12/4/66

Set Baker AC bridge plug at 7306 with Schlumberger wire line. Fumped 15 BPA at 2000 psi down casing, BP leaking. Ran "whop" BP, stopped at 6900', apparently Baker BP traveled up when well was flowed for few minutes to confirm leaking of, pushed down to 7308. Set "WASP" at 7302. Pressure tested casing to 4500 psi. Held ok.

Perforated upper Dakota 7154-58, 7279-82, 7286-90, 7292-95; total of 14' with 28 Schlumberger hyper Jets, 2 holes per foot. well kicked when zone 7279-95 was perforated. Sand fractured upper Dakota perforations 7154-7295 down 42" casing by Dowell. 500 gal. Mud acid ahead, mixed 60000# 20-40 sand at \frac{1}{2} to liff per gal. with water, 4800 to 3300 psi, 40-51 BFM, displaced with 130 bbl. water at final pressure of 3600 psi, 48 Bill. Immediate SIP 1700 psi. 4191 hill used.

Set Baker NC cast iron BP at 4800 with Schlumberger wire line. Pressure tested casing to 4500 psi, held ok. Perforated Cliff house Mesaverde sand 4688-4708, 20' with 80 Schlumberger Hyper Jets, did not kick after perforating. Set Baker Retrievamatic packer (open end) in 43 casing at 4658.

- 12/6/66 bwab tested Cliff House perforation, fluid level at 400', swabbed from bottom 4658, no fillup.
- Han swab, found 100 fillup, water, swabbed down to bottom. Fumped 1000 gals. 12/8/66 15% Dowell BDA acid into perforations 4688-4708, displaced with 182 bbl. water. Immediate SIP 900 psi. Swabbed down, water and acid water recovered, swabbed tubing dry. Some gas fumes.
- 12/9/66 well dead, filled tubing with water, unseat packer. Set Baker metrievamatic packer at 4373'. Pressured annulus to 1000 psi. Cement squeezed perforations 4688-4708, by Halliburton, with 100 sacks class C cement containing 0.8% Halad 9 fluid loss additive. Estimated cement top 4600. Fressure leveled at 600 psi. Pulled packer.
- 12/10/66 Tagged top of cement at 4520. Pressure tested to 2000 psi, neld 15 min. UA. Drilled cement to 4755, pumped water down casing at 3/4 bPh, 2000 psi, 47° of cement below perforation 4688-4708, indicated that BP at 4500' leaked during squeeze. hard cement at 4755. Fressure read by halliburton.
- 12/11/66 Ran Baker Roto-Vert casing scraper to 1755, pulled scraper. Set Baker Retrievamatic Packer at 4750. Fressured to 2000 psi on tubing and below packer at 4750, held 15 min. Oh. Set retrievamatic packer at 4370, pressured annulus to 1000 psi, pumped water into perforations 4608-4708 at 2 BPM. 2100 psi. Mixed 100 sacks class C cement (containing 0.8% Halad 9 fluid loss additive and 2% CaCL2) at 2100 to 1700 psi. Pressured up to 3100 psi, meld OR, pulled packer.
- 12/12/66 Fulled mill and ran new 3 3/4" mill. Drilled 4555-4680 hard cement; 4688-4744 void; 4744-4752 soft cement. Pressured 2200 psi 15 min. Held UK. Drilled soft cement 4752-4758; 4758-4800 void, tagged bridge plug (Baker NC cast iron) at 4800'. Circulated hole. Drilled top of BP at 4800', well flowed water and gas out of blooie line. Drilled on lower part of BF, pulled mill, worn bald. Drilling on BP with 3 7/8" bit, drilled through. Fushed down to 7295, drilled remainder of BP, cleaned out sand; drilling bP at 7302.
- 12/14/66 quit drilling, come oif bit.
- 12/15-16/66 Fishing for cone, milling on iron.
- 12/17/66 Pushed plug down to 7387, pulled mill, pieces of cast iron and magnesium in junk basket. Cleaned out to 7470 AB.

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