



30-025-40420

WELL WORKOVER DAILY REPORT

| Project No.: | | 50795A | | Date: | 10-01-12 | Report No.: | 8 | Reported By: | M. Fourrier | | |
|--------------|------|--------|--|--|----------|-------------|----------------------|--------------|-------------|--|--|
| Operator: | | AKA | | Well Name & No.: | | | Maljamar AGI Well #1 | | | | |
| Contractor: | | Nabors | | Rig No.: | 624 | County: | Lea | State: | New Mexico | | |
| Time Log | | Elapse | | Details of Operation | | | | | | | |
| From | To | Time | | | | | | | | | |
| 0730 | 0800 | 0.5 | | Arrived at location. Held safety meeting with Nabors rig crew, Servco, Baker Hughes (TCP), and Weatherford personnel. | | | | | | | |
| 0800 | 0830 | 0.5 | | Checked well for pressure. No pressure. Dropped TCP "detonation bar" down hole and confirmed detonation of perf guns. Checked well for pressure after detonation - Well pulled vacuum for a minute, then pressure on well went static or atmospheric. | | | | | | | |
| 0830 | 1100 | 2.5 | | Started pulling 2-7/8" work string / perf guns OOH. | | | | | | | |
| 1100 | 1130 | 0.5 | | Finished pulling work string OOH. | | | | | | | |
| 1130 | 1230 | 1.0 | | Perf guns OOH. Note: All perf guns fired! | | | | | | | |
| 1230 | 1530 | 3.0 | | Made up retrievable packer and running in hole to 9452' on 2-7/8" work string. | | | | | | | |
| 1530 | 1600 | 0.5 | | Finished running packer to 9452'. Set and tested packer to 500 psi. - Tested Good. | | | | | | | |
| 1600 | 1630 | 0.5 | | Replaced rope socket on sand line before swabbing. | | | | | | | |
| 1630 | 1700 | 0.5 | | Made up swab fittings, hoses, etc. Running down hole to start swabbing well. | | | | | | | |
| 1700 | 1730 | 0.5 | | Swab stopping at 200' due to restriction in 2-7/8" work string. Came OOH and broke apart swab fittings to investigate. Thread compound on swab. Cleaned swab. Made up swab fittings and going back down hole. Still unable to get past the 200' point in work string. | | | | | | | |
| 1730 | 1800 | 0.5 | | Came OOH with swab. Stopped work for the day. Secured well and left location. | | | | | | | |
| Total | | 10.5 | | | | | | | | | |
| | | | | <p>Safety Meeting: Discussed H2S gas potential to be on location and action to take if H2S is detected. Slips / Trips / Fall - 100% tie off when working monkey board. Overhead loads - stay clear at all times. Be watching for falling objects. Struck by / against, pinch points / sharp edges. "Zero Harm" to yourself, equipment, and environment. "Line of Fire". Use of tag lines while picking up / laying down perf guns, etc. Follow procedures when handling explosives - No exceptions.</p> | | | | | | | |

Work done 10-01-2012 thru 10-25-2012

FOR RECORD ONLY

ELLY 1-7-2013



WELL WORKOVER DAILY REPORT

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|---------------------|-----------|-----------------------------|---|----------------------|-----|---------------------|-------------|
| Project No.: | 50795A | Date: | 10-03-12 | Report No. | 10 | Reported By: | M. Fourrier |
| Operator: | AKA | Well Name & No.: | | Maljamar AGI Well #1 | | | |
| Contractor : | Nabors | Rig No. | 624 | County: | Lea | State: | New Mexico |
| Time Log | | Elapse | Details of Operation | | | | |
| From | To | Time | | | | | |
| 0730 | 0800 | 0.5 | Arrived at location. Held safety meeting with Nabors rig crew, Schlumberger, Pace Setter, and Servco personnel. | | | | |
| 0800 | 0830 | 0.5 | Checked well for pressure. Bled a little pressure off of 2-7/8" work string. Annular side of well – No pressure. Schlumberger and Pacesetter moved in equipment and setting up. | | | | |
| 0830 | 0900 | 0.5 | Schlumberger wireline ran in hole with 1.9" gauge ring to TD. TD found at 10,143' based on GL. Wireline with gauge ring coming OOH. | | | | |
| 0900 | 0930 | 0.5 | OOH with gauge ring. | | | | |
| 0930 | 1000 | 0.5 | Rigged up 4.0', 1.65" OD, double ball sample bailer and going down hole in order to catch a formation fluid sample at 10,130'. | | | | |
| 1000 | 1130 | 1.5 | Slickline with sample bailer OOH. Collected sample (~2.0 cups of fluid). Rewired slickline rope socket. | | | | |
| 1130 | 1200 | 0.5 | Rigged slick line lubricator back up and going down hole to catch another sample with bailer. | | | | |
| 1200 | 1300 | 1.0 | OOH with 2 nd sample. Collected 2 nd sample. Rigged down slickline. Offloaded load of 10.0 lb./gal. brine into Frac Tanks. | | | | |
| 1300 | 1430 | 1.5 | Rigged up with Sensa line and going down hole. | | | | |
| 1430 | 1600 | 1.5 | Sensa line at depth and acquiring baseline temp. profile. Spotted (2) light plants on location. | | | | |
| 1600 | 1630 | 0.5 | Held safety meeting with Pacesetter, Nabors rig crew, and Schlumberger personnel. | | | | |
| 1630 | 1700 | 0.5 | Started pumping 10.0 lb./gal. brine down the 2-7/8" work string / retrievable packer and into the formation in order to establish a flow rate. Flow rate established. Started pumping acid down hole. | | | | |
| 1700 | 1730 | 0.5 | Shutdown due to leaking needle valve. Needle valve replaced. Started pumping acid down hole again. | | | | |
| 1730 | 1800 | 0.5 | Shutdown again in order to fix another leak above the TIW valve, and change out a Halco valve. While in the process of changing out the Halco valve, a Pacesetter hand closed the TIW valve to stop acid from back flowing out of the line where the Halco valve was removed, and in so doing cut the Sensaline losing the tool down hole. Stopped Operations and notified / discussed "Path Forward" with PB Supervision. | | | | |
| 1800 | 1900 | 1.0 | Rigged down Schlumberger lubricator in order to rig up fittings so that brine can be pumped down the 2-7/8" work string to flush all acid out of the line and into the formation. | | | | |
| 1900 | 2230 | 3.5 | Rigged up and started pumping brine down hole. Pumped a total of 79 bbls. of 10.0 lb. brine down hole. Stopped pumping brine. Shutdown, Pace Setter rigged down. Note: Pace Setter spilled approx. 15 gallons of acid on location while rigging down and disconnecting transfer hoses. Secured well and left location for the day. | | | | |
| | | | | | | | |
| | Total | 15.0 | | | | | |
| | | | <p>Safety Meeting: Discussed H2S gas potential to be on location and action to take if H2S is detected. Slips / Trips / Fall – 100% tie off when working in elevated areas. Overhead loads – stay clear at all times. Be watching for falling objects. Struck by / against, pinch points / sharp edges. "Zero Harm" to yourself, equipment, and environment. "Line of Fire". Use of tag lines while picking up / laying down perf guns, etc. Importance of good, clear communications between crews. Strains / Sprains – Let the equipment pick up heavy loads. Get help if needed to lift. Use proper lifting techniques – Use legs, not back when lifting.</p> | | | | |
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WELL WORKOVER DAILY REPORT

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|---------------------|---------------|-----------------------------|---|----------------------|-----|---------------------|-------------|
| Project No.: | 50795A | Date: | 10-04-12 | Report No.: | 11 | Reported By: | M. Fourrier |
| Operator: | AKA | Well Name & No.: | | Maljamar AGI Well #1 | | | |
| Contractor : | Nabors | Rig No.: | 624 | County: | Lea | State: | New Mexico |
| Time Log | Elapse | Details of Operation | | | | | |
| From | To | | | | | | |
| 0930 | 1030 | 1.0 | Arrived at location. Checked well pressures: Tubing side: 420 psi. Back side: 460 psi. Bled pressure off of tubing and back side to circulation tank. | | | | |
| 1030 | 1100 | 0.5 | Schlumberger Fishing personnel on location. Reviewed / discussed spotting and layout of equipment with Rig crew and Fishing personnel. | | | | |
| 1100 | 1130 | 0.5 | Fishing tool hands preparing equipment. | | | | |
| 1130 | 1200 | 0.5 | Held JSA / Safety Meeting with Nabors rig crew, Schlumberger Fishing personnel. | | | | |
| 1200 | 1430 | 2.5 | Moved in / spotted Fishing trucks. Rigged up. Waiting on special Schlumberger Sensa line fishing tool to arrive by Hotshot. | | | | |
| 1430 | 1900 | 4.5 | Special fishing tool on location. Rigged up tool and in hole fishing for Sensa line tool. | | | | |
| 1900 | 1930 | 0.5 | OOH with Fishing tools. Secured well and left location for the day. Note: Unsuccessful Fishing today. Plan to release retrievable packer and pull 2-7/8" work string tomorrow, then continue fishing. | | | | |
| | Total | 10.0 | | | | | |
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| | | | Safety Meeting: Discussed H2S gas potential to be on location and action to take if H2S is detected. Slips / Trips / Fall – 100% tie off when working in elevated areas. Overhead loads – stay clear at all times. Struck by / against, pinch points / sharp edges. “Zero Harm” to yourself, equipment, and environment. “Line of Fire” – Stay clear at all times. Use of tag lines while picking up / laying down equipment. Importance of good, clear communications between crews. Strains / Sprains – Let the equipment pick up heavy loads. Get help if needed to lift. Use proper lifting techniques – Use legs, not back when lifting. Pressure extremes – Be aware and have plan / tools to control well at all times. | | | | |
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WELL WORKOVER DAILY REPORT

| Project No.: | 50795A | Date: | 10-05-12 | Report No.: | 12 | Reported By: | M. Fourrier |
|---------------------|--------|-----------------------------|--|----------------------|-----|---------------------|-------------|
| Operator: | AKA | Well Name & No.: | | Maljamar AGI Well #1 | | | |
| Contractor: | Nabors | Rig No.: | 624 | County: | Lea | State: | New Mexico |
| Time Log | | Elapse | Details of Operation | | | | |
| From | To | Time | | | | | |
| 0700 | 0730 | 0.5 | Arrived at location. Held safety meeting with Nabors rig crew and Weatherford packer hand. | | | | |
| 0730 | 0800 | 0.5 | Checked well for pressure. Tubing side pulled slight vacuum for a short time, then went static. Backside – No pressure. Rigged up pipe tongs. | | | | |
| 0800 | 0930 | 1.5 | Weatherford packer hand released retrievable packer. Pulled (2) stands of 2-7/8" work string. Found Sensaline at break. Installed clamp to hold Sensaline. Waiting on Schlumberger Fishing personnel to arrive at location. | | | | |
| 0930 | 1000 | 0.5 | Schlumberger Fishing personnel on location. Held JSA. Rigged up and clamped Sensaline. | | | | |
| 1000 | 1100 | 1.0 | Pulled enough line OOH to splice into line on Fishing truck. | | | | |
| 1100 | 1130 | 0.5 | Started pulling Sensaline OOH with Fishing truck. | | | | |
| 1130 | 1230 | 1.0 | OOH with Sensaline – No tool. (Pulled 9,500' of Sensaline OOH). Rigged down Fishing equipment. | | | | |
| 1230 | 1330 | 1.0 | Ran retrievable packer / (2) stands of work string back down hole. | | | | |
| 1330 | 1400 | 0.5 | Reset and pressure tested packer at 9452'. Tested Good! | | | | |
| 1400 | 1530 | 1.5 | Cudd on location. Reviewed / discussed acid pumping operations. Held JSA / safety meeting with Cudd and Nabors rig crew. Moved in and spotted Cudd pump trucks. Rigged up heavy wall piping, etc. | | | | |
| 1530 | 1600 | 0.5 | Pressure checked Cudd lines, etc. to 5,500 psi. – Tested Good. | | | | |
| 1600 | 1630 | 0.5 | Started pumping 10.0 lb./gal. brine down hole in order to establish a flow rate. | | | | |
| 1630 | 1700 | 0.5 | Flow rate established. Staged (started pumping), 15% HCL acid. | | | | |
| 1700 | 1800 | 1.0 | Finished pumping acid downhole (total 48 bbls.). Started pumping brine down hole. | | | | |
| 1800 | 1830 | 0.5 | Finished pumping brine (total 70 bbls) followed by 10 bbls of fresh water in order to clear lines of any brine. Stopped pumping fresh water. Closed in well, depressured lines, rigged down Cudd off of tubing side of well. | | | | |
| 1830 | 1900 | 0.5 | Secured well and left location for the day. | | | | |
| | Total | 12.0 | | | | | |
| | | | <p>Safety Meeting: Discussed H2S gas potential to be on location and action to take if H2S is detected. Slips / Trips / Fall – 100% tie off when working in elevated areas. Overhead loads – stay clear at all times. Struck by / against, pinch points / sharp edges. "Zero Harm" to yourself, equipment, and environment. "Line of Fire" – Stay clear at all times. Use of tag lines while picking up / laying down equipment. Importance of good, clear communications between crews. Strains / Sprains – Let the equipment pick up heavy loads. Get help if needed to lift. Use proper lifting techniques – Use legs, not back when lifting. Pressure extremes – Be aware and have plan / tools to control well at all times. Weather change – Cooler temp. Stay focused on task at hand. Do Not allow weather conditions distract you while working.</p> | | | | |



WELL WORKOVER DAILY REPORT

| Project No.: | 50795A | Date: | 10-19-12 | Report No.: | 19 | Reported By: | M. Fourrier |
|---------------------|--------|-----------------------------|--|----------------------|-----|---------------------|-------------|
| Operator: | AKA | Well Name & No.: | | Maljamar AGI Well #1 | | | |
| Contractor: | Nabors | Rig No.: | 624 | County: | Lea | State: | New Mexico |
| Time Log | | Elapse | Details of Operation | | | | |
| From | To | Time | | | | | |
| 0730 | 0800 | 0.5 | Arrived at location. Held safety meeting with all hands. | | | | |
| 0800 | 0900 | 1.0 | <p>Checked well for pressure. No pressure found. Offloaded Halliburton permanent packer, seal assembly and SSSV. Tuboscope on location and setting up to clean , inspect threads, run drift and tally new 2-7/8" Ultra FJ, L-80 casing.</p> <p>Note: Waiting on Baker Hughes wireline.</p> | | | | |
| 0900 | 0930 | 0.5 | Baker Hughes wireline on location and setting up. | | | | |
| 0930 | 1100 | 1.5 | <p>Baker Hughes rigged up and going down hole with gauge ring. Note: Allen's Casing Crew delivered 2-7/8" bowl / slips, tong unit, elevators, wedding band, etc.</p> | | | | |
| 1100 | 1500 | 4.0 | <p>Baker Hughes wireline broke. Lost gauge ring tool w/CCL down hole. Stopped operations. S/I and secured well. Note: Waiting on Schlumberger Slickline truck to arrive to fish gauge tool OOH. Note: McNabb delivered (2) light plants to location. Made up permanent packer assembly (BHA).</p> <p>Note: Tuboscope cleaned / inspected threads, ran drift, and tallied (302) joints of new 2-7/8", 6.4 lbs./ft., L-80, Ultra FJ casing. No rejects found! Total of (9,905.30').</p> | | | | |
| 1500 | 1530 | 0.5 | <p>Baker Hughes personnel discovered that the counter in their wireline truck was malfunctioning (skipping) when ran at higher speed, giving a false reading of the wireline depth. This false depth reading resulted in the wireline being pulled out of the rope socket when tool reached the surface losing the tools down hole.</p> <p>Note: Did not run Baker Hughes 4.65" gauge ring in hole due to damaged set screw threads (stripped out). Instead ran Halliburton's 4.65" gauge ring that was lost down hole when wireline parted. Ordered 4.65" gauge ring tool w/junk basket from Baker Hughes.</p> <p>Note: Decision made not to fish for gauge ring tools down hole.</p> | | | | |
| 1530 | 2000 | 4.5 | Waiting on Baker Hughes gauge ring with junk basket to arrive from Midland, TX. | | | | |
| 2000 | 2030 | 0.5 | Baker Hughes on location with 4.48" gauge ring with junk basket (Baker Hughes did not have another 4.65" gauge ring available). Rigging up to make gauge ring run. Also, Baker Hughes replaced "horse's head" on wireline truck. | | | | |
| 2030 | 2130 | 1.0 | Baker Hughes going down hole with gauge ring / junk basket. Tool sat down at 10,125'. | | | | |
| 2130 | 2200 | 0.5 | Baker Hughes came OOH with gauge ring, etc. S/I well and secured. Left location for the day. | | | | |
| | Total | 14.5 | | | | | |
| | | | <p>Safety Meeting: Discussed H2S gas potential to be on location. Slips / Trips / Fall potential. Overhead loads – Be aware of and stay clear at all times. Look out for falling objects, etc. Struck by / against, pinch points / sharp edges. "Zero Harm" to yourself, equipment, and the environment. Rotating equipment potential hazards – Keep clear of rotating equipt. Importance of clear communications between crew members. Stay focused on task at hand. Look out for yourself and each other at all times.</p> | | | | |
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WELL WORKOVER DAILY REPORT

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|---------------------|-----------|-----------------------------|--|----------------------|-----|---------------------|-------------|
| Project No.: | 50795A | Date: | 10-23-12 | Report No. | 23 | Reported By: | M. Fourrier |
| Operator: | AKA | Well Name & No.: | | Maljamar AGI Well #1 | | | |
| Contractor : | Nabors | Rig No. | 624 | County: | Lea | State: | New Mexico |
| Time Log | | Elapse | Details of Operation | | | | |
| From | To | Time | | | | | |
| 0730 | 0800 | 0.5 | Arrived at location. Held JSA / safety meeting with all hands (Nabors rig crew, Servco, Halliburton, Reno Services and GE Oil & Gas. | | | | |
| 0800 | 0900 | 1.0 | Checked well for pressure on tubing side. No pressure. Pulled hanger pup from hanger. Moved rig floor and nipped down BOP, rams. | | | | |
| 0900 | 1000 | 1.0 | Rigged derrick down and moved rig away from wellhead. | | | | |
| 1000 | 1030 | 0.5 | Loaded out Thomas Tools equipment. | | | | |
| 1030 | 1100 | 0.5 | Installed new injection tree. Halliburton fed 1/4" tubing through hanger, secured and locked open the SSSV with 4,000 psi. | | | | |
| 1100 | 1130 | 0.5 | GE personnel tested P-seal on extended neck of hanger to 4,500 psi. Held for (15) minutes – Tested Good! | | | | |
| 1130 | 1200 | 0.5 | GE pulled double check valve from hanger. | | | | |
| 1200 | 1330 | 1.5 | Flushed RU unit lines with diesel to remove all water. Loaded out EOS pipe racks, etc. | | | | |
| 1330 | 1400 | 0.5 | Verified / confirmed backside of well full of diesel. Hooked up pressure recorder to backside of well. | | | | |
| 1400 | 1430 | 0.5 | Pressured up backside of well (annular side) to 500 psi for MIT with BLM personnel present to witness test. | | | | |
| 1430 | 1500 | 0.5 | MIT test complete and confirmed by BLM personnel. | | | | |
| 1500 | 1530 | 0.5 | Depressured backside of well per MIT test requirements. Pressured backside of well up to 250 psi with diesel. Blocked in backside and secured well. | | | | |
| 1530 | 1630 | 1.0 | Released Nabors Rig #624. Met with AKA Supervision at well location. Discussed / reviewed Hydraulic Control Panel setup and operation with AKA Supervision. Decision made by AKA Supervision to contact PB Energy concerning operation of SSSV and control panel once process piping / electrical progresses to termination point. | | | | |
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| | Total | 10.0 | | | | | |
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| | | | Safety Meeting: Discussed H2S gas potential to be on location. Slips / Trips / Fall potential. Overhead loads – Be aware of and stay clear at all times. Look out for falling objects, etc. Struck by / against, pinch points / sharp edges. "Zero Harm" to yourself, equipment, and the environment. Dropped and/or shifting loads when picking up or moving equipment with forklift – Stay clear of forklift loads. Use flagman when backing up. Use tag lines when picking up and moving equipment around. Importance of clear communications between crew members. Stay focused on task at hand. Look out for yourself and each other at all times. | | | | |
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