

# 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

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: 05-123-13621

Field Name: Wattenberg

Field Number: 90750

Well Name: JT

Number: #2

Location (QtrQtr, Sec, Twp, Rng, Meridian): NW/SE Sec. 22 T4N R66W 6th PM

☒ 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)

Code 11

Perforated Interval:

☐ NA

Open Hole Interval:

☒ NA

7232' - 7242'

### Casing Test

☐ NA

Use when perforations or open hole is isolated by bridge plug or cement plug  
Bridge Plug or Cement Plug Depth

RBP set @ 7192.40

### Tubing Casing/Annulus Test

☐ NA

Tubing Size:

2 3/8"

Tubing Depth:

6892'

Top Packer Depth:

N/A

Multiple Packers?

☐ YES

☒ NO

### Test Data

Test Date

12-18-15

Well Status During Test

S

Date of Last Approved MIT

Not Available

Casing Pressure Before Test

0

Initial Tubing Pressure

0

Final Tubing Pressure

0

Starting Casing Test Pressure

532

Casing Pressure - 5 Min.

529

Casing Pressure - 10 Min.

528

Final Casing Test Pressure

527

Pressure Loss or Gain During Test

5 psi Loss

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.

☐ Tracer Survey

☐ CBL or Equivalent

☐ 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: Bud Holman

Signed: Bud H

Title: \_\_\_\_\_

OGCC Approval: \_\_\_\_\_

Title: \_\_\_\_\_

Date: 12-18-15

Conditions of Approval, if any: \_\_\_\_\_

Date: \_\_\_\_\_





# Daily Completion Operations

Date: 12/18/2015

Report #: 4.0

Well Name: JT 2

Well Name JT 2	Operator PDC Energy Inc.	API 05123136210000	Well Number 105.902362	Last Mod By BHolman
District Evans	Field Name Wattenberg	County Weld	State CO	
Well Type Development	Surface Legal Location NWSW 22 4N 66W	Spud Date 9/29/1987	Original KB Elevation (ft) 4,744.00	Ground Elevation (ft) 4,735.00 KB-Ground Distance (ft) 9.00

**Daily Operation: 12/18/2015 06:00 - 12/18/2015 14:30**

AFE Number	Job Category Completion/Workover	Objective PERFORM MIT, TESTING CASING	Start Date 12/14/2015	End Date	Primary Job Type Mechanical Integrity Test	Secondary Job Type
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**Rigs**

Contractor Ensign	Rig Number 313
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**Daily Operations**

Report Start Date 12/18/2015	Report End Date 12/18/2015	Daily Field Est Total (Cost) 6,377.47	Cum Field Est To Date (Cost) 30,546.47
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Status at Reporting Time

**Operations Summary**

TP: 0 PSI CP: 0 PSI SCP: 0 PSI HELD SAFETY MEETING. THAWED OUT TANK VALVES. MIRU PICK TESTERS. LOADED CASING. PRESSURED TO 532 PSI. HELD AND CHARTED FOR 15 MINUTES. PRESSURE TO 527 PSI AFTER 15 MINUTES. GOOD TEST. RDMO TESTERS. NO STATE REPRESENTATIVE WAS PRESENT FOR TEST. RIH WITH 5 STANDS. RELEASED RBP AND POOH LAYING DOWN WORKSTRING ON TRAILER. ND BOPS AND TBNG HEAD. INSTALLED FRAC VALVE ON CASING. SECURED WELL. WORKED ON RIG. SDFD

Operations Next Report Period

RDMO

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	
06:30	06:45	0.25	0.75	SMTG	Safety Meeting	
06:45	07:30	0.75	1.50	GOP	General Operations	THAWED OUT TANK VALVES
07:30	08:00	0.50	2.00	PTST	Pressure Test	PERFORMED MIT
08:00	12:30	4.50	6.50	PULT	Pull Tubing	RELEASED RBP, POOH LAYING DOWN TBNG
12:30	13:00	0.50	7.00	BOPR	Remove BOP's	ND BOPS
13:00	14:00	1.00	8.00	RWHD	Remove Wellhead	REMOVED WELLHEAD, INSTALLED FRAC VALVE
14:00	14:30	0.50	8.50	TRAV	Travel - From Location	



## Well History

Well Name: JT 2

API 05123136210000	Surface Legal Location NWSW 22 4N 66W			Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,735.00	Original KB Elevation (ft) 4,744.00	KB-Ground Distance (ft) 9.00	Spud Date 9/29/1987 00:00	Rig Release Date	On Production Date	

### Job

#### Drilling - original, 9/29/1987 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 9/29/1987	End Date 9/30/1987	Objective Drill a new Codell Well
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#### Daily Operations

Start Date	Summary	End Date

#### Initial Completion, 9/30/1987 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 9/30/1987	End Date	Objective Complete a new Codell Well
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#### Daily Operations

Start Date	Summary	End Date

#### Recompletion, 12/9/1998 00:00

Job Category Completion/Workover	Primary Job Type Recompletion	Start Date 12/9/1998	End Date	Objective Refrac Codell
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#### Daily Operations

Start Date	Summary	End Date

#### Workover, 12/26/2002 00:00

Job Category Wellwork	Primary Job Type Workover	Start Date 12/26/2002	End Date	Objective
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#### Daily Operations

Start Date	Summary	End Date
12/25/2002	140# both tbg & csg, blow well down, kill w/codell production water, 25 bbls csg-25 bbls hot tbg, MIRU L&L Well Service, ND WH, was not able to break well head apart, stripped off well head & stripped on a replacement head, NU BOPs, PU tag jts, tagged w/52.44' in @ ground level, LD tag jts, POOH w/production tbg standing back tallying, (POOH 226 jts-sn/nc, landed @ 7205.57' KB), tag depth of 7257.57 KB, SI well, SDFN (dg)	12/26/2002
12/26/2002	75# csg, blow well down, RU H-S Testing, PU sn/nc, TIH w/production tbg testing to 6000#, (layed down 11 bad jts including 2 holes), tested in replacement tbg, RD tester, ND BOPs, land tbg, NU WH, RDMO - will move in next available swab rig  EOT @ 7206.26'KB w/226 jts 2 3/8" 4.7# J-55 EUE tbg-sn/nc (dg)	12/27/2002
12/28/2002	MIRU key. IP blow/0. SFL - 4600'. Swab on well - fluid level low and dropping. CP Coming up. Swab well down. Sait 1 hr. Make run. Fluid level 6000'. 1 hour fluid level 6600'. SIFN FP - 0/20. FFL 6600'. Recovered 28 bbls. (key)	12/29/2002
12/29/2002	MIRU Key. IP - 450/250. IFL - 5700'. Swab on well. Well dry in 2 runs. Shut well in for pressure build up. RDMO. FP - 20/230. FFL - 6700. Recovered - 5 bbls. (Key)	12/30/2002
1/6/2003	MIRU L & L. IP - 250/640. Made 2 swab runs. FP - 300/350. FFL - 1600. (I&I) FINAL	1/7/2003

#### Workover, 1/14/2005 00:00

Job Category Wellwork	Primary Job Type Workover	Start Date 1/14/2005	End Date	Objective
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#### Daily Operations

Start Date	Summary	End Date
1/13/2005	MIRU Swab rig. IP 130/150. Went to blow down frozen line. Told by Tom P to move off to different location. SI MO	1/14/2005
1/14/2005	MIRU Action. IP - 130/150. Blew down. IFL - 5000' gasy. Started mading gasy fluid, no sand or mud. SI. Pressures 110/140, blew down, went in and fished plunger and bumperspring. Left out of hole. SI FP - blow/40. FFL - 6800' gasy. RDMO Recovered 11 bbls.	1/15/2005

#### Facilities, 3/17/2010 00:00

Job Category Associated AFE Listing	Primary Job Type Facilities	Start Date 3/17/2010	End Date	Objective
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#### Daily Operations

Start Date	Summary	End Date

#### Mechanical Integrity Test, 12/14/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 12/14/2015	End Date	Objective PERFORM MIT, TESTING CASING
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## Well History

Well Name: JT 2

API 05123136210000	Surface Legal Location NWSW 22 4N 66W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,735.00	Original KB Elevation (ft) 4,744.00	KB-Ground Distance (ft) 9.00	Spud Date 9/29/1987 00:00	Rig Release Date On Production Date

### Daily Operations

Start Date	Summary	End Date
12/14/2015	ITP: 0 PSI ICP: 0 PSI ISCP: 0 PSI MIRU ENSIGN RIG 313. HELD SAFETY MEETING. RIG UP PUMP AND LINES. TESTED LINES TO 2000 PSI. KILLED WELL WITH 60 BBLs OF CLAYTREAT/BIOCIDE WATER. OPENED WELL TO RIG TANK. ND WELLHEAD. FUNCTION TESTED AND NU BOPS. PU 2 JNTS OF 2-3/8" TBNG AND TAGGED WITH 55' AT 7278.74'. LD TAG JNTS. TOOH TO DERRICK WITH 227 JNTS 2-3/8" 4.7# J-55 8RD EUE TBNG, SN/NC. FOUND 2 HOLES, 3 CRIMPS AND BAD PINS ON 80% OF STRING. RIH WITH TBNG 30 STANDS AT A TIME AND LD 150 JNTS ON TRAILER PROVIDED BY ATP. SECURED WELL. SDFD	12/14/2015
12/16/2015	TP: 0 PSI CP: 0 PSI SCP: 0 PSI HELD SAFETY MEETING. CONTINUE LAYING DOWN 2-3/8" TBNG ON TRAILER. ATP SWAPPED OUT TRAILERS. PU 3-7/8" BLADE BIT, STS CASING SCRAPER AND TALLY IN HOLE WITH 2-3/8" 4.7# J-55 8RD EUE WORKSRING TO TAG AT 7254.90' KB. (12.9' BELOW BOTTOM CODELL PERF) ROLLED HOLE CLEAN. LD 4 JNTS. SB 15 STANDS. SECURED WELL. SDFD	12/16/2015
12/17/2015	TP: 0 PSI CP: 0 PSI SCP: 0 PSI HELD SAFETY MEETING. POOH TO DERRICK WITH BIT AND SCRAPER. PU STS 4-1/2" 11.6# WLTC RBP AND RIH WITH 225 JNTS. SET RBP AT 7192.40' KB. REPLACED BROKEN POP OFF ON PUMP. ROLLED HOLE CLEAN. TESTED CASING TO 500 PSI WITH RIG PUMP FOR 15 MINUTES. HELD GOOD. BLEED OFF PRESSURE. ROLLED HOLE FOR 1 HOUR. SB 5 STANDS. SECURED WELL. SDFD	12/17/2015
12/18/2015	TP: 0 PSI CP: 0 PSI SCP: 0 PSI HELD SAFETY MEETING. THAWED OUT TANK VALVES. MIRU PICK TESTERS. LOADED CASING. PRESSURED TO 532 PSI. HELD AND CHARTED FOR 15 MINUTES. PRESSURE TO 527 PSI AFTER 15 MINUTES. GOOD TEST. RDMO TESTERS. NO STATE REPRESENTATIVE WAS PRESENT FOR TEST. RIH WITH 5 STANDS. RELEASED RBP AND POOH LAYING DOWN WORKSTRING ON TRAILER. ND BOPS AND TBNG HEAD. INSTALLED FRAC VALVE ON CASING. SECURED WELL. WORKED ON RIG. SDFD	12/18/2015