

# HISTORY OF OIL OR GAS WELL

Operator. Southern California Gas Company  
Well Porter 42 B  
A P I No 03721877

Field: Aliso Canyon County. Los Angeles  
Surface Location. Sec 28 3N 16W S.B.B M.  
Title: Senior Storage Field

Todd Van de Putte

(President, Secretary, or Agent)

Date: 2/17/2015

Signature 

(Person Submitting Report)

Address PO Box 2300, SC9365, Chatsworth, CA, 91313-2300

Telephone Number. 818-701-3339

History must be complete in all detail Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Start Date	Ops. DOGGR Rpt
6/23/2014	Opened the well with 2024 psig surface pressure on the tubing and the casing. Rigged up and pumped 50 bbl of Hi-vis HEC polymer and displaced with 65 bbls of 8.5 ppg KCl brine. Killed the well per schedule with 350 bbl of 8.5 ppg KCl brine. The well had no surface pressure on the tubing and the casing. Installed the BPV and nipples down the production tree. Rigged up the Class III 5M BOPE and secured the well.
6/24/2014	Opened the well with 50 psig on the casing and 0 psig on the tubing. Rigged up the 3" choke line and function tested the Class III 5M BOPE. Rigged up the WEA test truck and pressure tested the blind rams to 300 psig (low) and 5000 psig (high) for twenty minutes (test good). Pressure tested the pipe rams to 300 psig (low) and 5000 psig (high) for twenty minutes (test good). Pressure tested the Hydril annular preventer to 300 psig (low) and 3600 psig (high) for twenty minutes (test good). Tested all the control valves and the choke manifold to 300 psig (low) and 5000 psig (high) for twenty minutes (test good). Rigged up the working floor and the tubing equipment. Backed out the hold down studs and pumped 50 bbl of 8.6 ppg KCl brine down the tubing and the casing. Unlanded the completion tubing at 68,000lb and attempted to release the production packer. Attempted to release from the On/Off tool and secured the well.
6/25/2014	Opened the well with 0 psig surface pressure on the tubing and 50 psig surface pressure on the casing. Moved in and rigged up the Tiger wireline unit and made up a 3-1/2" Plasma cutter on the wireline. Ran in the well, correlated and cut the 3-1/2" completion tubing at 7315'. Rigged down and moved out the Tiger wireline unit. Pulled out of the well and laid down the 3-1/2" completion tubing to a kill string at 2300' and secured the well.
6/26/2014	Filled the well with 30 bbl of 8.5 ppg KCl brine. Pulled out of the well, laid down the 3-1/2" completion tubing, the GLMA, the sliding sleeve and the cut off 3-1/2" tubing. Changed the pipe rams from 3-1/2" to 2-7/8". Measured and picked up one joint 2-3/8" wash pipe with shoe. Measured and picked up 2-7/8", 6.5# P-110 workstring tubing to 5000' and secured the well.
6/27/2014	Measured and picked up the 2-7/8" workstring tubing to 7306' and tagged. Rigged up and pumped 8.5 ppg KCl brine at 4.5 bpm and attempted to work through. Pulled out of the well to 6500'. The rig was down for repairs (Lost power) and secured the well.
6/30/2014	Opened the well with 0 psig surface pressure and pumped 50 bbl of 8.5 KCl brine down the casing. Pulled out of the well to 1864' (took gas kick with 700 psig surface pressure on the casing). Rigged up and bled down the casing pressure and pumped 50 bbl of 8.5 ppg KCl brine down the tubing and the casing. Circulated out the gas cut brine and shut in the well with 250 psig on the casing, 350 psig on the tubing and secured the well.
7/1/2014	Opened the well with 0 psig surface pressure on the tubing and 250 psig on the casing. Pumped 20 bbl of KCl brine down the tubing and bled off the casing. Opened the BOPE and filled the well with 38 bbl of KCl brine. Ran in the well to 6000' and circulated the well with 350 bbl of KCl brine. Pulled out of the well and laid down the wash pipe. Made up an 8-5/8" casing scraper and a bumper sub on the 2-7/8" workstring. Ran in the well to 5800' and secured the well.
7/2/2014	Opened the well with 0 psig surface pressure on the tubing and the casing. Filled the well with 42 bbl of KCl brine. Ran in the well with the 8-5/8" casing scraper to 7306', rigged up and reverse circulated with 100 bbl of KCl brine. Pulled out of the well and laid down the casing scraper. Made up a 5-3/4" over shot and bumper sub with 2.875" grapple on the 2-7/8" workstring. Ran in the well to 7306', worked over the fish and attempted to release from the on/off tool. Released from the fish, pulled to 7200' and secured the well.
7/3/2014	Filled the well with 42 bbl of 8.5 ppg KCl brine. Ran in the well, engaged the fish and attempted to release from the on/off tool. Attempted to release the packer. Released from the fish, pulled out of the well and laid down the overshot. Made up the 7-3/8" wash pipe and crossovers on the 2-7/8" workstring, ran in the well to 6100' and secured the well.
7/7/2014	Filled the well with 50 bbl of KCl brine. Nipped up PGSR and ran in the well with the 7-3/8" wash pipe to 7308'. Rigged up the power swivel, cleaned out to the top of the packer at 7344' and circulated the well clean. Pulled to 7300', then ran in to 7344' and laid down the power swivel. Pulled out of the well and laid down the 7-3/8" wash pipe. Made up a 5-3/4" over shot with 3.5" grapple, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring. Ran in the well to 3100' and secured the well.
7/8/2014	Filled the well with 50 bbl of KCl brine. Ran in the well to 7306', engaged the fish, attempted to release the WEA packer at 7340', jarred once at 100,000lb and came free. Pulled out of the well and stood back BHA/tools (recovered a 15' cut off and the top half of the on/off tool). Made up a 5-3/4" overshot with 3.75" grapple, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring. Ran in the well to 7000' and secured the well.

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Todd Van de Putte

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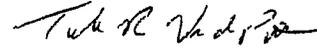
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Start Date	Ops. DOGGR Rpt
7/9/2014	The well required 50 bbl of KCl brine to fill. Ran in the well, engaged the fish and worked the packer free Pulled out of the well and laid down the fish (recovered the bottom half of the on/off tool, the WEA packer and the no/go nipple). Laid down the fishing tools and made up an 8-5/8" casing scraper and a bumper sub on the 2-7/8" workstring. Ran in the well to the top of the liner at 7400', pulled out of the well to a kill string at 2900' and secured the well
7/10/2014	Filled the well with 50 bbl of 8.5 ppg KCl brine Pulled out of the well with the kill string and laid down the 8-5/8" scraper and the bumper sub Made up an 8-5/8" WEA retrieveable bridge plug on the 2-7/8" workstring and ran in the well to 7380' Set and released from the bridge plug Pressure tested the bridge plug to 500 psig surface pressure for ten minutes (test good) Dumped 5 cuft of sand (top of the sand at 7365') Pulled out of the well to a kill string at 2557' and secured the well
7/11/2014	The well was standing full of 8.5 ppg KCl brine Pulled out of the well with the kill string and nipped up the shooting flange. Moved in and rigged up the Schlumberger wireline unit and made up the USIT/CBL combo tools Ran in well to 7365' and started log (Tools failed) Pulled out of the well with the USIT tool, rigged down and moved out the Schlumberger wireline unit. Ran in the well to 2400' with the 2-7/8" kill string and secured the well
7/14/2014	The well was standing full of 8.5 ppg KCl brine Pulled out of the well with the 2-7/8" kill string and nipped up the shooting flange. Moved in and rigged up the Schlumberger wireline unit and made up the 8-5/8" USIT/CBL combo tools on wireline Ran in the well to 7365' and logged to the surface. Rigged down and moved out the Schlumberger wireline unit Made up an 8-5/8" test packer on the 2-7/8" workstring, ran in the well to 2943' and secured the well
7/15/2014	The well was standing full of KCl brine Ran in the well with the 8-5/8" test packer to 6800' and set the test packer Pressure tested below the test packer to 750 psig surface pressure (bled down to 300 psig in 20 minutes) Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig for 20 minutes (test good) Ran in the well and tagged the sand, picked up 5' and set the test packer at 7364' Pressure tested below to 750 psig surface pressure for 20 minutes (test good) Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig surface pressure for 20 minutes (bled down 100 psig in 20 minutes) Released the test packer and pulled to 7330', set the test packer, and pressure tested below to 700 psig surface pressure for 20 minutes (test good) Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig (bled down 100 psig in 20 minutes). Pulled to 7275', set the test packer and tested below the packer to 700 psig surface pressure for 20 minutes (test good) Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig (bled down 100 psig in twenty minutes) Released the test packer and pulled to 7244' Set the test packer, tested below the test packer to 700 psig surface pressure for 5 minutes (test good) Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig (bled down 100 psig in 20 minutes) Released the test packer and pulled to 7177' Pressure tested the 2-7/8" x 8-5/8" annulus to 700 psig surface pressure for 20 minutes (test good) Released the test packer and ran in the well to 7210' Set the test packer and tested annulus to 700 psig for 20 minutes (good) Tested below the packer to 700 psig for twenty minutes (Bled down 100 psig in 20 minutes) Released packer ran in the well and set packer at 7227' Tested below packer to 700 psig for 20 minutes (bled down 100 psig in 20 minutes) Tested annulus to 700 psi for 20 minutes (test good) Leak between 7227' and 7244', casing collar at 7242') Released the test packer, pulled to 6000' and secured the well
7/16/2014	Filled the well with 6 bbl of 8.5 ppg KCl brine Set the test packer at 6000' and pressure tested the 2-7/8" x 8-5/8" annulus to 1000 psig surface pressure for 20 minutes (test good) Released the test packer, pulled to 4700', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 1500 psig for 20 minutes (test good) Released the test packer, pulled to 3350', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 2000 psig for 20 minutes (test good) Released the test packer, pulled to 2000', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 2500 psig for 20 minutes (test good). Released the test packer, pulled to 1500', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 2700 psig for 20 minutes (test good). Released the test packer, pulled to 1000', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 2900 psig for 20 minutes (test good). Released the test packer, pulled to 500', set the test packer and pressure tested the 2-7/8" x 8-5/8" annulus to 3000 psig for 20 minutes (test good) All pressure tests good and charted Pulled out of the well and laid down the 8-5/8" test packer Made up the 8-5/8" bridge plug retrieving tool on the 2-7/8" workstring, ran in the well to 2550' and secured the well
7/17/2014	Held safety meeting with the rig crew and worked as directed, labor only
7/18/2014	Filled the well with 6 bbl of 8.5 ppg KCl brine Ran in the well with the bridge plug retrieving tool to the top of the sand at 7364'.

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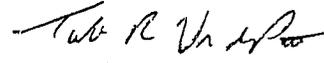
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Start Date	Ops. DOGGR Rpt
7/21/2014	Filled the well with 15 bbl of 8.5 ppg KCl brine. Pulled out of the well and laid down the bridge plug retrieving tool. Moved in and rigged up the Tiger wireline unit. Made up a 4" perforating gun with 4, 1/2" spf. Ran in the well to 7353', correlated, and shot (8) 1/2" holes (39 gram charges). Rigged down and moved out the Tiger wireline unit. Made up (11) joints of tubing tail and a WEA squeeze packer on the 2-7/8" workstring. Ran in the well to 7342' and secured the well.
7/23/2014	Moved in and rigged up the HES cementing equipment. With the tubing tail at 7357', pressure tested the lines to 3000 psig. Pumped 5 bbls of water ahead, mixed and pumped 16 bbl of 14.9 ppg Class "G" cement (50 sacks) and displaced with 40 bbl of 8.5 ppg KCl brine. Pulled to 7000', rigged up and reverse circulated with 50 bbl of KCl brine (Trace of cement to the surface). Set the test packer and down squeezed at 1942 psig with approximately 1 bbl of cement out of the holes. Closed in the well with 1900 psig surface pressure and secured the well.
7/24/2014	Opened the well with 1200 psig surface pressure on the tubing and 500 psig on the casing. Bled down the tubing and the casing pressure. The well was standing full of KCl brine. Released the test packer, ran in the well and tagged the top of the cement at 7165'. Pulled out of the well and laid down the test packer. Made up a 7-3/8" bit, a bit sub, (4) 4-3/4" drill collars on the 2-7/8" workstring. Ran in the well to 7165', nipped up the PGSR and the power swivel. Cleaned out the cement to 7172', circulated the well clean and secured the well.
7/25/2014	Opened the well with 0 psig surface pressure on the tubing and the casing. The well was standing full of KCl brine. Cleaned out the cement from 7172' to 7366' and circulated the well clean. Rigged down power swivel, pulled out of the well to 7000' and secured the well.
7/28/2014	The well was standing full of KCl brine. Pulled out of the well with the bit. Made up an 8-5/8" casing scraper on the 2-7/8" workstring. Ran in the well to 7365', picked up the power swivel and cleaned out cement to 7342'. Circulated the well clean and secured the well.
7/29/2014	The well was standing full of KCl brine. Circulated down to the top of the sand at 7367' and reverse circulated the well clean. Pulled out of the well and laid down the 8-5/8" casing scraper. Made up a WEA 8-5/8" test packer on the 2-7/8" workstring. Ran in the well to 7245', set the test packer and pressure tested below the test packer to 1000 psig for 20 minutes (test good). Rigged up and pressure tested the 2-7/8" x 8-5/8" annulus to 1000 psig for 20 minutes (test good). Released the 8-5/8" test packer, pulled out of the well to 5400' and secured the well.
7/30/2014	The well was standing full of 8.5 ppg KCl brine. Pulled out of the well and laid down the 8-5/8" test packer. Made up the 8-5/8" bridge plug retrieving tool on the 2-7/8" workstring. Ran in the well to 7365', nipped up the PGSR, rigged up and reverse circulated 12' of sand to the top of the bridge plug. Released the 8-5/8" bridge plug and filled well with 20 bbl of 8.5 ppg KCl brine. Pulled out of the well to 5340'. The well flowed back through the tubing and circulated out the gas cut brine. Pulled out of the well to a kill string at 2640' and secured the well.
7/31/2014	Filled the well with 59 bbl of 8.5 ppg KCl brine. Pulled out of the well with a kill string and laid down the 8-5/8" bridge plug. Measured and picked up (18) joints of 2-1/16" Hydrill tubing with a mule shoe on the 2-7/8" workstring. Ran in the well and tagged sand at 7409'. Rigged up the PGSR, cleaned out sand to 7451', circulated the well clean, pulled to 7375' and secured the well.
8/1/2014	The well required 61 bbl of KCl brine to fill. Ran in the well with the 2-1/16" tubing tail to 7451', reverse circulated out the sand to 7768'. Reverse circulated the well clean, pulled out of the well to 7324' and secured the well.
8/4/2014	Filled the well with 84 bbl of 8.5 ppg KCl brine. Ran in the well to 7770', rigged up and reverse circulated sand to 7823' and circulated the well clean. Pulled to 7256', waited two hours, ran in the well to 7823' (no fill). Rigged down the PGSR, pulled out of the well to a kill string at 3112' and secured the well.
8/5/2014	Filled the well with 69 bbl of KCl brine. Pulled out of the well with a kill string. Made up a 5" retrievable bridge plug on the 2-7/8" workstring. Ran in the well to 7500', set the bridge plug and pressure tested the 2-7/8" x casing annulus to 500 psig surface pressure (Bled down 300 psig in 6 minutes). Released the 5" bridge plug and moved up the hole to 7490'. Set the bridge plug and pressure tested to 500 psig (bled down 300 psig in 6 minutes). Dumped two sacks of sand on top of the bridge plug, pulled out of the well to a kill string at 2700' and secured the well.

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Start Date	Ops DOGGR Rpt
8/6/2014	Filled the well with 63 bbl of 8.5 ppg KCl brine Pulled out of the well with the kill string and laid down the 5" bridge plug retrieving tool. Made up a WEA 5" test packer on the 2-7/8" workstring and ran in the well to 7455' Filled the well with 20 bbl of KCl brine Set the test packer and pressure tested below the 5" test packer to 500 psig for 20 minutes (test good) Pressure tested the 2-7/8" x casing annulus to 500 psig (Bled down 300 psig in 3 minutes) Released the 5" test packer, pulled out of the well and laid down the test packer. Made up a seal assembly on the 2-7/8" workstring, ran in the well to a kill string at 2600' and secured the well
8/7/2014	Filled the well with 67 bbl of 8.5 ppg KCl brine Ran in the well with the liner seals to the PBR at 7390', filled the well with 20 bbl of KCl brine and engaged the seal with 10,000 lb compression Pumped down the 2-7/8" tubing at 3 bpm to 500 psig (Bled down to 0 psig immediately) Rigged up and pressure tested the 2-7/8" tubing x casing annulus to 1000 psig with chart recorder (Lost 300 psig in 20 minutes) Unstabbed from the PBR, pulled out of the well and laid down the seal assembly Made up the 5" bridge plug retrieving tool on the 2-7/8" workstring, ran in well to 7365' and secured the well
8/8/2014	The well required 68 bbl of 8.5 ppg KCl brine to fill Ran in the well to 7473', rigged up PGSR and reverse circulated the sand from the top of the bridge plug Released the 5" bridge plug, pulled out of the well and laid down the 5" bridge plug Ran in the well with a kill string to 2600' and secured the well
8/11/2014	Filled the well with 73 bbl of KCl brine Pulled out of the well with the kill string and rigged up the shooting flange Moved in and rigged up the Schlumberger wireline unit with a full lubricator Made up the CCI/gravel density tool on wireline and ran in the well to 7823'. Ran log from 7823' to 7587' and pulled out of the well and laid down the logging tools Rigged down and moved out the Schlumberger wireline unit Made up a 3-3/8" casing cutter and a stabilizer on the 2-7/8" workstring, ran in the well to 7370' and secured the well
8/12/2014	Filled the well with 50 bbl of 8.5 ppg KCl brine Rigged up the PGSR, ran in the well to 7457' and rigged up the power swivel Attempted to cut the 5" liner at 7457' (no torque on cutter) Laid down the power swivel Pulled out of the well and laid down the casing cutter Ran in the well with a kill string to 2600' and secured the well
8/13/2014	The well required 71 bbl of KCl brine to fill Pulled out of the well with the kill string. Made up a 3-5/8" casing cutter with a stabilizer on the 2-7/8" workstring. Ran in the well to the 5" liner top at 7390' (Could not enter the liner due to cutter blades opening) Pulled out of the well laid down the casing cutter Ran in the well with a kill string to 2600' and secured the well
8/14/2014	Filled the well with 64 bbl of 8.5 ppg KCl brine Pulled out of the well with the kill string Rigged up a shooting flange and moved in and rigged up the Tiger wireline unit with full lubricator Made up a 3-5/8" plasma cutter on wireline. Ran in the well to 7460', correlated and cut the 5" liner at 7460' Rigged down and moved out the Tiger wireline unit and rigged down the shooting flange. Made up a casing spear with 4 8" grapple, 4" drill collar, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring. Ran in the well to 7390', engaged 5" liner top and jarred free Moved up the hole 200' with the cut liner and jarred on the liner at 150,000lb and secured the well
8/15/2014	Filled the well with 67 bbl of 8.5 ppg KCl brine Jarred on the liner/fish at 150,000lb and the intensifier quit working Released from the fish and pulled out of the well Replaced fishing jars and the intensifier and ran in the well to top of fish at 7180'. Engaged liner/fish and jarred the on fish at 120,000lb and secured the well
8/18/2014	Filled the well with 75 bbl of KCl brine Continued to jar on the fish at 140,000 lb and jarred free (did not pick up weight) Pulled out of the well, took a gas kick and circulated out the gas cut brine Pulled out of the well and laid down the fishing tools (Found the bumper sub parted). Ran in the well with a kill string to 2600' and secured the well
8/19/2014	The well required 62 bbl of KCl brine to fill Pulled out of the well with the kill string Made up an over shot with a 4-3/4" grapple, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring Ran in the well to the top of the fish/cut liner top at 7178', engaged the fish and attempted to release the casing spear. Pulled out of the well and laid down the fishing tools (no recovery; broken grapple) Ran in the well with a kill string to 2600' and secured the well
8/20/2014	Filled the well with 67 bbl of 8.5 ppg KCl brine Pulled out of the well with the kill string Made up a new overshot with 4-3/4" left handed grapple, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring Ran in the well to the top of the fish at 7180', engaged the fish, attempted to release from the spear and overshot and secured the well

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8/21/2014	Filled the well with 47 bbl of KCl brine. Moved in and rigged up the Tiger wireline unit. Made up a 1" string shot on wireline. Ran in the well to to 7180', correlated and shot across the spear from 7180' to 7174' with 8 rounds of torque in the 2-7/8" workstring tubing. Pulled out of the well with the wireline. Attempted to release the spear. Made up a 1" sting shot on wireline. Ran in the well to 7173' correlated and attempted to back off at the bumper sub with 6 rounds of left hand torque in the 2-7/8" workstring tubing. The tubing backed off with 38,000 lb string weight. Screwed back into the 2-7/8" workstring tubing and torqued up. Pulled out of the well with the wireline. Rigged down and moved out the Tiger wireline unit (spear released). Pulled out of the well to a kill string at 5687' and secured the well.
8/22/2014	Filled the well with 50 bbl of KCl brine. Pulled out of the well (recovered the bumper sub and the spear) and laid down the fishing tools. Made up a spear, a bumper sub, a set of drilling jars (up/down jars), (4) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring. Ran in the well to the top of the fish at 7180', engaged the fish, jarred on the fish/the cut liner at 140,000 lb with no movement and secured the well.
8/25/2014	Filled the well with 48 bbl of 8.5 ppg of KCl brine. Jarred on the fish with no movement (up or down) released the spear, pulled out of the well and laid down the fishing tools. Made up a 7-5/8" shoe, a junk basket, a set of jars, (4) 4-3/4" drill collars on the 2-7/8" workstring. Ran in the well to 6100' and secured the well.
8/26/2014	Filled the well with 54 bbl of 8.5 ppg of KCl brine. Ran in the well to 7168', rigged up the PGSR and picked up the power swivel. Milled the liner top from 7168' to 7171' and stopped making hole. Laid down the power swivel and rigged down the PGSR. Pulled out of the well to 7100' and secured the well.
8/27/2014	The well required 45 bbl of 8.5 ppg KCl brine to fill. Pulled out of the well, stood back the fishing tools and replaced the 7-5/8" mill shoe. Picked up the new set of tools and ran in the well with the new mill shoe to the top of the fish at 7168'. Rigged up the PGSR, picked up the power swivel and started milling on the liner top (power swivel down for repairs) and secured the well.
8/28/2014	Filled the well with 45 bbl of KCl brine. Picked up the power swivel and reverse circulated above the fish at 7168', milled down to 7178' (milling on slips), circulated the well clean, and secured the well.
8/29/2014	Filled the well with 45 bbl of 8.5 ppg KCl brine. Worked over the fish and started milling on the fish and moving down the hole to 7188'. Laid down the power swivel and rigged down the PGSR. Pulled out of the well to 4500' and secured the well.
9/2/2014	Opened the well with 60 psig surface pressure on the tubing and the casing. Filled the well with 44 bbl of KCl brine. Circulated the gas cut brine from the well. Pulled out of the well and laid down the mill shoe and the boot baskets. Made up a spear, a bumper sub, a set of jars, (2) 4-3/4" drill collars and an intensifier on the 2-7/8" workstring. Ran in the well to the top of the fish at 7162' and secured the well.
9/4/2014	Opened the well with 0 psig surface pressure on the tubing and the casing. Filled the well with 45 bbl of 8.5 ppg KCl brine. Ran in the well to 7405' and engaged the fish (dragging up the hole). Pulled up the hole and worked through a tight spot at 4438'. Pulled out of well with no recovery. Redress the spear and made up the fishing tools on the 2-7/8" workstring. Ran in the well to 5515' and secured the well.
9/5/2014	Filled the well with 44 bbl of 8.5 ppg KCl brine. Pulled out of the well and laid down the fishing tools and the fish (recovered 26'; cut off 5" blank liner and liner top and the gravel pack assembly). Made up an 8-5/8" casing scraper and a bumper sub on the 2-7/8" workstring. Ran in the well to 7314' and secured the well.
9/8/2014	Opened the well with 150 psig surface pressure on the tubing and the casing. Bled down the well and filled the well with 56 bbl of KCl brine. Ran in the well and tagged the 5" liner stub at 7456' with the 8-5/8" casing scraper. Pulled out of the well and laid down the 8-5/8" casing scraper. Made up a WEA bridge plug on the 2-7/8" workstring. Ran in the well to 7441', set and released from the bridge plug. Pressure tested the 2-7/8" workstring x casin annulus to 500 psig for 10 minutes (test good). Dumped 3 cuft of sand (top of sand at 7432'). Pulled out of the well and laid down the bridge plug retrieving tool. Made up a WEA test packer on the 2-7/8" workstring. Ran in the well to 4300' and secured the well.

# HISTORY OF OIL OR GAS WELL

Operator: Southern California Gas Company  
 Well: Porter 42 B  
 A P I. No 03721877

Field: Aliso Canyon  
 Surface Location Sec 28 3N 16W S.B.B.M.  
 Todd Van de Putte Title: Senior Storage Field...

County Los Angeles

(President, Secretary, or Agent)

Date 2/17/2015

Signature   
 (Person Submitting Report)

Address: PO Box 2300, SC9365, Chatsworth, CA, 91313-2300

Telephone Number: 818-701-3339

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Start Date	Ops DOGGR Rpt
9/9/2014	Filled the well with 68 bbl of 8.5 ppg KCl brine. Ran in the well to 7366', set the test packer and pressure tested the 2-7/8" x casing annulus to 500 psig for 5 minutes. Pressure tested below the test packer at 7432' to 500 psig for 10 minutes. Released the test packer and pulled to 7240', set the test packer and pressure tested the 2-7/8" x casing annulus to 500 psig for 10 minutes. Pressure tested below the test packer from 7240' to 7432' at 750 psig for 20 minutes and charted the test (All tests good). Released the test packer, pulled out of the well and laid down the test packer. Made up the bridge plug retrieving tool on the 2-7/8" workstring. Ran in the well to a kill string at 2430' and secured the well.
9/10/2014	The well was standing full of KCl brine. Ran in the well to 7432', rigged up the PGSR and rigged up and reverse circulated the sand out of the well. Engaged the retrieveable bridge plug and equalized the pressure. Released the bridge plug and filled the well with 45 bbl of KCl brine. Pulled out of the well and laid down the bridge plug. Made up the sizing mill assembly on the 2-7/8" workstring. Ran in the well to a kill string at 3800' and secured the well.
9/11/2014	Filled the well with 34 bbl of 8.5 ppg KCl brine. Ran in the well with the milling assembly to the top of the fish at 7440'. Nipped up the PGSR, picked up the power swivel and dressed the top of the 5" liner. Laid down the power swivel and rigged down the PGSR. Pulled out of the well to a kill string at 2800' and secured the well.
9/12/2014	Filled the well with 44 bbl of KCl brine. Pulled out of the well and laid down the tools (found the mill shoe split and missing pieces). Ran in the well with a kill string to 2500' and secured the well.
9/15/2014	Opened the well with 75 psig surface pressure on the tubing and the casing. Filled the well with 49 bbl of KCl brine. Pulled out of the well with the kill string. Made up a 7-3/8" skirted mill with 6 1/2" concave mill with junk baskets, (4) 4-3/4" drill collars on the 2-7/8" workstring. Ran in the well to 1500' and well the flowed up the tubing. Circulated the gas cut brine from the well. Ran in the well to 7450', picked up the power swivel and milled from 7450' to 7452', circulated the well clean and secured the well.
9/16/2014	Filled the well with 47 bbl of 8.5 ppg KCl brine. Milled the 5" liner top from 7452' to 7453' and circulated the well clean. Pulled out of the well and laid down the milling assembly. Made up a 6-3/8" sizing mill, (4) 4-3/4" drill collars on the 2-7/8" workstring. Ran in the well to the top of the 5" liner, worked over the liner top and cleaned outside of the liner to 5'. Laid down the power swivel, pulled out up the hole to 5600' and secured the well.
9/17/2014	The well required 45 bbl of KCl brine to fill. Pulled out of the well with the kill string. Wrong lifting plug for the liner and shut down for the proper equipment. Ran in the well to 2600' and secured the well.
9/18/2014	Filled the well with 56 bbl of KCl brine. Pulled out of the well with the kill string. Rigged up the casing tongs and the casing equipment. Made up 5' casing bowl over shot, 5" LT&C x Hydril 513 crossover, (4) joints of 5" Hydril blank liner, 5" Hydril x LT&C crossover, 8-5/8" x 5" WEA liner hanger/packer on the 2-7/8" workstring. Rigged down and moved out the casing tongs and equipment. Ran in the well to the top of the 5" liner stub at 7454'. Worked over the liner stub, dropped the ball, set the hanger/packer with 1700 psig (top of liner at 7221'). Released from the hanger, pulled out of the well to 4200' and secured the well.
9/19/2014	Filled the well with 48 bbl of KCl brine. Pulled out of the well and laid down the liner running tools. Made up a 5" casing scraper and a bumper sub on the 2-7/8" workstring. Ran in the well to 7454' and tagged. Worked through a tight spot, pulled 6 klb over string weight pulling back through. Pulled to 7200' and secured the well.
9/22/2014	Filled the well with 48 bbl of KCl brine. Pulled out of the well and laid down the casing scraper. Made up a 4-1/8" string mill and (21) joints of 2-1/16" tubing tail on the 2-7/8" workstring. Ran in the well to the tight spot at 7454', picked up a power swivel, cleaned out the tight spot and laid down the power swivel. Ran in the well and tagged at 7800'. Pulled out of the well to 5200' and secured the well.
9/23/2014	The well required 43 bbl of 8.5 ppg KCl brine to fill. Pulled out of the well and laid down the milling assembly. Made up a 5" WEA retrieveable bridge plug on the 2-7/8" workstring. Ran in the well to 7519', set the 5" bridge plug, and filled the well with 10 bbl of KCl brine. Pressure tested the 2-7/8" x casing annulus to 500 psig (bled down 200 psig in 3 minutes). Bled down and dumped 1 cuft of sand. Pulled out of the well to a kill string at 3000' and secured the well.

# HISTORY OF OIL OR GAS WELL

Operator Southern California Gas Company  
Well: Porter 42 B  
A.P.I. No 03721877

Field: Aliso Canyon County: Los Angeles  
Surface Location: Sec 28 3N 16W S.B.B.M  
Title Senior Storage Field .

Todd Van de Putte

(President, Secretary, or Agent)

Date: 2/17/2015

Signature: 

(Person Submitting Report)

Address: PO Box 2300, SC9365, Chatsworth, CA, 91313-2300

Telephone Number: 818-701-3339

History must be complete in all detail Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data

Start Date	Ops DOGGR Rpt
9/24/2014	Rig down for 3 hours for repairs Filled the well with 41 bbl of KCl brine. Pulled out of the well with a kill string and laid down the bridge plug retrieving tool Made up a WEA 5" test packer on the 2-7/8" workstring Ran in the well to 7481', filled the well with 10 bbl of KCl brine, set the test packer, pressure tested from 7418' to the bridge plug at 7510' to 500 psig for 10 minutes (test good) Released the test packer and pulled to 7418', set the test packer and pressure tested from 7418' to 7510' to 500 psig (No test, bleed to 0 psig) Rigged up and pressure tested the 2-7/8" x casing annulus to 500 psig for 20 minutes (test good) Released the test packer, pulled to 7100' and secured the well
9/25/2014	Filled the well with 40 bbl of KCl brine Pulled out of the well and laid down the 5" WEA test packer Made up a bridge plug retrieving tool on the 2-7/8" workstring Ran in the well to 7497', reverse circulated the sand from the top of the bridge plug and released the bridge plug Pulled out of the well to 4600' and secured the well
9/26/2014	Filled the well with 42 bbl of KCl brine. Pulled out of the well and laid down the 5" bridge plug. Made up a 45 degree collar, ( 21 ) joints of 2-1/16" CS hydril tubing on the 2-7/8" workstring Ran in the well to 7795, rigged up and reverse circulated to 7800' Pulled to 7123' and secured the well
9/29/2014	Opened the well with 50 psig surface pressure on the tubing and the casing Filled the well with 43 bbl of 8.5 ppg KCl brine Pulled out of the well to 5000' with the well flowing and circulated the gas cut brine from the well Pulled out of the well and laid down the 2-7/8" workstring and laid down the (21) joints of the 2-1/16" tubing Ran in the well to a kill string at 2800' and secured the well
9/30/2014	Filled the well with 29 bbl of KCl brine Pulled out of the well and laid down the 2-7/8" workstring and laid down (4) 4-3/4" drill collars Changed the pipe rams from 2-7/8" to 3-1/2" Measured and picked an WEA 8-5/8" AS1X production packer, a 6' 3-1/2" pup jt, (1) jt of 3-1/2", 9.3# L-80 tubing, a WEA No/Go nipple, (1) jt of 3-1/2", 9.3# L-80 tubing, a WEA sliding sleeve, (1) jt of 3-1/2", 9.3# L-80 tubing, and a gas lift mandrel Measured and picked up the 3-1/2", 9.3#, L-80 completion tubing to 4210' and secured the well
10/1/2014	Filled the well with 28 bbl of 8.5 ppg KCl brine. Swapped the tubing trailers, measured and picked up the 3-1/2", 9.3# L-80 tubing to 7182' Spaced out the completion string and landed the 3-1/2" tubing in the tubing hanger with 14,000 lb compression Filled the tubing x casing annulus and pressure tested to 500 psig surface pressure for 20 minutes (test good) Rigged down the working floor, rigged down the rig and associated equipment and secured the well
10/2/2014	Opened the well with 0 psig surface pressure on the tubing Installed the back pressure plug in the tubing hanger and nipped down the Class III 5M BOPE Rigged up the production tree and secured the well. Loaded rig the Ensign #321 equipment and rigged down the hoist for move to P-50C
10/17/2014	Opened the well 0 psig surface pressure on the tubing and the casing Wellhead seals will not pressure test. Installed the BPV and removed the production tree Checked the tubing hanger neck seal and re-torqued the hold down studs Nipped up the production tree and attempted to pressure test tubing hanger seals (Tubing hanger leaking) and secured the well
12/9/2014	Moved in and rigged up the Rival Rig #12 hoist Opened the well with 0 psig surface pressure on the tubing and the casing The well standing full of KCl brine Nipped down the production tree Unlanded the tubing hanger at 61,000 lb Redressed the tubing hanger and replaced neck seals with rope packing and nipped up the production tree Rigged up and pressure tested the production tree to 300 psig (low) and 3000 psig (high) (No pressure test; broke down at 3000 psig and bled to 0 psig). Nipped down the production tree and found the neck seal cut Replaced the tubing hanger seal, nipped up the production tree and attempted to pressure test (No test) Nipped the down production tree, unlanded the tubing hanger and redressed the tubing hanger with teflon packing and relanded the tubing hanger. Nipped up the production tree, rigged up and pressure tested the production tree to 300 psig (low) and 4000 psig (high) for 20 minutes (Test good) Removed the BPV, rigged down the Rival Rig #12 hoist and secured the well