



# 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 is 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.

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 (QtrQtr, Sec, Twp, Rng, Meridian): SWSW 26 6N 66W			

### Complete the Attachment Checklist

	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 SI/TA 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)	Perforated Interval: <input type="checkbox"/> NA	Open Hole Interval: <input type="checkbox"/> NA	Use when perforations or open hole is isolated by bridge plug or cement plug
CODOLL	7184' - 7194'		Bridge Plug or Cement Plug Depth
			7122.65'

### Tubing Casing/Annulus Test

☐ NA

Tubing Size:	Tubing Depth:	Top Packer Depth:	Multiple Packers?
2 3/8	7115.15		<input type="checkbox"/> YES <input type="checkbox"/> NO

### Test Data

Test Date	Well Status During Test	Date of Last Approved MIT	Casing Pressure Before Test	Initial Tubing Pressure	Final Tubing Pressure
8/7/15	Shut in		0	0	
Starting Casing Test Pressure	Casing Pressure - 5 Min.	Casing Pressure - 10 Min.	Final Casing Test Pressure	Pressure Loss or Gain During Test	
509 psi	516 psi	515 psi	515 psi	6 psi gain	

Test Witnessed by State Representative?

☐ YES ☒ 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.

<input type="checkbox"/> Tracer Survey	<input type="checkbox"/> CBL or Equivalent	<input type="checkbox"/> Temperature Survey
Run Date: _____	Run Date: _____	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**

**Shawn Fiscus**  
**970-520-5697**

PDC Energy  
 Ensign 354  
 MIT

Bernie  
 Irving 1-26

Interval:

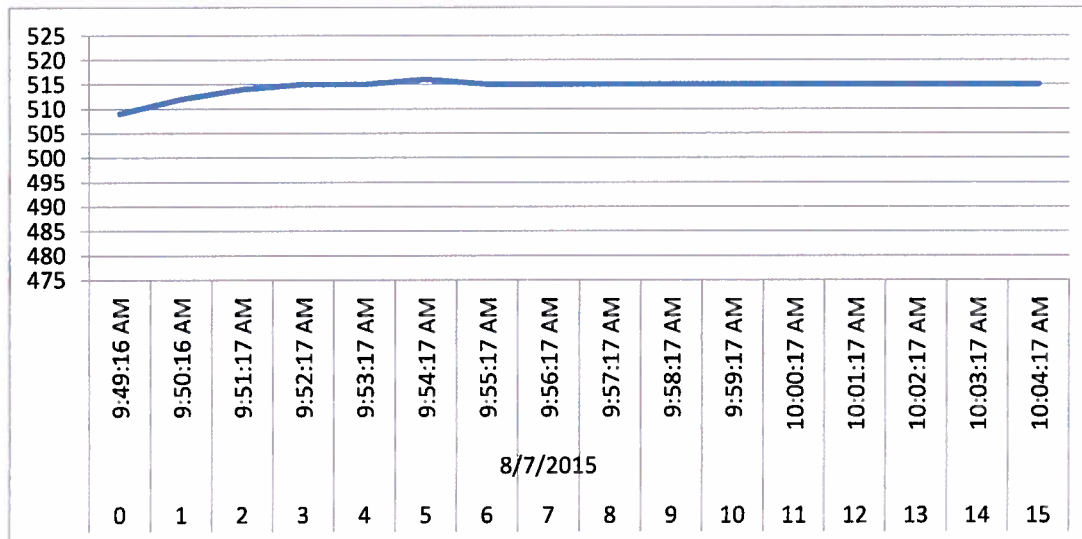
60 Seconds

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



P.O. BOX 341  
STERLING, CO 80751  
970-522-8387

PICK TESTERS  
HYDRO

TICKET  
NO. DH - 8103

B I T L	Customer Name			On Location:
	Address			On Stand By:
	City	State	Zip	Off Stand By:
	Customer Order No.			Off Location:

Purpose of Work \_\_\_\_\_ Pressure Used \_\_\_\_\_  
Date \_\_\_\_\_ Lease \_\_\_\_\_ Well No \_\_\_\_\_  
Field \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ Location \_\_\_\_\_  
Casing Size & Wt. \_\_\_\_\_ Tubing Size & Wt. \_\_\_\_\_  
Contractor & # \_\_\_\_\_ Round Trip Miles From \_\_\_\_\_

Directions: \_\_\_\_\_

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Joints		
	Mileage		
	Test Cups		
	Hours		
	Methanol		
	Casing Test		
	Computer Pressure Log		
		Sub Total	
		Sales Tax	
		Labor	

REPRESENTATIVE BY: _____	TOTAL CHARGES	Subject to Correction in accordance with Latest Published Price Schedules ▶
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Holes
Rod Cuts
Bad Pins
Collar Leaks
Split Joints

Remarks: \_\_\_\_\_

I certify that the above material and/or services has been delivered and/or used: that the basis for charges are correctly stated: and that I am authorized to sign this agreement as agent of customer.

Company \_\_\_\_\_ By \_\_\_\_\_ Date \_\_\_\_\_





## 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	ITP-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	ITP-40, ICP-50, ISCP-0. Open well to RT and controled w/20 bbls of 2% claytreat/biocide. POOH and tally 227 jts. -7,140.57' of 2 3/8" 4.7# J-55 prd. tbgs. 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. tbgs. 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 Integty 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 tbgs 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 tbgs. 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 tbgs/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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			On Production Date 12/4/1991	

### 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