artesia, New Mexico. Started bleeding pressure off of the tubing and casing.
- 5-2-69 Flowing csg. and tbg. to pit. Csg. ½ BPH, tbg. 1 BPH.
- 5-3-69 Flowing csg. & tbg to pit. - Csg. ½ BPH, tbg. 1 BPH.
- 5-4-69 Casing dead - tbg. flowing ½ BPH.
- 5-5-69 Csg. dead - tbg. still flowing ½ BPH. Unseated 2" x 5½" AD Baker Tension packer & pulled out of hole. Ran back RTTS squeeze packer and spotted 12 sks 20/40 sand over perforations 3774'-3792' and 3799'-3823'. Set pkr above perms. and tested to 3,000# on sand-held o.k. Reset pkr. at 3285'. Mixed and pumped in 100 sks of type H cement w/2% CC/2 of 100 sks of type H cement w/ two tenths of 1% Halite 9. Squeezed well to 4000#. Put 2000# on csg. & let set over night.
- 5-6-69 Well still had pressure. Ran 4-3/4" rock bit on tbg. tagged top of cement inside 5½" csg. at 3322'. Drilled cement from 3322'-3530'. Hole in csg. at 3521'. Pressured up on csg. at 3530' w/ 1500# and held for 1 hr. - Held o.k. Drilled on out to PBTD 3854'. Pumped into Grayburg FM. at 1 BPM at 1050#. Shut down overnight.