

# New Mexico Oil and Gas Spills Involving Fracking Fluid - 2011

[OGRID] Operator	Incident Date	Material Spilled	Gallons Spilled	Spill Cause	Spill Source	County	Comments
4538] BURLINGTON RESOURCES OIL & GAS COMPANY	1/13/2011	Produced Water	1680	Equipment Failure	Frac Tank	Rio Arriba	Valve on frac tank leaked, remained on location.
[255333] LIME ROCK RESOURCES A, L.P.	2/18/2011	Acid	8988	Equipment Failure	Coupling	Eddy	C-141 rec'd 2/23/11 reporting <b>release of 214 bbls of acid &amp; fresh water</b> w/ 30 bbls recovered due to the <b>nipple broke off bottom of acid truck</b> . Ground is rocky with loose soil. Spread 2000 #'s soda ash and flushed with 130 bbls fresh water, P/U 40 bbls of flush.
[246289] RKI EXPLORATION & PRODUCTION, LLC	3/22/2011	Gelled Brine (Frac Fluid)	6300	Equipment Failure		Eddy	C-141 rec'd 5/9/11 for release on 3/24/11. Reported <b>100-150 bbls frac water &amp; oil</b> w/20 bbls fluid recovered. Source of release listed as <b>faulty BOP</b> . Cause listed as blind rams in BOP failed to completely close at end of daily ops. Well flowed back overnight causing release. Area affected listed as several hundred feet to the southwest of location. Approx 1500 cu yds of impacted material removed. Environmental contractor retained to pull samples. Sampling report included with C-141 submittal. 2RP-778
[229137] COG OPERATING LLC	3/27/2011	Produced Water	2940	Equipment Failure	Valve	Eddy	C-141 rec'd reporting <b>release of 70 bbls produced fluids</b> w/0 recovered due to a <b>valve malfunction off of the frac tank</b> . Area affected around the location heading south 200' and then to the east 150'.
[6137] DEVON ENERGY PRODUCTION COMPANY, LP	3/31/2011	Produced Water	420	Human Error	Other (Specify)	Eddy	C-141 rec'd 4/5/11 reporting <b>release of 10 bbls PW</b> w/ 0 recovered due to <b>flowback hand falling asleep</b> . Area affected was a caliche road.
[6137] DEVON ENERGY PRODUCTION COMPANY, LP	5/4/2011	Produced Water	126			Eddy	C-141 rec'd 5/10/11 reporting release on 5/4/11. Reported <b>23 bbls oil and 3 bbls PW released</b> w/20 bbls oil and 2 bbls PW recovered. Fluids released were "flowback" from a frac job. Cause listed as <b>flowback hand fell asleep allowing tank to overflow</b> . Affected area listed as approx 100 yds x 25 yds. 2RP-779
[274841] ALAMO PERMIAN RESOURCES, LLC	5/9/2011	Produced Water	420	Human Error	Frac Tank	Eddy	2RP-928 C-141 rec'd 10/14/11 for release discovered on 5/9/11. Unknown at time of data entry why C-141 submitted so late. Reported 10 bbls PW released w/no fluid recovered. Source listed as 500 bbl frac tank. Cause listed as " Release of produced water from frac tank". Remedial Action taken listed as " Clean up per Tetra Tech's environmental assessment and agreement with current BLM procedures and regulations; To prevent future discharges, frac tank was removed-all fluids are being produced to a berm contained tank battery".
[155615] NADEL AND GUSSMAN PERMIAN, LLC	5/11/2011	Chemical (Specify)	8400	Equipment Failure	Frac Tank	Eddy	2RP-825 C-141 rec'd 6/20/11 for release on 5/11/11. Reported 200 bbls acid (frac fluid) w/no fluid recovered. Source listed as frac tank. Cause listed as coupling connected to drain valve failed. Area affected was caliche pad.
	6/9/2011	Other (Specify)	12600	Human Error	Frac Tank	Chaves	2RP-812 C-141 rec'd 6/15/11 for release on 6/9/11. Reported <b>300 bbls Acid/water mix released</b> w/220 bbls recovered. Cause listed as <b>cross-threaded end cap on tank</b> caused fluid to leak out. Area affected listed as 135'x81' on location and 135'x20' behind tanks.
[255333] LIME ROCK RESOURCES A, L.P.	6/10/2011	Acid	3990	Equipment Failure	Frac Tank	Eddy	2RP-829 C-141 rec'd 6/20/11 for release on 6/10/11. Reported <b>95 bbls hydrochloric acid (diluted/mix for frac) released</b> w/50 bbls recovered. Source listed as frac tanks. Cause and remedial action taken listed as <b>frac tanks containing hydrochloric acid discovered leaking</b> . Containment berm constructed and tanks were emptied. Affected area treated w/soda ash. PH test run w/results showing PH leve of 6.5. Affected area listed as flow path across location and area where frac tanks were located. Area was 92' wide near frac tanks. Area across location was 6' - 20' wide x 152' long. Impacted area was bladed and treated w/soda ash.
[14187] MARSHALL & WINSTON INC	6/19/2011	Other (Specify)	168	Equipment Failure	Frac Tank	Eddy	2RP-956 C-141 rec'd 11/15/11 for release on 6/19/11. Release reporting was not required - operator wants it documented. Reported 4 bbls fresh water w/15% hydrochloric acid (for frac ops) released. Saturated material excavated immediately and soda ash applied to neutralize. C-141 approved as initial and final.
[873] APACHE CORP	6/30/2011	Produced Water	294	Equipment Failure		Eddy	2RP-862 C-141 rec'd 8/11/11 for release on 6/30/11. (27 days late) Reported 7 bbls PW released w/no fluid recovered. Source listed as "flowback". Cause listed as " While running in the hole with 2 7/8 tubing and packerto locate a possible casing leak, the well was flowing back. Wellhead containment was in place wind got up and was blowing the produced water across location. During the night the hydraulic BOP lost some pressure on rams and some water leaked around the wellhead. BOP was fixed. Area affected listed as " The well is continued to be pulled, therefore remediation has not taken place yet. Once the pulling unit moves off, the location will be remediated to meet NMOCD standards for remediation."
[3080] BURNETT OIL CO INC	7/5/2011	Produced Water	8400	Corrosion		Eddy	2RP-803 C-141 rec'd 7/11/11 reporting release discovered on 7/5/11. Reported <b>estimated 200 bbls PW released</b> w/30 bbls recovered. Source and cause listed as <b>hole in casing allowing flow up backside</b> . Emergency pit constructed and frac tank set to catch fluids. Affected area is location pad and pasture area south and west of pad.
[274841] ALAMO PERMIAN RESOURCES, LLC	8/16/2011	Produced Water	630	Human Error	Production Tank	Eddy	2RP-879 C-141 rec'd 8/23/11 for release on 8/16/11. Reported <b>5 bbls oil &amp; 15 bbls PW released</b> w/no fluid recovered. Source listed as 500 bbl frac tank. <b>Cause listed as "TBD"</b> . Area affected listed as "TBD"
	10/3/2011	Drilling Mud/Fluid	1890	Corrosion	Frac Tank	Lea	Initial C-141 1RP-11-11-2755 - The <b>connection on a frac tank leaked</b> . The leak was immediately isolated and the connection was replaced. A vacuum truck was brought to the site and 30 barrels of standing fluids were recovered. Most of the release was potassium chloride (about 70%). Talon/LPE was contacted to do a soil analysis; a sample was immediately taken to Cardinal Laboratories. The area affected was from the frac tank, across the location and flowed off the location pooling next to the lease road. The flow path area measured approximately 321 X 12'. Talon/LPE has been contracted to construct a work plan for the correction of the release.
[5380] XTO ENERGY, INC	11/10/2011	Produced Water	1680	Equipment Failure	Tank ( Any)	San Juan	Frac tank used to store produced water after fracing activities <b>leak ~40 bbls of water</b> inside bermed area. All fluids remained within bermed area, sample results were below regulatory standards for location. Final report received.
[873] APACHE CORP	11/17/2011	Produced Water	1260	Normal Operations		Eddy	2RP-1130 C-141 rec'd 4/30/12 for release on 11/17/11. - LATE SUBMITTAL - Reported 30 bbls PW released w/no fluid recovered. Source listed as " Workover/flowback" Cause listed as " <b>While doing a workover procedure to fish out stuck rods and tubing the well flowed back.</b> " Area Affected: " Contamination will be excavated and will meet the NMOCD Guidelines to closure."