

Indian Hills
st Com #2

PURPOSE: RECONSTRUCTION & RECOMPLETION OF WELL

12-23-92 SITP/SICP 1600#. Killed tbq w/ prod wtr. Attempted to blow down csq w/o success. Pumped prod wtr down csq & well pressured up. Bled csq down to 700# & stayed @ 700# for 1-1/2 hrs. Pumped 10# brine down csq & bled off pressure; csq went to 0#. Killed tbq again w/ 10# brine. N/D wellhead. N/U drilling spool w/ 2 valves (5000# each) & hydraulic BOP's. Attempted to rel pkr w/o success. Worked w/ pkr for 2 hrs. Secured well. SDFN. DC = \$4,735.

12-24-92 Anchors were tested on 12/19/92. SICP = 400#; SITP = 0#. RU Rotary Wireline and chemical cut tbq @ 9280'. RD Rotary. POOH w/296 jts 2-3/8" tbq, including the cut jt. Called Betty Koiers w/NMOCD in Artesia & informed them that we would be plugging off the Morrow w/a CIBP and testing the csq to 500# for 30 min w/a chart recorder @ approx 1:00 PM. The cut off jt and jts above it looked scaled up & pitted; rest of pipe looked good. RU Wedge Wireline & made a 4-1/2" guage ring + junk basket; run to 9280'. WIH w/4-1/2" CIBP and set it @ 9225' KB. Dumped 35' of cement on top of CIBP. PSTD 9190' KB. RD Wedge. Loaded hole and pressure tested csq to 500# for 30 min. OK. WIH w/4-1/2" Baker Lok set pkr, 2-3/8" API SN (178' ID) on 268 jts of 2-3/8", N-80 tbq. Hydrotesting tbq to 6000# below the slips. Left pkr swinging @ 8415' KB. Secured well. SD until 12/28/92. NOTE: Left ±15 of cut off 2-3/8" tbq, 2-3/8" seating nipple & 2-3/8" x 4-1/2" Baker Lok set in the hole below the CIBP @ 9225'. SDFN.

12-25-92 SDFH.

12-26-92 SDFH.

12-27-92 SDFH.

12-28-92 SDFH.

12-29-92 SITP & SICP = 0#. RIH to 8605' & circulated 2% KCl water containing pkr fluid and clay stay. Laid down 6 jts. ND BOP's & drilling spool. Set pkr @ 8421 KB w/14,000# compression. Seating nipple @ 8417 KB. NU wellhead. Pressure tested csq to 500#; held OK. RU swab & swabbed tbq down to seating nipple. RU Wedge wireline & made gauge ring run 1-11/16" OD & tagged PSTD of 9185' KB. RU perforating gun & pressure tested lubricator to 2250#; held OK. WIH; gamma ray tools failed 3 times. Unable to get new tools out before dark. RD Wedge. Secured well. SDFN. DC = \$5,350. CC = \$20,545.

12-30-92 SITP & SICP = 0#. RU Wedge wireline. WIH & perforated the Strawn from 8503'-8528'; 6 JSPH for a total of 180 holes. Well had no pressure after perforating. RD Wedge. RU swab. Initial fluid level 7900' from surface. (Seating nipple @ 8417' KB.) Recovered small amount of fluid. Waited 30 minutes, made swab run, found fluid level @ 7800' from surface. Recovered small amount of fluid. RD swab. Recovered total of 2 BW. Secured well. SDFN. DC = \$7,738. CC = \$28,283.

12-31-92 SITP & SICP = 0#. Was slight blow on the tbq. RU swab & found initial fluid level @ 7500' from surface. Had 300' of fluid entry. Recovered approximately 1.5 BW. RU Halliburton. Pumped 400 gal of MOD 101 acid (7-1/2%) followed by 30,000 scf N2 when reached max surface treating pressure of 6000#. Prior to job, had put 500# on annulus. Let pressure bleed off to 5200# & attempted N2 again. Did this two more times until had 50,000 scf N2 pumped, which equalized 38 bbls of total fluid pumped (acid & N2). Let pressure bleed off to below 5000#. Bled off thru 12/64" choke. RD Halliburton. RU swab. IFL = 5500'; FS = 7800'. RD swab. Secured well. SDFN. (Recovered total of 6.5 bbls of acid water.) DC = \$9,347. CC = \$37,630.

1-01-93 SITP/SICP 0#. Slight blow on tbq. N/D x-mas tree. Rel pkr. N/U drlg spool & hydraulic BOP's. RIH to 8538'KB & spotted 1.5 bbls 7-1/2% acid. Pulled up hole & pkr was dragging. Set pkr back @ 8421'KB. Rel pkr, reset twice, would not hold 500# on annulus, well circ'd. Rel pkr, POOH. Found no rubbers on pkr. WIH w/ redressed Baker lok-set pkr. Set pkr @ 8421'KB w/ 14,000# compression pressured annulus to 500# - held OK. R/U Halliburton & broke perms @ 5600# surface press. Pumped 1.5 bbls acid away @ 2 BPM @ 2400#. S/D, bled pressure off tbq & annulus. N/D BOP's & drlg spool. N/U x-mas tree. R/U Halliburton wellhead isolated tool, put 500# on annulus & pumped 2600 gals Model 101 acid (7-1/2%) w/ nitrogen dropping 50 balls for divert. Saw fair ball action. Max press 5630#, avg press 5600#; avg rate 4.5 BPM (fluid & nitrogen). ISIP 4000#; 5 min - 3780#; 10 min - 3760#; 15 min - 3760#. R/U & bled well back to 400#. Removed Halliburton isolation tool. Opened well back up on 1" choke, flowing @ 100# well died. R/U swab. IFL scattered. Made 1 swab run. Rec. total 59 BW (acid wtr). R/D swab. Secured well. S/D until 1-04-93. DC = \$16,216. CC = \$53,846.

1-05-93 SITP/SICP 0#. CWU on 16/64" choke; blew down in less than 10 min. R/U swab. IFL 2500'FS. Made 6 swab runs, swabbed well dry; FFL 7800' FS. Recov'd 20 BW during 6 swab runs. Waited 1 hr. Ran swab, found FL @ 7400'FS. Waited another hour; made swab run, found FL @ 7400'FS. Recov'd 5 BW in 2 hrs. TR for day is 25 bbls. No show of gas or oil. DC = \$1,557. CC = \$55,403.

1-06-93 SITP 210#; SICP 0#. Bled well down. R/U swab. IFL 6500'FS. Made 1 swab run. SWI. RDPU & rel unit. Recov'd 2 BW on the one swab run. DC = \$3,142. CC = \$58,545. FINAL REPORT.