



State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2108



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 328 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: 05-123-14794		Field Name: Wattenburg	
Well Name: Hoshiko		Field Number: 90750	
Location (QtrQtr, Sec, Twp, Rng, Meridian): SE/SE SEC 13 T5N R6SW		Number: 4	

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 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) NIOBrafa Cadell		Perforated Interval: <input type="checkbox"/> NA 6624'-6812' 6904'-6922'		Use when perforations or open hole is isolated by bridge plug or cement plug Bridge Plug or Cement Plug Depth 6580' KB + 6885' KB	
Tubing Casing/Annulus Test <input type="checkbox"/> NA					
Tubing Size: 1 1/4"		Tubing Depth: 6214'		Top Packer Depth: N/A	
				Multiple Packers? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Test Data					
Test Date 10-7-15	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 534	Casing Pressure - 5 Min. 530	Casing Pressure - 10 Min. 530	Final Casing Test Pressure 530	Pressure Loss or Gain During Test 4 psi loss	
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: Bud Holman

Signed: Bud Holman

Title: _____

Date: 10-7-15

OGCC Approval: _____

Title: _____

Date: _____

Conditions of Approval, if any: _____

Pick Testers
Sterling, CO 80751

Guy Dove
970-520-2769

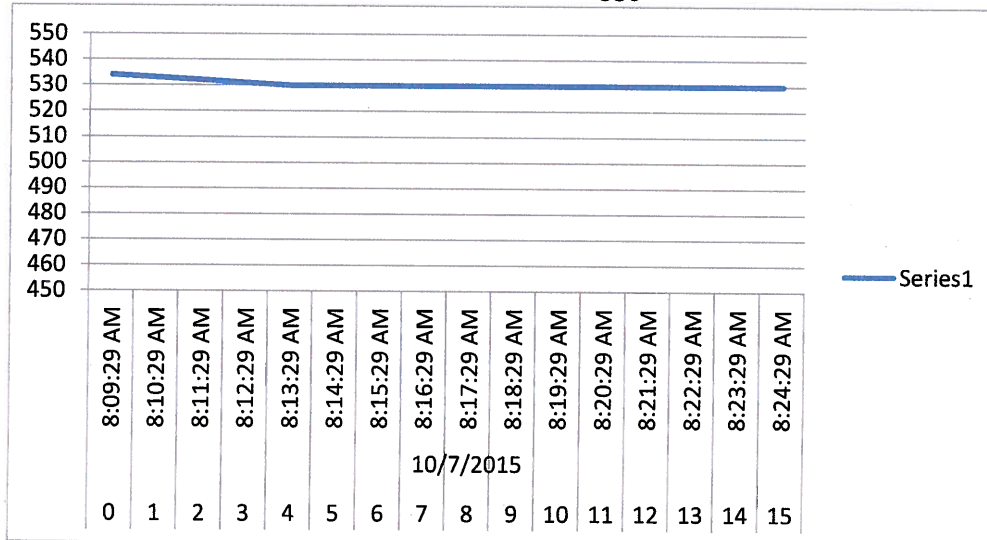
Hoshiko #4
M.I.T.

Bud Holman

API# 05-123-14794

Interval: 60 Seconds

DataPoint	LogDate	LogTime	2-P PSI
0		8:09:29 AM	534
1		8:10:29 AM	533
2		8:11:29 AM	532
3		8:12:29 AM	531
4		8:13:29 AM	530
5		8:14:29 AM	530
6		8:15:29 AM	530
7		8:16:29 AM	530
8	10/7/2015	8:17:29 AM	530
9		8:18:29 AM	530
10		8:19:29 AM	530
11		8:20:29 AM	530
12		8:21:29 AM	530
13		8:22:29 AM	530
14		8:23:29 AM	530
15		8:24:29 AM	530





Well History

Well Name: Hoshiko 4

API 05123147940000	Surface Legal Location SESE 13 5N 65W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,629.00	Original KB Elevation (ft) 4,639.00	KB-Ground Distance (ft) 10.00	Spud Date 1/15/1991 00:00	Rig Release Date On Production Date

Job

Drilling - original, 1/15/1991 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 1/15/1991	End Date 1/16/1991	Objective Drill a new Nio/ Codell Well
--------------------------	---	-------------------------	-----------------------	---

Daily Operations

Start Date	Summary	End Date

Initial Completion, 1/16/1991 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 1/16/1991	End Date	Objective complete a new Nio/Codell Well
-------------------------------------	--	-------------------------	----------	---

Daily Operations

Start Date	Summary	End Date

Recompletion, 1/26/1999 00:00

Job Category Completion/Workover	Primary Job Type Recompletion	Start Date 1/26/1999	End Date	Objective Codell Refrac
-------------------------------------	----------------------------------	-------------------------	----------	----------------------------

Daily Operations

Start Date	Summary	End Date

Maintenance, 1/10/2006 00:00

Job Category Wellwork	Primary Job Type Maintenance	Start Date 1/10/2006	End Date	Objective
--------------------------	---------------------------------	-------------------------	----------	-----------

Daily Operations

Start Date	Summary	End Date
1/9/2006	MIRU Cable Inc. Run 1.516 gauge ring 5930. Run 1.375 Impression block @ 5930'. Knowck loose . Run to 6701. No Impression , catch tight spot @ 5930 coming out. Cut side of impression block.	1/10/2006

DHF-Other, 11/6/2006 00:00

Job Category Wellwork	Primary Job Type DHF-Other	Start Date 11/6/2006	End Date	Objective
--------------------------	-------------------------------	-------------------------	----------	-----------

Daily Operations

Start Date	Summary	End Date
11/5/2006	MI, RUPU pump & rig tank. WTP=200# WCP=200# Bled down & kill well w/40 bbls. KCL ND the WD NU x-over flange & BOPS. RIH w/20' of tbg & tagged TOF@6909'. Laid down tag jt. TOH w/tbg tallying. Pull 214 jts. 2 1/16" shut down and drain pumps.	11/6/2006
11/6/2006	Hydrotest 214 Jts. 2 1/16". No bad jts. Rig down hydro. N.U.J.V. And break circulation roll gas out and start to wash down. Clean 126' sand to 7016' Circulate 45 mins. Lay down 4 Jts. Run broach. Land Tbg. @6889' N.D. Bops. N.U.W.H. start swabbing, fluid @ 300'. Swab down fluid level to 6300'. Pull 40 BBLs. h20 from tank and shut in well.	11/7/2006
11/7/2006	Well on vacuum. rig down	11/8/2006

EWO, 12/18/2006 00:00

Job Category Associated AFE Listing	Primary Job Type EWO	Start Date 12/18/2006	End Date	Objective COSW HIT Repair
--	-------------------------	--------------------------	----------	------------------------------

Daily Operations

Start Date	Summary	End Date

Completion, 11/12/2008 00:00

Job Category Wellwork	Primary Job Type Completion	Start Date 11/12/2008	End Date	Objective Re-complete to Niobrara
--------------------------	--------------------------------	--------------------------	----------	--------------------------------------

Daily Operations

Start Date	Summary	End Date
11/11/2008	MI, RUPU & equip. WTP=100#, WCP=450#, bled down & killed well w/ 40 bbls 2% KCL. ND the WH, NU x-over flange & the BOPS. RIH w/ tbg, tagged TOF w/ 218-jts @ 7005' MD & TOH w/ tbg tallying. Laid down the prod equip, secured the well & drained the hard lines. SDON.	11/12/2008
11/12/2008	SIP=100#. Bled off the press, opened the well & made up B&S. RU Anytime Testing, TIH w/ tbg hydro testing to 7k & RD tester. Tagged TOF w/ 218-jts @ 7005' MD, TOH w/ tbg & laid down B&S. RU J-W Wireline, made up a Owen 3 1/2"x 10,000# CIBP & RIH. Ran a collar strip & correlated w/ the Goodwell GR/CCL/CBL. Tied in to the csg collars & set the top of the CIBP @ 6885' WD. Dump bailed 1sx of cmt on top of the plug (est TOC @ 6875' WD). ND the BOPS, NU 5k WH flange & RU Anytime Testing Testing. Press tested the csg to 5k for 15-min (good test) bled off press & RD tester. ND WH flange & NU the BOPS. Made up a 2 1/8" x 22' tbg gun, RIH & perforated @ 6790'-6812'. Made up a 2 1/8" x 20' tbg gun, RIH & perforated @ 6722'-6742'. Made up a 2 1/8" x 18' slick gun, RIH & perforated @ 6624'-6642'. All shots were 6-jspf, 60 deg phasing, 6.5 gram, 27.51" penetration, .27" entry (360-perfs), RD EWL. Secured the well, drained the hard lines & SDON.	11/13/2008



Well History

Well Name: Hoshiko 4

API 05123147940000	Surface Legal Location SESE 13 5N 65W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,629.00	Original KB Elevation (ft) 4,639.00	KB-Ground Distance (ft) 10.00	Spud Date 1/15/1991 00:00	Rig Release Date
			On Production Date	

Daily Operations

Start Date	Summary	End Date
1		

Abandon Well, <dtmstart>

Job Category Abandon	Primary Job Type Abandon Well	Start Date	End Date	Objective
-------------------------	----------------------------------	------------	----------	-----------

Daily Operations

Start Date	Summary	End Date