

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 to 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 326.a. (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.

Complete the Attachment Checklist

OGCC Operator Number: 69175		Contact Name and Telephone	
Name of Operator: PDC Energy Inc.		Travis Yenne	
Address: 3801 Carson Ave.		No: 970-506-9272	
City: Evans State: CO Zip: 80620		Fax: 970-506-9276	
API Number: 12315269		Field Name: _____	
Well Name: EDITH 1-26		Field Number: _____	
Location (Qtr, Sec, Twp, Rng, Meridian): SWSW 26 6N 66W			

	OGCC	OGCC
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		Casing Test <input type="checkbox"/> NA	
Injection/Producing Zone(s) CODELL		Perforated Interval: <input type="checkbox"/> NA 7184' - 7194'		Use when perforations or open hole is isolated by bridge plug or cement plug Bridge Plug or Cement Plug Depth 7122.65'	
Tubing Casing/Annulus Test <input type="checkbox"/> NA					
Tubing Size: 2 3/8	Tubing Depth: 7115.15	Top Packer Depth: _____	Multiple Packers? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Test Date					
Test Date 8/7/15	Well Status During Test Shut in	Date of Last Approved MIT	Casing Pressure Before Test 0	Initial Tubing Pressure 0	Final Tubing Pressure
Starting Casing Test Pressure 509 psi	Casing Pressure - 5 Min. 516 psi	Casing Pressure - 10 Min. 515 psi	Final Casing Test Pressure 515 psi	Pressure Loss or Gain During Test 6 psi gain	
Test Witnessed by State Representative? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			OGCC Field Representative:		

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.

Tracer Survey Run Date: _____ CBL or Equivalent Run Date: _____ Temperature Survey Run Date: _____

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: ELOY COSSIO

Signed: *[Signature]*

Title: Rig Supervisor

Date: 8/7/15

OGCC Approval: _____ Title: _____ Date: _____

Conditions of Approval, if any:

Pick Testers
Sterling, CO 80751

PDC Energy
 Ensign 354
 MIT

Shawn Fiscus
970-520-5697

Bernie
 Irving 1-26

Interval:

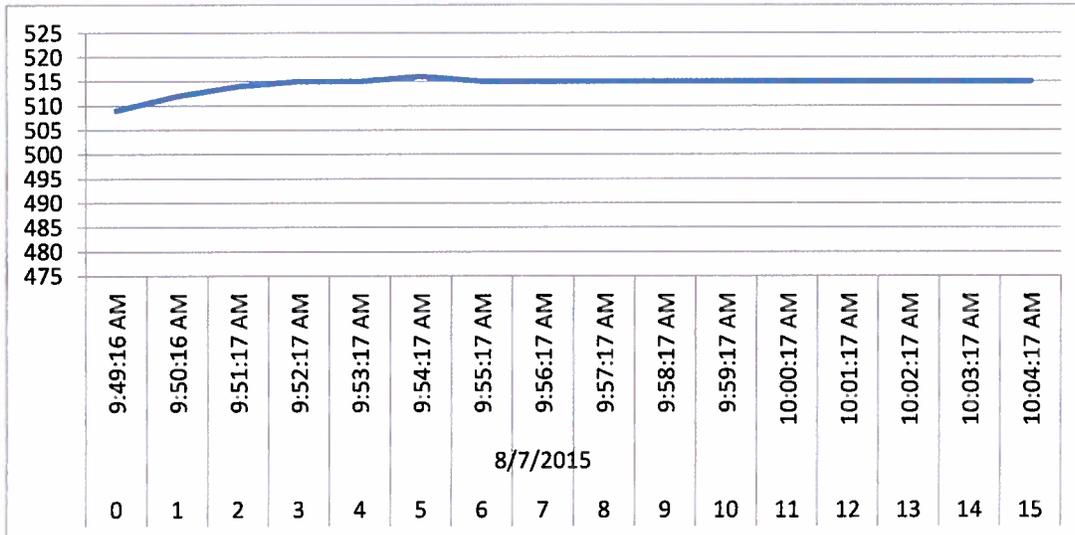
60 Seconds

DataPoint LogDate

LogTime

2-P PSI

DataPoint	LogDate	LogTime	2-P PSI
0		9:49:16 AM	509
1		9:50:16 AM	512
2		9:51:17 AM	514
3		9:52:17 AM	515
4		9:53:17 AM	515
5		9:54:17 AM	516
6		9:55:17 AM	515
7	8/7/2015	9:56:17 AM	515
8		9:57:17 AM	515
9		9:58:17 AM	515
10		9:59:17 AM	515
11		10:00:17 AM	515
12		10:01:17 AM	515
13		10:02:17 AM	515
14		10:03:17 AM	515
15		10:04:17 AM	515





Well History

Well Name: Edith 1-26

API 05123152690000	Surface Legal Location SWSW 26 6N 66W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,710.00	Original KB Elevation (ft) 4,720.00	KB-Ground Distance (ft) 10.00	Spud Date 11/12/1991 00:00	Rig Release Date 11/12/1991 00:00
			On Production Date 12/4/1991	

Job

Drilling - original, 11/1/1991 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 11/1/1991	End Date 11/1/1991	Objective Drill a new Codell well
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Daily Operations

Start Date	Summary	End Date

Initial Completion, 11/2/1991 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 11/2/1991	End Date 11/12/1991	Objective Complete a Codell well
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Daily Operations

Start Date	Summary	End Date

Mechanical Integrity Test, 1/8/2013 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 1/8/2013	End Date	Objective MIT
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Daily Operations

Start Date	Summary	End Date
1/8/2013	I TP-200, ICP-350, ISCP-20. MIRU Basic rig 1557. RU pump lines to WH and opened up well to RT. Controlled well w/30 bbls. of 2% claytreat/biocide water. RD pump lines. ND prod. equip and WH. NU BOP. Drain lines, shut in and secured for the night.	1/8/2013
1/9/2013	I TP-40, ICP-50, ISCP-0. Open well to RT and controlled w/20 bbls of 2% claytreat/biocide. POOH and tally 227 jts.-7,140.57' of 2 3/8" 4.7# J-55 prod. tbg.. Tubing was landed @ 7,150.17' w/227 jts.-7,140.57', NC/SN-1.6', and 8' adj. KB.. MIRU Pick Testers. PU 3 7/8" blade bit, casing scraper for 4 1/2" 11.6# csg., and cross over from RMOR. TIH testing 227 jts. to 6,000 psi.. Found 14 bad jts. Bad jts. were laid down. Ten of the bad jts. were replaced and will have other 4 replacement jts. in the morning. POOH 60 jts. to the derrick leaving 163 jts. in the hole. Drain lines, shut in and secured the well for the night.	1/9/2013
1/10/2013	No press. @ WH. TIH w/65 jts. and tag @ 7,75.57' w/24 in on jt. #228. LD tag jt. and POOH to the derrick w/227 jts.. LD bit and scraper. PU WLTC 4 1/2" RBP. TIH and set @ 7,115.12' w/226 jts.. LD 1 jt. and RU circ. equip.. Broke circ. and rolled hole clean. MIRU Pick Testers. Pressured up to 516 psi. to test the integrity of the casing. Test was logged and witnessed by John Montoya from the OGCC. The pressured climbed to 577 psi. in 15 min.. Test was good. RD tester. PU 1 jt. and latched on to the RBP. Released RBP and POOH to the derrick w/226 jts. and LD tools. PU 3 7/8" blade bit and cross over from RMOR. TIH from the derrick w/166 jts.. Drain lines, shut in and secured the well for the night.	1/10/2013
1/11/2013	No press. @ WH. TIH w/62 jts. tagging fill @ 7,175.57'. RU power swivel and circ. equip.. Broke circ. and cleaned out to 7,268' w/231 jts.. Rolled hole clean. RD power swivel and circ. equip.. LD 5 jts. and POOH 226 jts. to the derrick. LD bit and sub. Shut down due to wind. Drain lines, shut in and secured the well for the weekend.	1/11/2013
1/14/2013	No tubing, ICP-vacuum, ISCP-0. Had problems starting equipment due to frigid temperatures. PU new seat nipple(ID=1.832") and notch collar from WB Supply. TIH w/prod. tbg. from the derrick landing tubing 13.83' above Codell perms. Tubing was landed @ 7,170.19' w/227 jts.-7,140.57', 2-10' subs, NC/SN-1.6', and 8' adj. KB. ND BOP and NU WH. RU sand line w/1.901" broach to WH. Broached to seat nipple. POOH and swapped out broach w/swab cups. Made 3 swab runs. IFL-5,000', FFL-6,000', and made 30 bbls. of water. RDMOL	1/14/2013

Mechanical Integrity Test, 8/6/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 8/6/2015	End Date	Objective MIT Test
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Daily Operations

Start Date	Summary	End Date
8/6/2015	MIRU Ensign 354. Spot in equipment. Held safety meeting and function test BOPs. RU. RU Pump and tank. ITP 100-psi. ICP 100-psi. ISCP 0-psi. Blow down well. Control well w/ 30 bbls kcl on tbg and 40 bbls kcl on csg. ND WH. NU BOPs. Drop down and tag fill w/ 90'. LD tag jts. TOOH Standing back 224 jts 2 3/8", 4.7#, J-55, 8rd tbg. LD SNNC. RU Hydrotester. PU 3 7/8" bit/scraper and TIH out of derrick Hydrotesting to 6000# psi. Had 2 bad jts. RD Tester. Load tbg/csg. Establish circulation and circulate gas out of well. TOOH Standing back 224 jts. LD bit/scraper. SWI. SDFN. Crew to yard.	8/6/2015



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Daily Operations

Start Date	Summary	End Date
8/7/2015	<p>Crew on location. Held safety meeting. ICP 0-psi. ISCP 0-psi. Open well PU 4 1/2 STS RBP and TIH out of derrick w/ 222 jts 2 3/8". Set RBP at 7122.65' load tbg/csg and establish circulation. RU Hydrotester and pressure test Csg to 500# hold and record pressure for 15 minutes and got a good test. Bleed off pressure and RD Tester. Release RBP and TOOH Standing back 222 jts 2 3/8", LD RBP. PU SNNC and TIH Out of derrick w/ 223 jts 2 3/8". Land well at 7168.42' KB. RU Lubricator. Broach tubing to SN w/ 1.90" broach. RU Swabb tools and Made 4 swabb runs, Recovered 40 bbls fluid. ND Lubricator. ND BOPs. NU WH. Changed out casing valves and master valve. SWI. Rack up pump and tank. RDMO. Clean up location and move off well.</p> <p>Landed tubing as follows: KB= 10.00' Sub= 10.00' 223 jts 2 3/8", 4.7#, J-55, 8rd tbg = 7146.82' SNNC= 1.60' Total landed depth= 7168.42' KB.</p> <p>NOTE: FMTd 1 bad jt from well to Scrap pile</p>	8/7/2015