

16 HAMMOND #7 7/30 100% 5295 TD - Running 5-1/2" casing. 1/2" @ 5295'
 Largo Chacra-Blanco kv (Dev) (O) Ran Dresser-Atlas CDL, CHL & Dual Ind Focused log w/
 8-5/8 @ 265; ES @ 5295 Linear Correl. Mud: 9.3#, 55 vis, 6.8 WL, 2/32 FC. \$ 86,180
 AFE \$235,910

17 ditto 7/31 5295 TD - WOC. Ran 52 jts, 5-1/2" OD Butress thd 15.5#
 5-1/2 @ 5294; ES @ 5295 K-55 and 75 jts 5-1/2" OD Erd 15.5# K-55 L&C casing, 5281
 set at 5294' MB. DV tool @ 3951.17'. Cmtd 1st stage w/
 100 sx 50-50 Poz w/ 12.5# gilconite/sack fol w/ 50 sx Cls
 "B", reciprocated pipe 10-15', PD 9:45 am 7/30. Open IV,
 circ 1-1/2 EM, disconn cmt truck, hook up rig pump, could
 not circ w/1200#. Press to 3500# & failed to circ. Set
 hanger, cut off csg. Rig rel 3 pm 7/30/77. Used 8 cmtls
 23 reciprocating scratchers, Baker GS & Diff. Fill Collar
 Baker IV tool. \$ 117,830

17 ditto 8/1 5295 TD - WOC. MORT \$ 117,830

17 HAMMOND #7 8/2 100% 5295 TD - NO completion \$117,830
 Largo Chacra-Blanco MV (Dev)
 5-1/2 @ 5294; ES @ 5295
 AFE \$235,910

10/08/77 5295 TD - Prep MI pmp, pit, BOP & tbq. MI & RU Farmington Well Serv. Unit. No trucks
 avail. \$118,041

10/09/77 5295 TD - SD f/Sunday. Fin moving in equip & tbq. MI & fill frac tanks. PU & ran
 129 jts 2-7/8" tbq w/SN, collar & cent. on btm. Tag DV @ 3987.51' KB. Pld &
 LD 1 jt. SD til Mon. \$126,283

10/10/77 5295 TD - SD f/Sunday. Prep to CO & check DV tool. \$126,283

10/11/77 5295 TD - Prep to drill out DV. Corr DV 3955.67' tbq meas. Rev circ @ DV f/1 hr.
 POH w/tbg. RU cmtg head & BJ cmtrs. Att to circ 5-1/2" csg. Pr to 3000#, no
 fld movement. Remove cmtg head, inst BOP. Ran 4-3/4" bit, scraper on 2-7/8"
 tbq, set on DV att'g to close. No apparent movement, poss closed. Closed pipe
 rams. Pr to 3000#, held 30 min. FD BJ. SDON. \$129,003

10/12/77 5295 TD - Prep to run GR collar correl. & cmt bond log. Drid out DV @ 3956' & ran
 bit & scraper on 2-7/8" tbq to PBD 5253'. POH w/bit & scraper. Closed blind
 rams & SDON. \$130,565

10/13/77 5295 TD - Prep to LD tbq & frac. RU Go Int'l. Ran CBL w/collar GR correl. Perf
 MV 1 shot/ft., 5204', 5198', 5195', 5158', 5155', 5148', 5145', 5136', 5132',
 5128', 5115', 5112', 5110', 5107', 5101', 5098', 5095', 5092', 5088', 5084',
 5081', total 21. Comp Dens & Neut log meas. Ran 2-7/8" tbq w/5-1/2" Bkr pkr.

10/13/77 cont'd. Spot 250 gal 15% HCl over perfs 5081-5204', pld & LD 6 jts tbq. Set pkr @ 5030'
 Ac'd w/1500 gal 15% HCl. MR 5-1/2 BPM @ 650#. Min 4 BPM @ 750#. Drop 30 ball
 sealers, some ball act. 0# after 30 min. Lower pkr to knock off sealers. Pl &
 LD 35 jts tbq. SDON. \$137,042

10/14/77 5253 PB - Prep to frac. POH w/remaining 2-7/8" tbq & Bkr pkr. LD tbq. Closed in.
 \$137,844

10/15/77 5253 PB - Prep to run tbq, CO sd. RU Dowell. Sd wtr frac MV perfs 5081-5204' OA dn
 5-1/2" csg w/155,000# 20-40 sd & 135,100 gal 2% KCl wtr w/2# friction reducer
 & 16# J-84 fld loss additive per 1000 gal:
 25,000 gal pad 2200-1650# 42 BPM
 15,000 gal 1/2#/gal 1650-1550# 42 BPM
 20,000 gal 1#/gal 1555-1600# 42 BPM
 25,000 gal 1-1/2#/gal 1600-1400# 42 BPM
 45,000 gal 2#/gal 1400-2300# 42 BPM
 5,100 gal Flush 2300-2500# 42 BPM
 MP 2500#, min 1400#, avg 1600#, 1SD 1000#, 15 min 500#. JC 12:15 pm 10/14.
 SI 5 hrs. RU Go Int'l. Ran temp survey 3900' to top sd @ 5109', vy sml cooling
 effect @ 5036', max cooling effect 5080-5100'. Pld temp bomb. Closed rams.
 SDON. \$159,886

10/16/77 5253 PB - Opn to pit. PU 2-1/16" 1J tbq, ran in to top sd @ 5109'. Hook up Newsco
 & pmp truck. Used N2 & foam to CO wtr & sd to 5245'. Pull & LD 6 jts tbq.
 Landed 152 jts 2-1/16" OD 3.25# N-80 1J 10 rd tbq @ 5044.18' KB. Hung tbq on
 donut, instl'd tree, left opn to pit. \$172,368

10/17/77 5253 PB - Prep to swb. TP 0#, CP 160#, opn to pit over weekend. \$172,368

10/18/77 5253 PB - Cont to swb. 8:00 am 10/17, CP 135#, TP 0#, opn to pit. FL 1500'. Swb 9
 hrs, rec'd 85 BLW, last 3 hrs, plg f/5000', rec'g 1500' gas slugs & GCW. CP
 to 350#. SDON. Left opn to pit. \$173,380

10/19/77 5253 PB - Cont to swb. 8:00 am 10/18, CP 360#, TP 0#. Ran swb, FL 1800'. Swb 9 hrs,
 rec'd 85 BW. After 1st 3 runs (last 8 hrst) plg f/5000'. CP @ end 575#. SDON.
 Left opn to pit, -3146 BLW. \$174,287

10/20/77 5253 PB - Prep to blw dry w/N2. Yest 8:00 am, CP 620#, TP 0#. Swb 3-1/2 hrs. Poured
 12 gal ARCO foamer, tied tbq & csg together, let set 1 hr for foamer to drop.
 Opn csg to pit. CP bled to 0# w/no fld rec'y. Opn tbq to pit, rec'd small amt
 foam & died. Pour new rope socket & cont'd to swb. Total swbd 6 hrs, rec'd est
 50 BLW w/sml amt oil. SDON. Left tbq & csg opn to pit, -3096 BLW. \$175,126