

AUG 19 2002

Central Vacuum Unit No. 58 (Repair Casing Leak) -- continued

- 05-22-02 TIH w/bit, csg scraper and tbg; run scraper to 1623'. TIH w/pkr. Test csg; located leak in 4-1/2" csg; top @ 1134' and bottom @ 1166'. Release pkr.
- 05-23-02 TIH w/cmt retainer and 2-3/8" tbg to 1037'; set retainer. Cmt squeeze hole in csg from 1134' to 1166' w/45-1/2 sacks Class C cmt w/2% CaCl. Sting out of retainer; reverse out: 33 sacks in formation; 9-1/2 sacks in csg. Reverse out 3 sacks.
- 05-28-02 TIH w/bit, drill collars and 2-7/8" tbg. Tag cmt @ 1037'. Drilled out cmt retainer to 1042'.
- 05-29-02 Started drill cmt @ 1027' to 1037'. TIH w/drill collars and 2-3/8" tbg. Fall out of cmt at 1170'; circulated hole clean; chart well to 560; lost 50 psi in 30 min. TIH w/csg scraper and tbg to 1235'. TIH w/pkr to 1173'.
- 05-30-02 Test csg w/pkr set at 1173'; test below ok. Test csg w/pkr set at 1140'; test above ok. Test csg again. Small leak between 1140' to 1173'. TIH w/tbg to 1300'.
- 05-31-02 Pump in 6 bbls Micro fine squeeze crete cmt. TIH w/pkr and tbg; Set pkr @ 883'.
- 06-03-02 Rel pkr. TIH w/DC and 2-3/8" tbg. Tag cmt @ 1021'; drill to 1190'. Chart csg to 540 psi; lost 100 psi in 30 min. Continue drilling out cmt to 1254'.
- 06-04-02 TIH w/DC and tbg; tag cmt @ 1254'. Drill to 1335'; fall out. TIH w/csg scraper and tbg to 1366'. TIH w/pkr and 2-3/8" tbg to 1173'; set pkr and test to plug (good). TIH to 1300' 2-3/8" tbg.
- 06-05-02 Circulated 20 bbls F/W. Pump in 5 bbls of micro fine squeeze crete. TIH w/pkr to 883'; set pkr. Squeezed .3 bbls at 1000 psi.
- 06-07-02 Rel pkr. Tag cmt @ 1061'; drilled to 1092'.
- 06-10-02 Start drill cmt @ 1092'; drill to 1221'. Test csg to 500 psi; lost 120 psi in 30 min. Finished drill out to 1340'; fell out of cmt. TIH to 1300'.
- 06-11-02 Spot 5 bbls cmt in 4-1/2" csg from 1000' to 1300'. Reverse tbg w/20 bbls. TIH w/pkr and 2-3/8" tbg. Set pkr @ 883'. Start pmpg cmt.
- 06-13-02 TIH w/DC and 2-3/8" tbg. Tag @ 1152'; drilled to 1190'.
- 06-14-02 Start drill @ 1221'. Drilled to 1330'.
- 06-17-02 Chart well to 500 psi; lost 100 psi in 30 min. TIH w/prod tbg. TIH w/WS to wsh sand and cmt off RBP. Tag @ 4260'. Wash sand and cmt off RBP.
- 06-18-02 Rel RBP. TIH w/CIBP @ 4290'.
- 06-19-02 TIH w/2-3/8" tbg to CIBP @ 4290'. Spot 50' cmt on top of CIBP up to 4240'. Spot 20 bbls drian gel from 4240' to 3000'. Spot 400' cmt plug from 3000' to 2600'. Spot 20 bbls drian gel from 2600' to 1300'.
- 06-20-02 TIH w/tbg. Tag plug @ 2599'; pull up to 1300'. TIH w/bit and tbg to 1167'.
- 06-21-02 Pump in 12 bbls Class C cmt w/2% CaCl; displaced with 7-1/2 bbls.
- 06-24-02 TIH w/bit and tbg; tag cmt @ 544'. TOH w/pkr set @ 530'. Chart and test good to surface. Pump into squeeze area 530' to 544' 3/4 bpm

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- @ 1500 psi.
- 06-25-02 Pump 12 bbls Class C cmt w/2% CaCl and 4.4 bbls of displacement shut in psi 1100.
- 06-26-02 Chart csg to 550 psi; leaked off 15 pds in 30 min. TIH w/bit and DC and tbg to 285'. Started drilling from 285' to 482'.
- 06-27-02 Drill cmt from 482' to 1159'.
- 06-28-02 Start drlg from 1159'; fell thru at 1166'. Chart to 500 psi; lost 12 pds in 30 min test (good). Drill cmt from 2599' to 2966'.
- 07-01-02 Drilling out cmt @ 2966'; fell thru @ 3015'. Attempt to chart; lost 50 psi in 30 min. TIH w/DC, bit and ws tbg to plug @ 4264'.
- 07-02-02 Attempt to chart and test to 500 psi (no test); lost 70 psi in 30 mins. TIH w/4-1/2" pkr and 2-3/8" tbg. Test csg from 593' to plug 4290' (good). Test csg from 528' to surface (good). Found holes in csg between 528' and 593'. Shut down. FINAL REPORT.

NOTE: Unsuccessful attempt to squeeze casing leak – no chart attached.

Plans are to Plug and Abandon the subject well.