

## COMPLETION and WORKOVER

WELL : LO16-24

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DATE	REMARKS
20/12/98	<p>CASING AND CEMENT REPORT</p> <p>Ran 59 jts of 13 3/8" csg . K55 . 54.5 # at 2470'</p> <p>Shoe at 2470'</p> <p>Float Collar at 2422'</p> <p>Cemented with 1900 sxs of cement.</p>
31/01/98	<p>CASING AND CEMENT REPORT</p> <p>Ran 140 jts of 9 5/8" csg . N80 . 43.5 # at 6807'</p> <p>Shoe at 6807'</p> <p>Float Collar at 6759'</p> <p>Cemented with 2500 sxs of cement.</p>
30/03/98	<p>CASING AND CEMENT REPORT</p> <p>Ran ? jts 5 1/2" csg . N80 . 17 # at 11100'</p> <p>Shoe at 11100'</p> <p>Float Collar at 11018'</p> <p>Cement Top at 8200'</p> <p>Cemented with 1415 sxs.</p>
30/03/98	<p>Installed shooting valve, Halliburton install cabins and prepare to run log. HLS run CNL/GR/CCL log from 10900'-9800' and 8900'-8400' and 7700'-7200'. Tested shooting valve with 3000 psi OK.</p> <p>Installed lubricator and test with 2500 psi.</p> <p>MAR-31-98</p> <p>1st. run perforated from 10796'-10792' with 16 shots. and 10770'-10764' (miss) WHP=0 psi.</p> <p>2nd. run perforated from 10756'-10742' with 56 shots. WHP=480 psi.</p> <p>Repair connector of the gun. WHP=1800 psi.</p> <p>3rd. run perforated from 10770'-10764' with 24 shots. WHP=1800 psi.</p> <p>Open well with 1810 psi. after 5 minutes, 40 psi.</p> <p>Test: 227 bbls of Diesel x 4 bbls of water x 1 1/4" x 40/50 psi.</p> <p>x 17 1/2 hours.</p> <p>When closed well the WHP is 1500 psi.</p>
01/04/98	<p>Attempt run CBL/VDL/GR/CCL negative.</p> <p>Set Bridge Plug at 10780'</p> <p>Test: Before set B.P 108 bbls of water x 13 hrs. x 1 1/4" x 40/50 psi.</p> <p>After set B.P 44 bbls of water x 5 1/2 hrs. x 1 1/4" x 40/50 psi.</p> <p>WATER ANALYSIS:</p> <p>14,000 ppm. of chloride, 0.26 Ohm-Mt. 86 F.</p> <p>Test: 195 bbls of water x 1 1/4" x 46 psi x 24 hrs. (Apr-2-98)</p> <p>Test: 158 bbls of water x 1 1/4" x 46 psi x 24 hrs. (Apr-3-98)</p>
04/04/98	<p>Set Bridge Plug at 10710'. Test Bridge plug with 950 psi OK.</p> <p>Fill up 1.5 bbls of water.</p> <p>1st. run perforated from 10086'-10076' with 40 shots formation UPPER BASAL SALINA. WHP= 0 psi.</p> <p>2nd. run perforated from 10054'-10046' with 56 shots formation UPPER BASAL SALINA. WHP=100 psi.</p> <p>3rd. run perforated from 10043'-10031' with 48 shots formation UPPER</p>

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	<p>BASAL SALINA.WHP=200 psi.  Open well without bean,pressure goes down to zero.  Test: 20 bbls of water x 1 1/4" x 30 psi.x 5 hours.  4th.run perforated from 10000'-9986' with 56 shots.formation UPPER  BASAL SALINA.WHP=180 psi.  Open well pressure goes down to zero.  Test: 5 BOPD x 2 BWPD x 1 1/4" x 30 psi x 16 hours.  Opened with 290 psi and died zero psi.  Test 1/2 BOPD x 1/3 BWPD x 1 1/4" x 30 psi x 6 hours.</p>
11/04/98	<p>PETREX-313 Skidded rig over well,bled off,N/D shooting valve installed  BOPs.RIH with DST aasy.Finished RIH with DST asy.Pumped 500 gls of  Diesel.Set RTTS packer at 9677'and start performed test by 5 hours.  Flow time (Recovered 11 bbls of Diesel and 74 bbls of crude oil)  Shut well.Finished POOH with DST assy.(During trip the well came in)  Well and Recovered 180 bbls of crude oil.RIH with RTTS and set RTTS at  9679';Open well to tank flow 60 bbls of crude oil.  Well on production to separator.</p>
16/04/98	<p>PETREX-313 PERFORMED ACID JOB.As per program.Swabbed well from 500'-  2500' Recovered 36 bbls of crude oil and acid.Put well on production.</p>
24/04/98	<p>PETREX-313 Skidded rig over well.Unset RTTS &amp; displaced gas.POOH with  RTTS.RIH with conventional installation,set packer at 9920'.  Swabbed well to 6000'.Well flowing. Tested installation OK.</p>