



Well History

Well Name: Grady Dyer 14-5

API 05123219600000	Surface Legal Location SWSW 5 6N 64W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,755.00	Original KB Elevation (ft) 4,765.00	KB-Ground Distance (ft) 10.00	Spud Date 2/24/2004 00:00	Rig Release Date 3/5/2004 00:00
			On Production Date 3/24/2004	

Job

Drilling - original, 2/24/2004 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 2/24/2004	End Date 2/28/2004	Objective Drill a new Codell well
--------------------------	---	-------------------------	-----------------------	--------------------------------------

Daily Operations

Start Date	Summary	End Date
2/24/2004	Caza Rig #1: MIRU Spud hole @1:45 PM with 12 1/4" bit. TD 12 1/4" hole @ 420' at 5 PM. Make a wiper trip, condition and circulate, and survey (1/2 degree at 420'). Trip out and ran 9 joints of new, 24#, J-55, 8 5/8" surface casing to 401'. Set at 411'. Rig up Cementers Well Service, Inc and cemented with 230 sacks of class cement. Plug down @ 9:30 PM. Wait on cement.	
2/25/2004	Caza Rig #1: Nipple up BOP and trip in hole with 7 7/8" bit. Finish testing the BOP at 6:30 AM and began drilling with 7 7/8" bit at 6:30 AM.	
2/26/2004	Caza Rig #1: Drilling @ 3936 with 7 7/8" bit. Last survey @3191' - 2 degrees.	
2/27/2004	Caza Rig #1: Drilling @ 5905 with 7 7/8" bit. Last survey @4410' - 1.5 degrees.	
2/28/2004	Caza Rig #1: TD 7 7/8" hole at 7254' at 1:45 AM. Short trip, condition and circulate the hole, and survey (3/4 degree a 7254'). Began laying down the drill string at 4:45 AM. Out of the hole at 10:15 AM and rig up Phoenix and log. Loggers TD @ 7,247'. RU PSI and run dual induction from TD to Btm Surf Csg @ 411'. Run Comp Density & Neutron from 7,247' to 6,550' and 4,100' to 3,600'. RU Kimzey Casers, run TOPCO Autofill Guide Shoe, 1-4 1/2", 10.5# shoe jt @ 14.44', 1-4 1/2", 10.5# marker jt at 34.59', 167 jts of 4 1/2", M-65, 10.5# csg at 7,165.69' and 1 jt of 4 1/2", 11.6#, N-80 at 42.01'. Ran centralizers on jts 1,3,5,7,9,11,13,15,17,19. Land casing at 7,233.64', PBTD at 7,219.2'. Circ hole for 45 minutes and RU Halliburton. Pump 12 bbls MudFlush, 10 bbls Clayfix water, 6 bbls (20 sxs) of 50/50 poz with additives at 14.6 ppg, 238 bbls (330 sxs) of HLC at 10.5 #/gal, and 52 bbls (180 sxs) of 50/50 poz with additives at 14.6 PPG. Wash lines and drop plug. Displace cement with 116 bbls of Clayfix water. Plug down at 6:19 pm, plug held, set slips at 6:30 pm and released rig at 7:30 pm on 02/28/2004.	

Initial Completion, 3/4/2004 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 3/4/2004	End Date 3/5/2004	Objective Complete a Codell well
-------------------------------------	--	------------------------	----------------------	-------------------------------------

Daily Operations

Start Date	Summary	End Date
3/4/2004	MIRU Nuex Wireline. Run gamma bond VDL from PBTD 7,189' to 2,430'. Perf Codell fro 7,021' - 7,031' with 3 1/8" ppg at 3 spf with 120 degrees phasing and 11 gram charges (30 holes). RDMO Nuex. Install frac valve.	
3/5/2004	MIRU BJ Services. Frac Codell to 7,021' - 7,031' with 2,707 bbls Vistar 20# gel, with 218,040# of Ottawa 20/40 sand and 8,000# Super LC 20/40 sand. Stage at 1,2,3,4 ppg at ATP=3,865 psi and 16.5 BPM. Flush with 111 bbls freshwater (10 bbls had 2% ClayTreat). ISDP=3,745 psi. Well on flowback on 20/64" choke at 3,550 psi at 11:05 am.	

Tubing Repair, 4/3/2004 00:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 4/3/2004	End Date 4/12/2004	Objective Install tubing in well
-------------------------------------	-----------------------------------	------------------------	-----------------------	-------------------------------------

Daily Operations

Start Date	Summary	End Date
4/3/2004	4 1/2" Casing, Depth 7,223.64'. 2 3/8" New tubing, Depth 7,007.05' KB. PBTD 7,219.2'. Codell perforations 7,021'-31'. Key Energy Rig #30: MIRU. Late in the day. Shut down for the day.	
4/6/2004	Key Energy Rig #30: Well head pressures @ 100. Killed well with 40 bbls. Nipple up well head. Nipple up BOP. TIH. Tally and drift with Mini "L" 227 joints tagging sand @ 7,034.73'. Cleaned hole to 7,219' with 232 joints. Laid down 7 joints. Nipple down BOP. Flanged up well head. Landed 225 joints + 2 - 10' subs + SN + NC + KB @ 7,007.05' KB. Broached tubing to SN. Shut in well. RDMO. Total load to recover 40 bbls. Sand 3.73' below bottom perf. SV in well.	
4/8/2004	Service Rig #99: MIRU. Check well pressures @ Blow/Vacuum. Made 2 runs. Fluid level @ 5,218'. Stopped for roustabout crew to build well head. Started back up. Made one run. Well kicked off. Flow tested. Shut down for the day. Final tubing pressure @ 100. Final casing pressure @ 100. Recovered 70 bbls.	
4/9/2004	Service Rig #99: Check well pressures @ 500/800. Ran through separator and flow test. Well stalled. Made 5 runs. Well kicked on. Flow tested. Well ran fine. Shut in. Final tubing pressure @ 300. Final casing pressure @ 750. Recovered 55 bbls. Shut down for the day.	
4/12/2004	Service Rig #99: Check well pressures @ 800/1550. Put well through separator. Flow tested well. Well ran fine. Recovered 27 bbls. Final tubing pressure @ 600. Final casing pressure @ 1400. RDMO	

Mechanical Integrity Test, 1/21/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 1/21/2015	End Date	Objective MIT
-------------------------------------	---	-------------------------	----------	------------------



Well History

Well Name: Grady Dyer 14-5

API 05123219600000	Surface Legal Location SWSW 5 6N 64W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,755.00	Original KB Elevation (ft) 4,765.00	KB-Ground Distance (ft) 10.00	Spud Date 2/24/2004 00:00	Rig Release Date 3/5/2004 00:00
			On Production Date 3/24/2004	

Daily Operations

Start Date	Summary	End Date
1/21/2015	STP 250 psi, SCP 250 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 @ 7,167.61' (51' above PBDT, 136' 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/ 226 jts 2 3/8" J-55 EUE 8rd tbg, 2-10' subs, sn/nc, tbg was landed at 7,041.61' KB (10.61' 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	1/21/2015
1/22/2015	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" 11.6# casing provided by STS, TIH w/ scraper and 226 jts of tubing, RU circulation equipment, rolled hole clean, no communication up surface casing, held safety meeting, POOH w/226 jts of tbg to derrick, LD bit and scraper, PU STS's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,982.43' KB and tools w/10' out on jt # 225 (38.57' 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, 7 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, TOOH standing back to derrick, LD tools, PU NC/SN, TIH with production tubing, in hole w/ 150 jts, Shut in and isolate well, shut and locked pipe rams on BOP's, drained lines and pump, prepared for next day operation. SDFN	1/22/2015
1/23/2015	SCP 0 psi, STP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, held safety meeting, continued TIH with production tubing, ND BOP, land tbg in WH 7,013.53' KB (7.47' above the Codell) w/225 jts plus 2-10' 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-2400' FFL-4200' Swabbed back 34 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' 225 jts 2 3/8" 4.7# J-55 EUE 8rd 6984.93' 6991.93' 1-10' 2 3/8" J" 4.7# J-55 EUE 8rd sub 10.0' 7001.93' 1-10' 2 3/8" J" 4.7# J-55 EUE 8rd sub 10.0' 7011.93' Seatnipple/notched collar 1.60' 7013.53'	1/23/2015

Pick Testers
Sterling, CO 80751

Guy Dove
970-520-2769

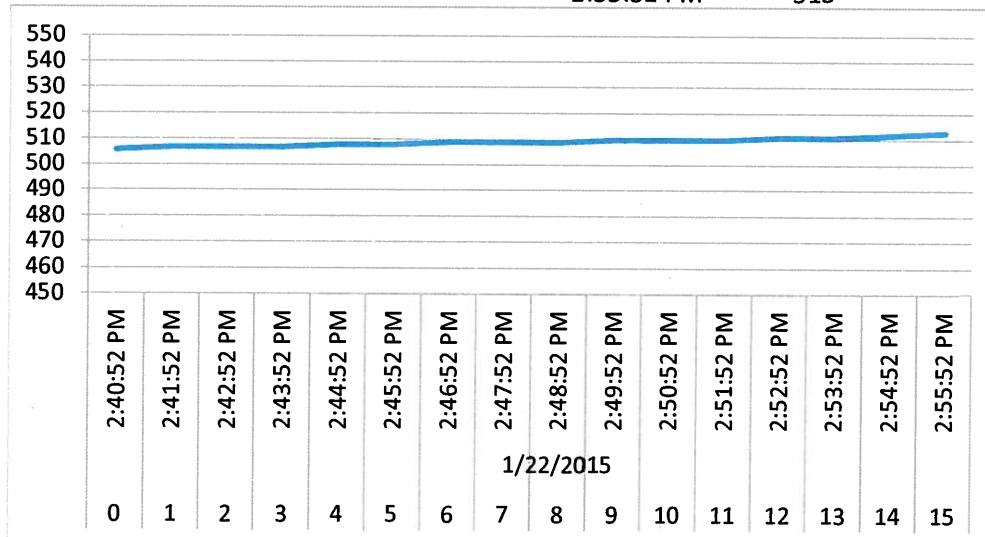
PDC Energy
 Grady Dyer 14-5
 legals: 6N 64W sec 05 SW SWA
 API: 05-123-2196 00000

Chad Sailors
 M.I.T.

Interval:

60 Seconds

DataPoint	LogDate	LogTime	4-P PSI
0		2:40:52 PM	506
1		2:41:52 PM	507
2		2:42:52 PM	507
3		2:43:52 PM	507
4		2:44:52 PM	508
5		2:45:52 PM	508
6		2:46:52 PM	509
7		2:47:52 PM	509
8	1/22/2015	2:48:52 PM	509
9		2:49:52 PM	510
10		2:50:52 PM	510
11		2:51:52 PM	510
12		2:52:52 PM	511
13		2:53:52 PM	511
14		2:54:52 PM	512
15		2:55:52 PM	513



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: 05-123-21960

Field Name: Wattenberg

Field Number:

Well Name: Grady Dyer

Number: 14-5

Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW 6N-64W-5

Complete the Attachment Checklist

	Operator	OGCC
Pressure Chart		
Constant Bend 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

Injection/Producing Zone(s)

Codell

Perforated Interval:

☐ NA

Open Hole Interval:

☐ NA

7021' - 7031'

Casing Test

☐ NA

Use when perforations or open hole is isolated by bridge plug or cement plug

Bridge Plug or Cement Plug Depth

6982.43'

Tubing Casing/Annulus Test

☐ NA

Tubing Size:

2 3/8"

Tubing Depth:

6974.93

Top Packer Depth:

N/A

Multiple Packers?

☐ YES

☒ NO

Test Data

Test Date

11/22/15

Well Status During Test

Shut in

Date of Last Approved MIT

Casing Pressure Before Test

0 psi

Initial Tubing Pressure

0 psi

Final Tubing Pressure

0 psi

Starting Casing Test Pressure

506 psi

Casing Pressure - 5 Min.

508 psi

Casing Pressure - 10 Min.

510 psi

Final Casing Test Pressure

513 psi

Pressure Loss or Gain During Test

7 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.

☐ 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:

Title: Work over Rig Supervisor

Date: 11/22/15

OGCC Approval:

Title:

Date:

Conditions of Approval, if any: