

Recompleted from Bone Spring to Queen.

Set 5 1/2" CI bridge plug @ 8150' & capped w/ 1 sx. cement.
 Set 5 1/2" CI bridge plug @ 5700' & capped w/1 sx. cement.
 Perforated 5 1/2" casing 5650' - 5652' w/4 jet shots per foot.
 Set Baker Model K Cement retainer @ 5619'. Pumped 5 BO down tubing followed by 30 sx. DOC. Pumped oil into formation @ 2000 psi. With 3 barrels DOC in formation pressure 2200 psi. Pressure gradually increased to 2400 psi. With 6 bbls. DOC in formation. Pumping at rate of 2 1/2 b/m. 1 minute SIP 2000 psi. After WOC 30 hours tubing on vacuum. Pumped 15 BO in casing perforations @ 5650' @ 2200 psi @ 2 b/m. Pulled tubing. Perforated @ 5200' w/4 holes. Ran Baker stinger sub on 2 1/2" tubing. Set into cement retainer. Pumped 100 BW down casing annulus thru perforations @ 5200' @ 2000 psi @ 2 b/m. No returns thru tubing. Pumped down tubing into perforations @ 5650' & obtained returns in annulus from perforations 5200' w/200 BW @ 1200 psi @ 3 b/m. Washed behind casing w/1000 gallons 15% MCA thru casing perforations @ 5650' - 5200' followed w/235 BW. Mixed 100 sx. regular cement & pumped down tubing into perforations @ 5650' @ 1200 psi. Pulled 2 1/2" tubing. Ran Worth Well temperature survey which indicated cement @ 505' outside casing & hit bridge @ 5187'. No indication of cement inside casing @ 5187'. Cleaned out to 5615'. Found cement retainer @ 5615'. Displaced water w/oil. Ran Worth Well temperature survey which indicated cement from 5200' - 5615' outside 5 1/2" casing. Perforated 5 1/2" casing 5568' - 5588' w/4 jet shots per foot. Pumped 35 BO into formation. Treated formation down 2 1/2" tubing thru casing perforations 5568' - 5588' w/10,000 gallons Control-frac containing 1# sand/gallon & 500# F-3, fluid loss control additive. Overflushed w/163 BO. Pumped 28 BW into casing perforations @ 5200' at rate of 2 1/2 b/m @ 1900 psi. Pulled 2 1/2" tubing. Set Baker Model K-2A bridge plug @ 5250'. Perforated @ 4200' w/4 jet shots per foot. Ran casing scraper on 1 joint 2 1/2" tubing on sand line. Failed to get past 4200'. Ran 5 jts. 2 1/2" tubing, jars & sinker bar on sand line. Scraped 4200' - TD. Encountered tight places last 700'. Ran full-bore cementer on 2 1/2" tubing & set cementer @ 4567'. Pumped down casing-tubing annulus thru perforations @ 4200' w/8 BW @ 1200 psi @ 3 1/2 b/m. Failed to circulate. Pumped 54 BW down tubing thru casing perforations @ 5200' @ 1900 psi @ 2 b/m. Failed to circulate. Pulled tubing & cementer. Perforated @ 5040' w/4 holes. Set full-bore cementer @ 4567'. Pumped 25 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Pumped down casing-tubing annulus thru casing perforations @ 4200'. Circulated thru Bradenhead. Circulated 125 BW. Pumped down tubing w/30 BW thru casing perforations @ 5040'. Failed to circulate from 5040' - 4200'. Pumped 70 BW down casing annulus thru perforations @ 4200' @ 3 1/2 b/m @ 2600 psi. Failed to circulate. Pumped 50 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Pumped 50 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 245 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Flowed back approximately all water pumped into well. Pulled tubing & retrievable cementer. Perforated 5 1/2" casing @ 4860' w/4 jet shots. Set retrievable cementer @ 4497'. Pumped 80 BW down tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 80 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 60 BW down tubing thru perforations @ 4860'. Failed to circulate. Added 14 jts. 2 1/2" tubing & set packer @ 4938'. Pumped 60 BW down tubing thru casing perforations @ 5040'. Failed to circulate. Pumped 60 BW down casing annulus thru perforations @ 4860'. Failed to circulate. Pumped 60 BW down tubing thru perforations @ 5040'. Failed to circulate. Pulled 14 jts. 2 1/2" tubing. Set packer @ 4497'. Pumped 60 BW down tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 50 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 40 BW down tubing @ 5 b/m @ 2000 psi. Failed to circulate. Flowed all water back. Pulled 2 1/2" tubing & retrievable cementer. Set 5 1/2" Baker 2-A CI bridge plug @ 5060' & capped w/1 sx. cement. Ran retrievable cementer on 2 1/2" tubing. Set packer @ 4938'. Pumped down tubing w/100 BW thru perforations 5040' - 4860'. Pulled 14 jts. 2 1/2" tubing. Set packer @ 4497'. Pumped 30 BW down tubing thru perforations @ 4860'. Mixed 1000 gallons Form-gel. Pumped gel down tubing & displaced w/49 BW. After shut in 15 minutes pumped 346 BW down tubing. Failed to circulate. Pumped 60 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Pumped 70 BW down tubing thru perforations @ 4860'. Failed to circulate. Pumped 70 BW down casing thru perforations @ 4200'. Failed to circulate. Pulled 2 1/2" tubing & retrievable cementer. Set Baker 2-A CI bridge plug & capped w/1 sx. cement. Ran retrievable cementer on 2 1/2" tubing, set @ 4497'. Pumped 100 BW down tubing thru casing perforations @ 4860'. Failed to circulate. Pumped 100 BW down casing annulus thru perforations @ 4200'. Failed to circulate. Spotted 1000 gallons MCA thru casing perforations @ 4860'. Flushed down tubing w/31 BW. After waiting on acid 24 hours pumped 100 BW down casing thru perforations @ 4200'. Failed to circulate. Pumped 150 BW down tubing thru casing perforations @ 4860'.

Approved by the Board of Directors

(Faint mirrored bleed-through from reverse side)