

Ralph Lowe No. 1 Indi basin

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9/17/62

77  
Pulled pkr loose. Circ gas out. Cond mud. Pulled out of hole. Laid pkr assy down. Picked up 6 D.C.s. Put on bit & went in hole. Drid 3 retainers at 7600' - 7634' - 7644'. Drid out of cement at 7681'. No cement on perf from 7681' - 7688'. Lost 60 bbls mud-mixed 2 ex Mica.

9/18/62

Pulled out of hole. Picked up Halliburton RTTS tool. Set tool at 7624'. Pressured up to 2000#. Leaked off to 1200# in 34 mins. Picked up to 7619'. Set pkr & pressured up to 2000#. Leaked off to 1250# in 34 mins. Pulled out of hole. Laid down RTTS tool. Put on bit, Baker wall scraper & 6 D.C.s. Drid cement retainer at 7698'. Drid 68' cement. Picked up tbg down to 9317' to cond mud-mixed 600# Caustic, 250# Queb. mud, 40 vis., 9.1 wt.

9/19/62

Circ & cond mud 5 hrs., Mixed 2 bbls (110 gals) corrosion inhibitor. Pulled out of hole. Picked up Halliburton RTTS tool. Went back in hole, set tool at 7789' and tested bottom part of pipe. Held 2000#, 30 mins. Set tool at 7695' to test perfs from 7710' - 7766'. Put 2000# on. Lost 50# in 30 mins. Put back on 2000#. Lost 25# in 30 mins. O.K. Circ & cond mud. Pulled out of hole with RTTS tool.

9/20/62

8

7  
Set Baker Midel "K" Type "DM" retainer at 7615'. Went in hole with 2-1/2" tbg. Used 50 ex reg neat cement, pmpd in formation at 4000#, 2 bbls per min. Max PSI 4500#. Pulled out of hole. Set Baker Model "K" Type "DM" bridge plug at 7550'. Dumped one sack of cement on top of same. Perf 7376' - 7538' with 3 jets/ft. →

9/21/62

Ran tbg to 7544'. Spotted acid. Set Otis plug in tbg. Set back 189'. Bottom of tbg at 7356'. A/25,000 gals DS-30 acid. Press. went to 3200#. Formation broke back to 1600#. Put all pumps on.

Max press. 4700#, 6000 gals in, ran 150 balls  
4600#, 5000 gals in, ran 100 balls  
4600#, 13000 gals in, ran 100 balls  
4500#, 17700 gals in, ran 100 balls  
4400#, 20000 gals in, shut down to drop balls  
3800#, 23000 gals in, start flush at 12 bbls/min.  
3400#, 25000 gals flush complete, 10 bbls/min.  
Overall inj. rate 11.1 bbls/min.

Kicked off natural in 8 mins at 11:30 A.M.

2:00 P.M. 600# tbg PSI, 20,500,000 cu. ft.

4:00 P.M. 650# tbg PSI, 20,800,000 cu. ft.

Continued to flow at this rate throughout day making acid wtr & dist. On open choke.

9/22/62

Flwg C. tstg well. Still flwg at rate of 20,800,000 cu. ft. with 650# tbg PSI. Water decreased some. Put on 3/4" ch & flwd 30 mins. Flwd at rate of 15,900,000 CFPD with 1000# tbg PSI. Press. built up to 1650# in 5 mins. Shut in.

9/23/62

Shut in well at 10:00 A.M. & started killing well. Hole started taking fluid on vacuum. Pumped mud & wtr in slow.

7538  
7376  
162