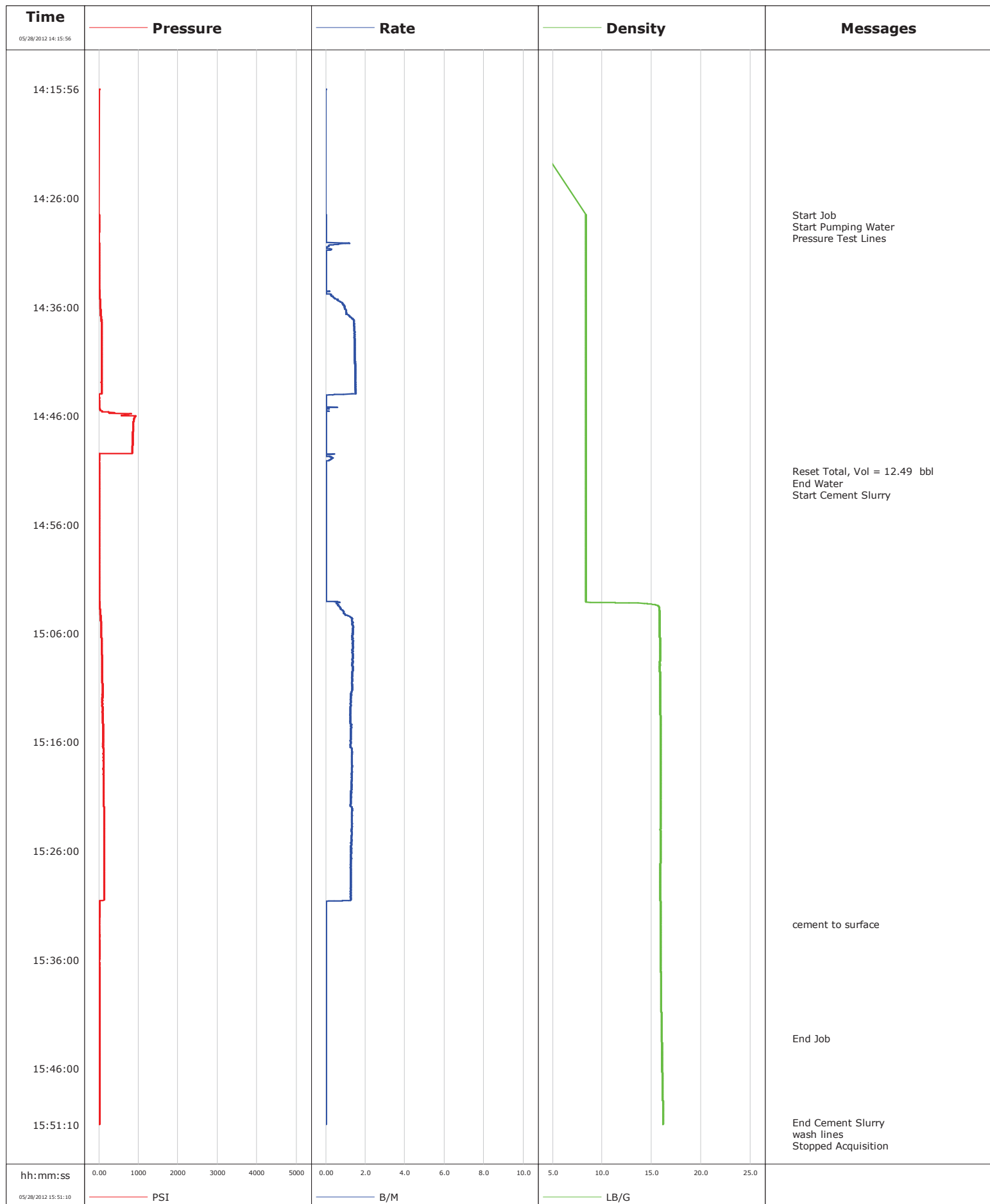


| | | | |
|-----------------|---------------|-----------------|------------|
| Well | Searcy 1-27 | Client | Shell |
| Field | WFU/Swan | SIR No. | C62J-00121 |
| Engineer | Kevin Boren | Job Type | Topout |
| Country | United States | Job Date | 05-28-2012 |





Cementing Service Report

| | | | | | | | | | | | | | | | |
|---|------------------------|---|---------------------|-------------------------------------|---------------|---------------------------------------|--------------------------|--------------------------|--|----------------------|--|---------------|--|----------------|--|
| | | | | Customer Shell | | | Job Number C62J-00121 | | | | | | | | |
| Well Searcy 1-27 | | | Location (legal) | | | Schlumberger Location Rock Springs | | Job Start May/28/2012 | | | | | | | |
| Field WFU/Swan | | Formation Name/Type Clean-Sandstone | | Deviation | | Bit Size | | Well MD 256.0 ft | | Well TVD 256.0 ft | | | | | |
| County Moffett | | State/Province Colorado | | BHP | | BHST | | BHCT | | Pore Press. Gradient | | | | | |
| Well Master | | API/UWI | | | | | | | | | | | | | |
| Rig Name N-94 | | Drilled For Oil | | Service Via Land | | Casing/Liner | | | | | | | | | |
| | | | | | | Depth, | | Size, | | Weight, | | Grade | | Thread | |
| Offshore Zone | | Well Class New | | Well Type Development | | | | | | | | | | | |
| Drilling Fluid Type Other | | Max. Density 9.80 lb/gal | | Plastic Viscosity | | Tubing/Drill Pipe | | | | | | | | | |
| | | | | | | Depth, ft | | Size, in | | Weight, lb/ft | | Grade | | Thread | |
| Service Line Cementing | | Job Type Topout | | | | 256.0 | | 1.015 | | 1.2 | | | | | |
| | | | | | | 0.0 | | 0.000 | | 0.0 | | | | | |
| Max. Allowed Tub. Press 300 psi | | Max. Allowed Ann. Press | | WH Connection | | Perforations/Open Hole | | | | | | | | | |
| | | | | | | Top, | | Bottom, | | | | No. of Shots | | Total Interval | |
| Service Instructions | | | | | | | | | | | | | | Diameter | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Treat Down Tubing | | | | Displacement | | | | Packer Type | | | | Packer Depth | | | |
| Tubing Vol. 4.0 bbl | | | | Casing Vol. | | | | Annular Vol. 16.0 bbl | | | | Openhole Vol. | | | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | 1 Hole Vol. Circulated prior to Cement <input type="checkbox"/> | | Casing Tools | | | | Squeeze Job | | | | | | | |
| Lift Pressure | | | | Shoe Type | | | | Squeeze Type | | | | | | | |
| Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input type="checkbox"/> | | Shoe Depth | | | | Tool Type | | | | | | | |
| No. Centralizers | | Top Plugs | | Bottom Plugs | | Stage Tool Type | | | | Tool Depth | | | | | |
| Cement Head Type | | | | Stage Tool Depth | | | | Tail Pipe Size | | | | | | | |
| Job Scheduled For May/28/2012 11:00 | | Arrived on Location May/28/2012 11:00 | | Leave Location May/28/2012 17:00 | | Collar Type | | | | Tail Pipe Depth | | | | | |
| | | | | | | Collar Depth | | | | Sqz. Total Vol. | | | | | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | | | | | | |
| 05/28/2012 | 14:15:12 | | | | | Started Acquisition | | | | | | | | | |
| 05/28/2012 | 14:15:56 | 23 | 0.0 | 0.00 | 0.0 | | | | | | | | | | |
| 05/28/2012 | 14:27:30 | | | | | Start Job | | | | | | | | | |
| 05/28/2012 | 14:27:30 | 2 | 0.0 | 8.36 | 0.0 | | | | | | | | | | |
| 05/28/2012 | 14:27:34 | | | | | Start Pumping Water | | | | | | | | | |
| 05/28/2012 | 14:27:34 | 2 | 0.0 | 8.36 | 0.0 | | | | | | | | | | |
| 05/28/2012 | 14:27:35 | | | | | Pressure Test Lines | | | | | | | | | |
| 05/28/2012 | 14:27:35 | 2 | 0.0 | 8.36 | 0.0 | | | | | | | | | | |
| 05/28/2012 | 14:30:12 | 6 | 0.6 | 8.35 | 0.1 | | | | | | | | | | |
| 05/28/2012 | 14:33:12 | 10 | 0.0 | 8.35 | 0.2 | | | | | | | | | | |
| 05/28/2012 | 14:36:12 | 39 | 1.0 | 8.35 | 1.2 | | | | | | | | | | |
| 05/28/2012 | 14:39:12 | 63 | 1.5 | 8.35 | 5.2 | | | | | | | | | | |
| 05/28/2012 | 14:42:12 | 63 | 1.5 | 8.35 | 9.6 | | | | | | | | | | |
| 05/28/2012 | 14:45:12 | 5 | 0.0 | 8.35 | 12.3 | | | | | | | | | | |
| 05/28/2012 | 14:48:12 | 851 | 0.0 | 8.35 | 12.4 | | | | | | | | | | |
| 05/28/2012 | 14:51:05 | | | | | Reset Total, Vol = 12.49 bbl | | | | | | | | | |
| 05/28/2012 | 14:51:05 | 4 | 0.0 | 8.35 | 12.5 | | | | | | | | | | |
| 05/28/2012 | 14:51:07 | | | | | End Water | | | | | | | | | |
| 05/28/2012 | 14:51:07 | 4 | 0.0 | 8.35 | 0.0 | | | | | | | | | | |
| 05/28/2012 | 14:51:11 | | | | | Start Cement Slurry | | | | | | | | | |
| 05/28/2012 | 14:51:11 | 4 | 0.0 | 8.35 | 0.0 | | | | | | | | | | |

| Well | | | Field | | Job Start | Customer | | Job Number |
|-------------|------------------|-----------------------|---------------|--------------|-------------|-------------------|--|------------|
| Searcy 1-27 | | | WFU/Swan | | May/28/2012 | Shell | | C62J-00121 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | |
| 05/28/2012 | 14:54:12 | 5 | 0.0 | 8.35 | 0.0 | | | |
| 05/28/2012 | 14:57:12 | 4 | 0.0 | 8.35 | 0.0 | | | |
| 05/28/2012 | 15:00:12 | 4 | 0.0 | 8.35 | 0.0 | | | |
| 05/28/2012 | 15:03:12 | 13 | 0.5 | 11.36 | 0.1 | | | |
| 05/28/2012 | 15:06:12 | 60 | 1.3 | 15.83 | 3.4 | | | |
| 05/28/2012 | 15:09:12 | 83 | 1.4 | 15.83 | 7.5 | | | |
| 05/28/2012 | 15:12:12 | 85 | 1.3 | 15.86 | 11.4 | | | |
| 05/28/2012 | 15:15:12 | 98 | 1.3 | 15.93 | 15.2 | | | |
| 05/28/2012 | 15:18:12 | 112 | 1.3 | 15.92 | 19.1 | | | |
| 05/28/2012 | 15:21:12 | 112 | 1.3 | 15.92 | 23.0 | | | |
| 05/28/2012 | 15:24:12 | 125 | 1.3 | 15.89 | 26.9 | | | |
| 05/28/2012 | 15:27:12 | 128 | 1.3 | 15.88 | 30.7 | | | |
| 05/28/2012 | 15:30:12 | 127 | 1.3 | 15.87 | 34.5 | | | |
| 05/28/2012 | 15:32:46 | | | | | cement to surface | | |
| 05/28/2012 | 15:32:46 | 9 | 0.0 | 15.90 | 35.0 | | | |
| 05/28/2012 | 15:33:12 | 9 | 0.0 | 15.90 | 35.0 | | | |
| 05/28/2012 | 15:36:12 | 12 | 0.0 | 15.92 | 35.0 | | | |
| 05/28/2012 | 15:39:12 | 14 | 0.0 | 15.96 | 35.0 | | | |
| 05/28/2012 | 15:42:12 | 15 | 0.0 | 16.00 | 35.0 | | | |
| 05/28/2012 | 15:43:15 | | | | | End Job | | |
| 05/28/2012 | 15:43:15 | 16 | 0.0 | 16.02 | 35.0 | | | |
| 05/28/2012 | 15:45:12 | 16 | 0.0 | 16.06 | 35.0 | | | |
| 05/28/2012 | 15:48:12 | 17 | 0.0 | 16.11 | 35.0 | | | |
| 05/28/2012 | 15:50:59 | | | | | End Cement Slurry | | |
| 05/28/2012 | 15:50:59 | 17 | 0.0 | 16.16 | 35.0 | | | |
| 05/28/2012 | 15:51:07 | | | | | wash lines | | |
| 05/28/2012 | 15:51:07 | 17 | 0.0 | 16.17 | 35.0 | | | |

Post Job Summary

| Average Pump Rates, bbl/min | | | | | Volume of Fluid Injected, bbl | | | |
|--|--------------|------------------------------------|--|----------------------|-------------------------------|--|--|--|
| Slurry 1.0 | N2 | Mud | Maximum Rate 2.0 | Total Slurry 35.0 | Mud | Spacer 12.5 | N2 | |
| Treating Pressure Summary, psi | | | | Breakdown Fluid | | | | |
| Maximum 110 | Final 109 | Average 108 | Bump Plug to | Breakdown | Type | Volume | Density | |
| Avg. N2 Percent | | Designed Slurry Volume 63.0 bbl | | Displacement | Mix Water Temp 65 degF | Cement Circulated to Surface? <input checked="" type="checkbox"/> | Volume | |
| | | | | | | Washed Thru Perfs <input type="checkbox"/> | To | |
| Customer or Authorized Representative Trampus Stewart | | | Schlumberger Supervisor Kevin Boren | | | Circulation Lost <input type="checkbox"/> | Job Completed <input checked="" type="checkbox"/> | |
| | | | | | | - | - | |