



Well History

Well Name: State 41-4

API 05123209280000	Surface Legal Location NENE 4 5N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,775.00	Original KB Elevation (ft) 4,785.00	KB-Ground Distance (ft) 10.00	Spud Date 1/11/2006 00:00	Rig Release Date 1/15/2006 00:00
On Production Date 2/8/2006				

Job
Drilling - original, 1/14/2006 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 1/14/2006	End Date	Objective Drill a new Codell well
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Daily Operations

Start Date	Summary	End Date

Initial Completion, 1/20/2006 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 1/20/2006	End Date	Objective Produce a new Codell well
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Daily Operations

Start Date	Summary	End Date

Mechanical Integrity Test, 1/26/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 1/26/2015	End Date	Objective MIT
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Daily Operations

Start Date	Summary	End Date
1/26/2015	STP 1200 psi, SCP 200 psi, SSCP 0 psi. not on blow down through production equipment, SSCP 0 psi, MIRU Ensign 314, held safety meeting, RU rig and all equipment, pressure tested hard lines, blew well down to rig tank, control well w/30 bbls Claytreat/Biocide water down tubing, pumped 30 bbls down casing, function tested BOP's, ND WH, NU BOP, PU tag jts, TIH w/ 4 jts, no tag @ 6,904.85' (83' above PBTD, 100' of rat hole), LD tag jts, RU Pick Testers, POOH w/production tbg to derrick testing to 6000 psi, all jts tested good, RD tester, out of hole w/ 208 jts 2 3/8" J-55 EUE 8rd tbg, 1-8' and 1-10' subs, sn/nc, tbg was landed at 6,779.65' KB (18.35' below Codell perms), Si and isolate well, shut and locked blind rams on BOP's, drained lines and pump, prepared for next day operations, SDFN	1/26/2015

1/27/2015	SCP 100 psi, SSCP 0 psi, held safety meeting, blew well down to rig tank, control well w/20 bbls Claytreat/Biocide water, PU bit and scraper dressed for 4 1/2" 10.5# casing provided by STS, TIH w/ scraper and 208 jts of tubing, RU circulation equipment, rolled hole clean, no communication up surface casing, held safety meeting, POOH w/208 jts of tbg to derrick, LD bit and scraper, PU STS's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,766.55' KB and tools w/208 (31.42' above top of Codell formation), LD 1 jt, held safety meeting, MIRU Pick Testers, pressured casing to 500 psi, held and charted pressure for 15 mins, well lost 3 psi per min., pressured back up, same result, bled pressure down to 0 psi, RU circulation equipment, broke circulation, rolled hole for 1 hour, pressure up again to 500 psi w/ test truck, gain 6 psi per min, monitored for 30 mins, same result, bled pressure down to 0 psi, pressure well to 1600 psi w/ rig pump, monitored for 15 mins, no leak off, bled pressure down to 500 psi, monitored at pump for 15 mins, no leak off, RU test truck, monitored pressure, 2.2 psi gain per minute on average for the first 15 mins, 1.7 psi gain per min for next 15 mins, 1.4 psi gain per min for next 15 mins, possible temp. expansion problem, decided to shut well in w/ 500 psi and retest next morning, RU and released test truck, State Representative was on location to witness test, Shut in and isolate well, shut and locked pipe rams on BOP's, drained lines and pump, prepared for next day operation. SDFN	1/27/2015
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1/28/2015	SCP 584 psi, STP 0 psi, SSCP 0 psi, held safety meeting, MIRU Pick Testers, bled pressure down to 540 psi, held and charted pressure for 15 mins, 0 psi pressure gain, good test, State Representative was not on location to witness test, released pressure, PU 1 jts of tubing, latched onto RBP, released RBP, TOO H standing back to derrick, LD tools, PU NC/SN, TIH with production tubing, ND BOP, land tbg in WH 6,782.65' KB (15.35' above the Codell) w/208 jts plus 1-10' & 1-12' subs, NU WH, did not dropped new PCS full port standing valve and broached to seatnipple w/1.901" broach, RU swab equipment. ITP-0 psi ICP-0 psi IFL-1800' FFL-4000' Swabed back 38 bbls water FTP-blow FCP-50 psi Made 15 swab runs isolate well, drained lines and pump, racked pump and tank, RDMOL. Tbg detail: 7.0' adj KB 7.0' 208 jts 2 3/8" 4.7# J-55 EUE 8rd 6752.05' 6759.05' 1-10' 2 3/8" J" 4.7# J-55 EUE 8rd sub 10.0' 6769.05' 1-12' 2 3/8" J" 4.7# J-55 EUE 8rd sub 12.0' 6781.05' Seatnipple/notched collar 1.60' 6782.65'	1/28/2015
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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.

Complete the Attachment Checklist

	OGCC	OGCC
Pressure Chart		
Constant Bend Leg		
Tracer Survey		
Temperature Survey		

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: 05-123-20988	Field Name: Wattenberg / DJT	Field Number:	
Well Name: State	Number: 41-4		
Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE SN-63W-4			

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 Use when perforations or open hole is isolated by bridge plug or cement plug Bridge Plug or Cement Plug Depth
Injection/Producing Zone(s) <i>Codell</i>	Perforated Interval: <input type="checkbox"/> NA <i>6798'-6804'</i>	Open Hole Interval: <input type="checkbox"/> NA	<i>6760.55</i>

Tubing Casing/Annulus Test				<input type="checkbox"/> NA
Tubing Size: <i>2 3/8"</i>	Tubing Depth: <i>6759.05</i>	Top Packer Depth: <i>N/A</i>	Multiple Packers?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Test Data						
Test Date <i>1/27/05</i>	Well Status During Test <i>Shut in</i>	Date of Last Approved MIT	Casing Pressure Before Test <i>0 psi</i>	Initial Tubing Pressure <i>0 psi</i>	Final Tubing Pressure <i>0 psi</i>	
Starting Casing Test Pressure <i>540 psi</i>	Casing Pressure - 5 Min. <i>540 psi</i>	Casing Pressure - 10 Min. <i>540 psi</i>	Final Casing Test Pressure <i>540 psi</i>	Pressure Loss or Gain During Test <i>0 psi</i>		
Test Witnessed by State Representative? <input type="checkbox"/> YES <input 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: *Chad Sailors*

Signed: *[Signature]* Title: *Wattenberg Rig Supervisor* Date: *1/27/05*

OGCC Approval: _____ Title: _____ Date: _____

Conditions of Approval, if any:

Pick Testers
Sterling, CO 80751

Guy Dove
970-520-2769

PDC Energy
Grady Dyer 14-5

Chad Sailors
M.I.T.

A.P.I.# 05-123-20928-0000

5N 63W-4 NENE

Interval:

60 Seconds

0		7:48:35 AM	540
1		7:49:35 AM	541
2		7:50:35 AM	541
3		7:51:35 AM	541
4		7:52:35 AM	540
5		7:53:35 AM	540
6		7:54:36 AM	540
7		7:55:36 AM	540
8	1/28/2015	7:56:36 AM	540
9		7:57:36 AM	540
10		7:58:36 AM	540
11		7:59:36 AM	540
12		8:00:36 AM	540
13		8:01:36 AM	540
14		8:02:36 AM	540
15		8:03:36 AM	540

