

**Well Work Operations and Sundry Notice/Reporting Requirements for Pools Subject to Sundry Waiver Rules
July 15, 2005**

DEVELOPMENT [PRODUCTION] WELLS

No Forms Required -10-403 Not Required -10-404 Not Required	1 Form Required -10-403 Not Required -10-404 / 407 or other form Required	2 Forms Required -10-403 Required -10-404 / 407 or other form Required
<p>Thru-tubing Operations (D)</p> <ul style="list-style-type: none"> • Fill tag • Set & pull retrievable plugs • Change GLV's • Dummy & gauge ring runs • Pull & rerun SSSV's • Pressure surveys – unless required by some specific approval • Temperature surveys – unless required by some specific approval • Caliper surveys • Reperforating existing intervals • Bottom hole samples • Spinner surveys • Logs – CNL, TDT, CO, CCL, CBL and Other Types – Unless required by some specific approval • Pump changes. • Packoff GLM (POGLM) 	<p>Thru-tubing Operations (D)</p> <ul style="list-style-type: none"> • Permanent cement or mechanical plugs that do not completely abandon a zone. (D) • Cutting off tailpipes. (D) • Perforate new intervals within a pool (D) • Patches (D) 	<p>Thru-tubing Operations (D)</p> <ul style="list-style-type: none"> • Perforate a new pool (D) <p align="center">SPECIAL (D)</p> <p>On a case-by-case basis, a 10-403 will be required for a particular well or operation if the Commission requests it.</p> <p>If a well is operating under a sundry approval, a 10-403 may be required to perform work. The operator should consult with the AOGCC to determine if a 10-403 is needed.</p>

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Pumping Operations, including using coil.(D) <ul style="list-style-type: none"> • Tubing scale removal • Sludge removal • Freeze protection • Ice plug removal • Inhibitor squeezes • Hot Oil • Tubing acid jobs • Fill clean out 	Pumping Operations, including using coil. <ul style="list-style-type: none"> • Stimulations (frac or acid) (D) • Remedial cementing operations <ul style="list-style-type: none"> ○ Conductor Fill (D) • Squeezes/plugs to control fluid movement in zone (D) 	Pumping Operations, including using coil <ul style="list-style-type: none"> • Remedial cementing operations (including but not limited to) <ul style="list-style-type: none"> ○ Casing shoes (outer annulus) (D) • Repair casing (including but not limited to) <ul style="list-style-type: none"> ○ mechanical repairs (D) ○ “pumping” repairs (cement or gel squeezes) (D)
Other Operations (D) <ul style="list-style-type: none"> • Xmas tree & valve replacement • Diagnostic & pressure testing – unless required by some specific approval 	Other Operations <ul style="list-style-type: none"> • Seal welding on bradenheads (D) 	Other Operations <ul style="list-style-type: none"> • Convert producer (D) to injector • Major welding repairs on wellheads (D) • Conductor “cutaways” and surface casing welding repairs (D) • Annular disposal (D) (Reported on form 10-423)
	Rig/Coil Operations <ul style="list-style-type: none"> • Alteration of mechanical completion (including but not limited to) <ul style="list-style-type: none"> ○ Pulling tubing, milling packers (D) ○ Install velocity strings (D) 	Rig/Coil Operations <ul style="list-style-type: none"> • Repair Casing (including but not limited to) <ul style="list-style-type: none"> ○ Mechanical repairs (D) (scab liners, tiebacks, etc)

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SERVICE [INJECTION] WELLS

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<p>Thru-tubing Operations (S)</p> <ul style="list-style-type: none"> • Fill tag • Set & pull retrievable plugs • Change GLV's • Dummy & gauge ring runs • Pull & rerun SSSV's • Pressure surveys – unless required by some specific approval • Temperature surveys – unless required by some specific approval • Caliper surveys • Reperforating existing intervals • Bottom hole samples • Spinner surveys • Logs – CNL, TDT, CO, CCL, CBL and Other Types – Unless required by some specific approval <p>If operations in this column are planned on a disposal well, the operator should contact the AOGCC to determine if a 10-403 is needed.</p>	<p>Thru-tubing Operations (S)</p> <ul style="list-style-type: none"> • Perforate new interval within a pool (S) <p>A 10-403 should be submitted for any perforating (new or reperf) operations on a Class II disposal well.</p>	<p>Thru-tubing Operations (S)</p> <ul style="list-style-type: none"> • Perforate a new pool. (S) • Permanent cement or mechanical plugs that do not completely abandon a zone (S) • Patches (S) • Cutting off tailpipes. (S) <p align="center">SPECIAL (S)</p> <p>On a case-by-case basis, a 10-403 will be required for a particular well or operation if the Commission requests it.</p> <p>If a well is operating under a sundry approval, a 10-403 may be required to perform work. The operator should consult with the AOGCC to determine if a 10-403 is needed.</p> <p>Please note that authorization from EPA Region 10 may be necessary to perform any work on a Class I disposal well.</p>

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Pumping Operations, including using coil.(S) <ul style="list-style-type: none"> • Tubing scale removal • Sludge removal • Freeze protection • Ice plug removal • High pressure breakdown or inhibitor squeezes, excluding frac or acid jobs • Hot Oil • Tubing acid jobs • Fill clean out 	Pumping Operations, including using coil. <ul style="list-style-type: none"> • Remedial cementing operations <ul style="list-style-type: none"> ○ Conductor Fill (S) • Squeezes/plugs to control fluid movement in zone (S) 	Pumping Operations, including using coil. <ul style="list-style-type: none"> • Stimulations (frac or acid) (S) • Remedial cementing operations (including but not limited to) <ul style="list-style-type: none"> ○ Casing shoes (outer annulus) (S) • Repair casing (including but not limited to) <ul style="list-style-type: none"> ○ mechanical repairs (S) ○ “pumping” repairs (cement or gel squeezes) (S)
Other Operations (S) <ul style="list-style-type: none"> • Xmas tree & valve replacement • Diagnostic & pressure testing – unless required by some specific approval 	Other Operations <ul style="list-style-type: none"> • Injection well MIT (on MIT form) (S) • Initial conversion from water injector to WAG injector (S) • Convert from injector to producer if for more than 30 days. (S) • Seal welding on bradenheads (S) 	Other Operations <ul style="list-style-type: none"> • Major welding repairs on wellheads (S) • Conductor “cutaways” and surface casing welding repairs (S) • Annular disposal (S) (Reported on form 10-423)
		Rig/Coil Operations <ul style="list-style-type: none"> • Alteration of mechanical completion (including but not limited to) <ul style="list-style-type: none"> ○ Pulling tubing ,milling packers (S) • Repair Casing (including but not limited to) <ul style="list-style-type: none"> ○ Mechanical repairs (S) (scab liners, tiebacks, etc)