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Sandra Chik

Date and time 06/22/88 11:53:52

From: Sandy Chik
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Subject: San Juan Unit 28-7 #145 CASING REPAIR

DETAILED PROCEDURE:

1. Blow well down, kill with 1% KCL.
2. Unseat pkr. Talley out w/tbg and pkr.
3. RIH w/RBP and Model G packer on 2-3/8" tbg. Set RBP @7418'. PT RBP and tbg to 2000#. PUH and set pkr @ 4715'. PT backside to 1000#. PUH and set pkr @ 4695'. Isolate leak @ 4695' to 4715'. ER 2.4 BPM @ 1000#.
4. TOOH w/Model G pkr @ various stops. PT to 1000# on tbg and backside. Set pkr @ 2134'. PT backside leak ER 3.6 BPM @ 750#. POOH w/Model G pkr and 2-38" tbg. TIH w/fullbore pkr and 15 strands of 2-38" tbg. PT backside to 1000#. Held.
5. RIH w/fullbore pkr and Model C RBP on 2-3/8" tbg. Isolate leak @ 4700'. ER 2 BPM @ 900 psi. PUH. Isolate leak @ 4290'. ER 1.25 BPM @ 840 psi. PUH. Isolate leak @ 3535'. ER 1/4 BPM @ 1000 psi. PUH. Isolate leak @ 1220'. ER 1.25 BPM @ 800 psi. TOOH w/fullbore pkr and 2-3/8" tbg. RIH w/2-38" tbg. Retrieve Model C RBP. TOOH w/Model C RBP and 2-3/8" tbg.
6. RIH w/tbg and pkr. Set pkr @ 4000'. Established rate 1-1/2 BPM @ 400 psi. Mix 75 sx Class G cmt x/.8% D 60 fluid loss. Cmt was on vacuum til it hit hole in csg. Did not get a squeeze. Let set 3 hrs. Released pkr. Run in to 4181'. Spotted 10 sx or 2 bbls. Closed bypass. Attempted to squeeze. Had a max pressure of 750 psi, but would not hold pressure. Overdisplace leak w/5 bbls. Used total of 85 sx Class G w/.8% of D 60.
7. Set pkr @ 4181'. PT csg to 1250#, leak off 60# in 25 min. Pressure stabilized @ 1190#. Released pkr. POOH w/tbg and pkr. RIH w/tbg openended. Spot 5 sx cmt @ 3535'. POOH w/tbg. Tie into csg. Squeezed in csg leak @ 1220' w/25 sx Class G .8% of D60 and 30 sx of Class G neat cmt. Max squeeze pressure is 560#. Final press = 350#. Put total of 48 sx out behind csg. Shut csg in.
8. RIH w/tbg, 3-7/8" bit, and 4-1/2" csg scraper. Drilled squeeze @ 1220'. PT to 750#, held OK. RIH to 3535'. Drilled out squeeze. PT to 750#, leaked off 50# in 20 min. Pressure holding @ 700#. RIH to 4300'. Drilled to cement. PT to 750#, leak 50# and held @ 700#. RIH, wash and drill to 4720'. Circ hole clean. POOH w/tbg, bit and csg scraper.
9. RIH w/tbg. Cleaned out top of BP w/foam. Released plug. POOH w/tbg and plug. RIH w/tbg and 3-7/8" big. Cleaned out to PBTD w/foam. POOH w/tbg and bit. RIH w/tbg and Lokset Baker production pkr. Set pkr @ 7401' w/200' of tailpipe. Pkr has 8000# of tension pulled on it.
10. Well back on production.

SDC

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