



State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested in a permitted or pending injection well. Send original plus one copy.

1. Duration of the pressure test must be a minimum of 15 minutes.
2. A pressure chart must accompany this report if this test was not witnessed by a OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. For injection wells, test pressures must be at 300 psig or minimum injection pressure, whichever is greater.
5. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
6. Do not use this form if submitting under provisions of Rule 320, n. (1) B. or C.
7. OGCC notification must be provided prior to the test.
8. Packers or bridge plugs, etc., must be set within 250 feet of the perforated interval to be considered a valid test.

OGCC Operator Number: 69175

Name of Operator: PDC Energy Inc.

Address: 3801 Carson Ave.

City: Evans

State: CO

Zip: 80620

Contact Name and Telephone

Travis Yenne

No: 970-506-9272

Fax: 970-506-9276

API Number: 05-123-23163

Field Name: Warrenburg

Field Number: 90750

Well Name: Wells Ranch

Number: 33-27

Location (QtrQtr, Sec, Twp, Rng, Meridian): NW/SE Sec 27 T6N R63W

Complete the Attachment Checklist

	OGCC	Operator
Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		

☒ SHUT-IN PRODUCTION WELL

☐ INJECTION WELL

Facility No.: _____

Part I Pressure Test

☐ 5-Year UIC Test

☒ Test to Maintain SITA Status

☐ Reset Packer

☐ Verification of Repairs

☐ Tubing/Packer Leak

☐ Casing Leak

☐ Other (Describe) _____

Describe Repairs: _____

NA - Not Applicable	Wellbore Data at Time Test	
Injection/Producing Zone(s) Codell	Perforated Interval: <input type="checkbox"/> NA 6837'-6845'	Open Hole Interval: <input checked="" type="checkbox"/> NA

Casing Test <input type="checkbox"/> NA
Use when perforations or open hole is isolated by bridge plug or cement plug
Bridge Plug or Cement Plug Depth RBP 6802.59' KB

Tubing Casing/Annulus Test <input type="checkbox"/> NA			
Tubing Size: 2 3/8"	Tubing Depth: 6800'	Top Packer Depth:	Multiple Packers? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Test Data					
Test Date 10-9-15	Well Status During Test SI	Date of Last Approved MIT Not Available	Casing Pressure Before Test 0	Initial Tubing Pressure 0	Final Tubing Pressure 0
Starting Casing Test Pressure 539	Casing Pressure - 5 Min. 538	Casing Pressure - 10 Min. 538	Final Casing Test Pressure 538	Pressure Loss or Gain During Test Lost 1 psi	

Test Witnessed by State Representative? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	OGCC Field Representative: _____
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Part II Wellbore Channel Test

Complete only if well is or will be an injection well.

Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

<input type="checkbox"/> Tracer Survey Run Date: _____	<input type="checkbox"/> CBL or Equivalent Run Date: _____	<input type="checkbox"/> Temperature Survey Run Date: _____
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I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Bud Holman

Signed: Bud Holman

Title: _____

Date: 10-9-15

OGCC Approval: _____

Title: _____

Date: _____

Conditions of Approval, if any: _____

Pick Testers
Sterling, CO 80751

Guy Dove
970-520-2769

PDC Energy Bud Holman

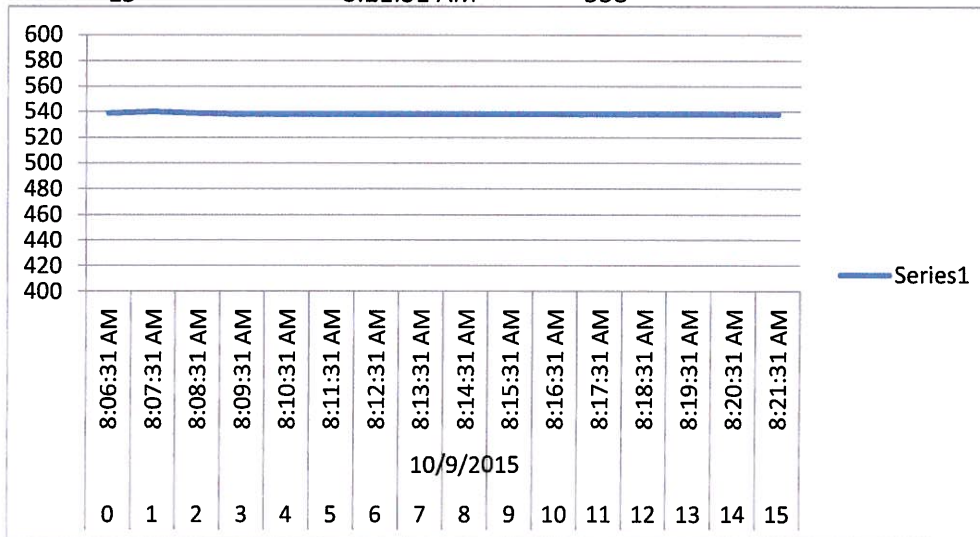
Wells Ranch 33-27 M.I.T.

API# 05-123-23163

NW SE. 27-T6N-R63W

Interval: 60 Seconds
DataPoint LogDate LogTime 1-P PSI

0		8:06:31 AM	539
1		8:07:31 AM	540
2		8:08:31 AM	539
3		8:09:31 AM	538
4		8:10:31 AM	538
5		8:11:31 AM	538
6		8:12:31 AM	538
7		8:13:31 AM	538
8	10/9/2015	8:14:31 AM	538
9		8:15:31 AM	538
10		8:16:31 AM	538
11		8:17:31 AM	538
12		8:18:31 AM	538
13		8:19:31 AM	538
14		8:20:31 AM	538
15		8:21:31 AM	538





Well History

Well Name: Wells Ranch 33-27

API 05123231630000	Surface Legal Location NWSE 27 6N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,820.00	Original KB Elevation (ft) 4,830.00	KB-Ground Distance (ft) 10.00	Spud Date 9/21/2005 00:00	Rig Release Date 9/25/2005 00:00
On Production Date 11/23/2005				

Job

Drilling - original, 9/21/2005 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 9/21/2005	End Date 9/25/2005	Objective Drill a new Codell Well
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Daily Operations

Start Date	Summary	End Date

Initial Completion, 9/25/2005 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 9/25/2005	End Date 10/3/2005	Objective Complete a codell well
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Daily Operations

Start Date	Summary	End Date

Wellbore Integrity, 8/15/2013 10:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 8/15/2013	End Date 8/28/2013	Objective Swap out 3K well head with 5K well head for Noble frac.
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Daily Operations

Start Date	Summary	End Date
8/15/2013	ITP-900, ICP-600, ISCP-0. MIRU Ensign Rig 314. RU pump lines to WH. Open up well and blew down to RT. Controlled the well w/40 bbls of 2% claytreat/biocide water. RD prod. equip.. Stripped off 3K WH and stripped on new 5K WH from Mcjunkin. Casing valves and nipples were also swapped out. RDMOL	8/15/2013
8/28/2013	ITP-0, ICP-110, ISCP-0. MIRU Ensign Rig 314. Rig up pump lines to well head. Opened up well and blew down to rig tank. Controlled the well w/25 bbls. of 2% claytreat/biocide water. Rig down pump lines, and production equipment. Nipple down well head and Nipple up BOP. BOP was function tested before nipple up. Pick up tag jts. and did not tag w/90'. Laid down tag jts.. MIRU Pick Tester. POOH tallying, and testing to 6,000 psi. to the derrick 208 jts.-6,800.63' of 2 3/8" 4.7# J-55 EUE 8rd prd. tbg.. All jts. tested good. Tubing was landed @ 6,824.23' w/208 jts., 2 subs-(10', & 4'), NC/SN-1.6', and 8' adj. KB. PU 3 7/8" blade bit, casing scraper for 4 1/2" 10.5# casing, cross over from STS. TIH w/208 jts., EOT @ 6,807' w/208 jts., tools and KB. POOH 207 jts. to the derrick. Laid down 1jt. and tools. PU WLTC RBP for 4 1/2" 10.5# casing. TIH and set RBP @ 6,776.22' w/207 jts.. LD 1 jt. and rig up circulation equipment. Broke circulation and rolled the hole clean of oil and gas. Pressure tested the RBP to 2,000 psi. for 15 min.. Good test. Released pressure. RD circulation equipment and LD 4 jts.. Drop 2 sacks of sand and POOH 5 more jts.. Leaving 11 jts. on the ground and 197 jts. in the well. ND BOP and NU well head. Shut in well. RDMOL	8/28/2013
1/20/2014	No pressures @ the well head. Held safety meeting. MIRU Bayou Rig 008. Function tested BOP. Nipple down 5K well head and nipple up BOP. Pressure tested lines to 2,500 psi.. PU 10 jts. and tagged sand @ 6,766.22' w/207 jts.. RU circulation equipment. Broke circulation and washed down and latched on to RBP @ 6,776.22' w/same jt.. Rolled the hole clean. RD circ. equip. and released the RBP. No pressure. POOH 207 jts. to the derrick and laid down RBP and retrieving head. PU new notch collar and seat nipple from WB Supply. TIH from the derrick w/207 jts. and picked up 3 jts. and did not tag. Laid 2 jts. and landed tubing 12.35' above Codell perms @ 6,824.65' w/208 jts.-6,806.05' and 1-10' sub of 2 3/8" 4.7# J-55 EUE, NC/SN-1.6', and 7' adj. KB.. Nipple down BOP and nipple up top flange of well head. RU sand line, lubricator and pack off to master valve. RIH w/1.901" broach and broached to seat nipple. POOH and RD sand line, lubricator and pack off. RDMOL.	1/20/2014

Mechanical Integrity Test, 10/7/2015 13:30

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 10/7/2015	End Date	Objective Test tbng and casing, perform MIT
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Daily Operations

Start Date	Summary	End Date
10/7/2015	MIRU. ITP: 500 ICP: 500 Surface casing: 0, Blew well down to rig tank. Controlled well with 60 bbls. Function tested BOPs. ND wellhead. NU BOPs. PU 4 jnts of 2-3/8" tbng and RIH without tagging fill. TOOH with 10' x 2-3/8" pup jnt, 208 jnts of 2-3/8" 4.7# J-55 8rd eue tbng, SN/NC. Tbg was landed at 6718.67' kb. Secured well. SDFD	10/7/2015
10/8/2015	TP: blow CP: blow Held safety meeting. MIRU Pick testers. Tested in hole with 3-7/8" blade bit, casing scraper dressed for 4-1/2" 10.5# casing and 208 jnts of 2-3/8" 4.7# J-55 8rd eue tbng to 6000 psi. All tbng tested good. RDMO hydrotester. PU 1 jnt and RIH. EOT at 6802'. Rolled oil and gas out of hole. POOH with tbng, LD bit and scraper. PU WLTC RBP for 4-1/2" 10.5# casing and RIH. Set RBP at 6802.59' with 209 jnts. Rolled hole clean. Tested casing to 700 psi for 15 minutes. Held good. Bled off pressure. Secured well. SDFD	10/8/2015



Well History

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			On Production Date 11/23/2005	

Daily Operations

Start Date	Summary	End Date															
10/9/2015	<p>SCP 0 psi, STP 0 psi, SSCP 0 psi, held safety meeting, open well to ng tank, MIRU Pick Testers, pressured casing to 539 psi, held and charted pressure for 15 mins, 1 psi pressure loss, good test, State Representative was not location to witness test, released pressure, Released RBP, TOOH standing back to derrick, LD tools, PU NC/SN, TIH with production tubing, ND BOP, land tbg in WH 6,822.69' KB (14.33' above the Codell) w/209 jts plus 1-6' sub and 1-10' sub, NU WH, Did not drop new PCS full port standing valve. Broached to seat nipple w/1.901" broach, RU swab equipment.</p> <p>ITP-0 psi ICP-0 psi IFL- 1200' FFL-5100' Swabed back 50 bbls water FTP-0 FCP-0 Secured well, drained lines and pump, racked pump and tank, RDMOL.</p> <p>Tbg detail:</p> <table><tr><td>1-6' x 2 3/8" 4.7# J-55 8rd eue sub</td><td>10' KB</td><td>10.0'</td></tr><tr><td></td><td>6.0'</td><td>16.00'</td></tr><tr><td>1-10' x 2 3/8" 4.7# J-55 8rd eue sub</td><td>10.00'</td><td>26.00'</td></tr><tr><td>209 jnts 2-3/8" 4.7# J-55 8rd eue tbng</td><td>6795.09'</td><td>6821.09'</td></tr><tr><td>Seat Nipple/Notched collar</td><td>1.6'</td><td>6822.69' KB</td></tr></table> <p>Final Report</p>	1-6' x 2 3/8" 4.7# J-55 8rd eue sub	10' KB	10.0'		6.0'	16.00'	1-10' x 2 3/8" 4.7# J-55 8rd eue sub	10.00'	26.00'	209 jnts 2-3/8" 4.7# J-55 8rd eue tbng	6795.09'	6821.09'	Seat Nipple/Notched collar	1.6'	6822.69' KB	10/9/2015
1-6' x 2 3/8" 4.7# J-55 8rd eue sub	10' KB	10.0'															
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209 jnts 2-3/8" 4.7# J-55 8rd eue tbng	6795.09'	6821.09'															
Seat Nipple/Notched collar	1.6'	6822.69' KB															

Recompletion, <dtmstart>

Job Category Completion/Workover	Primary Job Type Recompletion	Start Date	End Date	Objective
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Daily Operations

Start Date	Summary	End Date