



# 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

	Ops	OGCC
Pressure Chart		
Cement Bond Log		
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: 05-123-25005 Field Name: Wattenberg Field Number: 90750	
Well Name: Wahlert Number: 41-34	
Location (Qtr, Sec, Twp, Rng, Meridian): NE/NE Sec. 34 T7N R63W 6PM	

☒ 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) Niobrara Codell		Perforated Interval: <input type="checkbox"/> NA 6502-6612 6772-6778		Use when perforations or open hole is isolated by bridge plug or cement plug Bridge Plug or Cement Plug Depth Retestable Bridge Plug 2 6457'	
Tubing Casing/Annulus Test <input type="checkbox"/> NA					
Tubing Size: 2 3/8"	Tubing Depth: 6426'	Top Packer Depth: N/A	Multiple Packers? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Test Data					
Test Date 2-22-16	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 524 psi	Casing Pressure - 5 Min. 525	Casing Pressure - 10 Min. 525	Final Casing Test Pressure 525	Pressure Loss or Gain During Test 1 psi gain	
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: 2-22-16

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

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

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

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





## Well History

Well Name: Wahlert 41-34

API 05123250050000	Surface Legal Location NENE 34 7N 63W			Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,735.00	Original KB Elevation (ft) 4,745.00	KB-Ground Distance (ft) 10.00	Spud Date 9/4/2007 14:45	Rig Release Date 9/7/2007 15:15	On Production Date 1/15/2008	

### Job

#### Drilling - original, 9/4/2007 06:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 9/4/2007	End Date 9/8/2007	Objective Drill and Complete new Codell producer
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#### Daily Operations

Start Date	Summary	End Date
9/4/2007	Ensign Rig 31 spud at 14:45 hours 04-Sept-07. Drilled 12-1/4" surface hole to 546'. Ran 12 joints 8-5/8", 24#/ft casing (526') set at 536' KB. Cemented by Cementers Energy with 380 sacks Class "G" + 3% CaCl <sub>2</sub> + 1/4# celloflake/sk (15.6 ppg, 1.18 ft <sup>3</sup> /sk). Plug down at 01:45 hours 05-Sept-07. Circulated cement. Currently NU BOP.	9/5/2007
9/5/2007	NU BOP. Tested BOP and casing to 800 psig. Currently drilling at 3652' (3106'). 7-7/8" Bit #1:M519. Drilling with water. Defls: 0.25 at 1492', 1.75 at 2508', 1.25 at 3016'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500').	9/6/2007
9/6/2007	Drilled to 5972'. TOH for hole in pipe. Laid down and replaced 1 joint drillpipe. TIH. Currently drilling at 6131' (2479'). 7-7/8" Bit #1:M519. Drilling with water. Defls: 1.25 at 3715', 0.25 at 4224', 1.34 at 4988', 1.25 at 5495'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500').	9/7/2007
9/7/2007	Drilled to 6958' TD (827'). 7-7/8" Bit #1:M519. Mud wt. 9.2; visc. 52. Defls: 2.50 at 6131'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500'). Made short trip above Niobrara. C&C mud. LDDP. PSI ran DIL, CDL, CNL, GR from 6953'. Currently running 4-1/2" casing. Note: Reached TD at 15:15 hours 07-Sept-07.	9/8/2007
9/8/2007	Ran 4-1/2" casing and cemented. Rig released at 10:45 hours 08-Sept-07.  Casing report: Run 164 jts 4.5", 10.5#, M-65, ST&C, 5100# test, Run 1 jt 4.5", 11.6#, M-80, LT&C, 7100# test, delivered from Colorado Tubulars yard in Ft. Morgan. Total 6935.18' landed @ 6948.76' w 12' landing jt in. Shoe 1.58', shoe jt 14.32', 12 jts 510.47', marker jt 14.28', 151 jts 6396.11'. PBDT 6932.86'. Tagged with 5' of tag jt. 6 jts left on rack total 254.64', which will be moved to next well. Ran 10 centralizers on bottom every other jt TD to 6154'. Cement report: Halliburton Services pump 20 bbls Clafix water, 24 bbls mud flush, followed by 20 bbls Clayfix water spacer. Mix and pump 515 sx HLC STD 65%CMT, 35%POZ, 10%Gel, 0.5% Econolite, 0.2% D-Air, 5#/sk Silicate, 303 bbls slurry mixed @ 11.0 ppg for a yield of 3.27. Cement covers from Surface to 5950' w/ 10% excess. Then mix and pump Tail cement 150 sx 50/50 poz w/ 35% Silica Flour, 5#/sk Silicate, 0.5% Halad R-23, 0.3% Halad R-322, 0.2% HR-5, 0.5% CFR-3 W/O Defoamer, and 2% gel, 44 bbls slurry mixed @ 14.6 ppg for a yield of 1.64. Cement covers from 5950' to TD w/ 0% excess. Displace w/ 110.6 bbls Clayfix wtr. Bump plug w/ 2500 psi, held.  Daily Cost \$ 82350 Cost to Date \$ 244258	9/9/2007

#### Completion, 12/8/2007 06:00

Job Category Completion/Workover	Primary Job Type Completion	Start Date 12/8/2007	End Date 12/13/2007	Objective Perforate and frac Codell/Niobrara formation. Run CBL
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#### Daily Operations

Start Date	Summary	End Date
12/8/2007	MIRU Nuex Wireline. Ran GR/VDL/CBL log finding PBDT @ 6921' and Cement Top @ surface and top of tail @ 6000'. Good bond on tail and good bond on filler slurry. Perforated the Codell formation from 6772-6778' (2 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration), 12 holes total. Perforated the Niobrara formation from 6502-6504 (2spf) 6607-6612 (2spf) (, 3 1/8 slick gun, 21 gram Hero Charges, .39" entry hole, 30.92" penetration) 12 shots total. Prepare well for Codell / Niobrara Limited entry stimulation.	12/8/2007
12/13/2007	MIRU BJ Services. Codell / Niobrara Performed a Limited Entry Codell/Niobrara stimulation using 3039 bbls of Vistar 20# fluid system, 337140 lbs of 20/40 white sand and 16000 lbs of SB Excel 20/40 resin coated proppant. Niobrara perfs @ 6502 -6504, 6607-6612 (12 Shots) & Codell perfs @ 6772-6778 (12 Shots). Breakdown at 3078 psi @ 4.8 bpm, Ballout with 50 bio -ball sealers and 500 gallons of 15% HCl acid, shut down, allowed balls to drop for approximately 15 minutes and proceeded remainder of treatment. (we had great ball action on both formations) Pumped 952 bbls of Slickwater pad. Pumped 1 - 4 ppg stages of 20/40 white sand, 4 ppg SB Excel proppant, flush well to top Niobrara perforation (102.6 bbls), shut down, record ISDP = 2950 psi, RD BJ Services, turn well on to flowback. MTP = 4681 psi, ATP = 4071 psi, AIR = 43.7 bpm. Operationally treatment was ok had to shut down in the middle of 1# sand stage due to gel pump problems. Pressure response was flat to negative during entire treatment, Well turned on for flowback on a 14/64" choke. Frac via 4 1/2" casing.	12/13/2007

#### Completion, 12/31/2007 00:00

Job Category Completion/Workover	Primary Job Type Completion	Start Date 12/31/2007	End Date 1/3/2008	Objective insert tubing and clean out well
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#### Daily Operations

Start Date	Summary	End Date
12/31/2007	20#s csg open to FBT, MIRU SOS rig #13, blew well down, control well w/20 bbls 2% KCL, ND frac valve, install WH, NU BOPs, PU sn/nc, TIH picking up tallying new 2 3/8" production tbg, tagged fill at 6790' KB w/221 jts, RU to clean out, circulated clean to 6933' KB (PBDT) w/225 jts, rolled hole clean, POOH w/8 stands, isolate well, SDFN.  Daily Cost: \$53,643.00 Cost to Date: \$451,401.00	12/31/2007





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### Daily Operations

Start Date	Summary	End Date
1/2/2008	0#s tbg/160#s csg, blew well down, rolled gas out, finish POOH to derrick w/production tbg, TIH w/production tbg configured for rod pumping, ND BOPs, set TAC (20K over), pack WH off, install flow T, chg over to rod handling tools, PU RHAC pump, TIH picking up 8 - K bars, 174 - 3/4" rods, 1 - 7/8" rod, isolate well, SDFN.  Tbg detail: 209 jts 2 3/8" 4.7# J-55 EUE 8rd TAC 12 jts (same tbg) Seatnipple Mud anchor (slotted and pinned)	1/2/2008
	10' KB 6439.43' 3.00' 370.16' 1.10' 25.00'	10' 6449.43 6452.43' 6822.59' 6823.69' 6848.69'
1/3/2008	0#s tbg/100#s csg, blew well down, continue TIH picking up rod string, seat pump, long stroke pump, had good pump action, space pump 20", hang well off, isolate well, RDMO. FINAL REPORT  Daily Cost: \$4000.00 Cost to Date: \$460,501.00  Rod detail: 1 - 2' x 7/8" pony rod 1 - 22' x 1 1/4" polish rod 1 - 8' x 7/8" pony rod 2 - 6' x 7/8" pony rods 89 - 7/8" rods 175 - 3/4" rods 8 - 1 1/4" K bars 1 - 2' x 3/4" pony rod 2" x 1 1/4" x 12' x 16' RHAC pump	1/3/2008

### Pump Repair, 12/4/2009 08:00

Job Category Completion/Workover	Primary Job Type Pump Repair	Start Date 12/4/2009	End Date 12/7/2009	Objective Pull rods and pump, pressure test tubing, run new pump.
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### Daily Operations

Start Date	Summary	End Date
12/4/2009	ITP-0#s, ICP-500#s, MIRU Key Rig #59. Unhang rods, unseat pump and lay down 1-6' & 1-8' rod sub. PU polish rod and pack off tubing. B&J Hot Oil Service loaded 40 oil F/Cornish 11 & 12-3 production tank, MIRU B&J to tubing. Hot oil tubing and rods W/ 40 Bbls oil @ 250 degrees, RD Hot oiler. Lay down polish rod and TOO H W/89 7/8", 175-3/4", 8-1 1/2" K-bars, 1-2'-3/4" sub & 2" x 1 1/4" x 12' x 16' RHAC pump (pump wouldn't scope together), SI well and secure, SDFN.	12/4/2009
12/7/2009	ITP-0#s, ICP-350#s, start and warm up equipment. MIRU B&J Hot oil service W/ 60 Bbls oil F/Cornish 11 & 12-3 tank battery. Drop 2 3/8" standing valve, load tubing W/22 Bbls oil. Test tubing to 800 PSI, got a good test, release pressure. RU swab & fish standing valve. PU new 2" x 1 1/4" x 12' x 16' RHAC pump W/1-2' x 3/4" sub. TIH W/ 8- 1 1/2" K bars, 175- 3/4", 89- 7/8", 1-8' 7/8" & 1-6' 7/8" sub, PU 22' x 1 1/4" polish rod, seat pump, space pump out @ 16" off bottom. Hang rods off, load tubing W/ 13 Bbls oil, roll unit over and pressure pump against Hot Oil truck to 500 PSI, release pressure & RD Hot oiler. Turn well over to production, RDMO to Wahlert #42-34, final report	12/7/2009

### Rod Repair, 8/30/2010 07:00

Job Category Completion/Workover	Primary Job Type Rod Repair	Start Date 8/30/2010	End Date 8/31/2010	Objective Pull rods and pump, hydrotest tubing. Run new pump.
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### Daily Operations

Start Date	Summary	End Date
8/30/2010	STP 80 psi. SCP 80 psi, SSCP 0 psi, blow well down to rig tank, un-hang well, unseat pump, LD 2 rods, RU B&J Hot OIL, hot oil tbg/rods w/30 bbls lease oil, hot oil flowline w/10 bbls same oil, RD hot oiler, LD polish rod, TOO H w/rod detail and pump, pump was stuck open, (POOH w/polish rod/liner, 4' x 7/8", 6' x 7/8", 8' x 7/8" pony rods, 89 7/8" rods, 175 3/4" rods, 8 K-Bars, 2' x 3/4" pony, pump), chg over to tbg handling tools, ND WH, release tbg anchor, NU BOP, PU tag jts, tagged w/75' in, LD tag jts, POOH w/production tbg to derrick tallying, (POOH w/209 jts 2 3/8" 4.7# J-55 EUE 8rd, TAC, 12 jts same tbg, seatnipple, open ended mud anchor) TAC was landed at 6458.85' KB, seatnipple was landed at 6832.29' KB, end of mud anchor was at 6857.41' KB, tag depth of 6932.41' KB (154.41' of rat hole), prepare for tomorrows operations, isolate well, SDFN.	8/30/2010

## Well History

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## Daily Operations

Start Date	Summary				End Date
8/31/2010	0 psi at WH, open well, RU Pick Testers, TIH w/production tbg configured for rod pump testing to 6000 psi, found 2 jts w/holes and split 2 jts testing in, PU and test replacement jts, RD tester, ND BOP, set TAC w/18K over, NU WH, chg over to rod handling tools, PU re-built RHAC pump, TIH w/rod configuration, seat pump, space out pump 24", hang well off, load tbg w/rig pump, check pump action, had good pump action, isolate well, RDMO.				8/31/2010

Wireline. 1/18/2011 07:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Run Gyro	Wireline	1/18/2011	1/18/2011	Pull rods and pump to run gyro to find bottom hole location.

Daily Operations	
1. Morning Shift (06:00 - 14:00)	2. Afternoon Shift (14:00 - 22:00)
3. Night Shift (22:00 - 06:00)	4. Weekend Operations
5. Emergency Response	6. Maintenance and Repairs
7. Inventory Management	8. Customer Service
9. Safety Protocols	10. Quality Control
11. Training and Development	12. Reporting and Documentation
13. Compliance and Regulations	14. Environmental Impact
15. Financial Management	16. Human Resources
17. Marketing and Sales	18. Research and Development
19. Logistics and Supply Chain	20. Information Technology
21. Legal and Regulatory Affairs	22. Public Relations
23. Environmental Health and Safety	24. Corporate Governance
25. Sustainability Initiatives	26. Innovation and Creativity
27. Risk Management	28. Strategic Planning
29. Business Development	30. Project Management
31. Operations Management	32. Quality Assurance
33. Production Management	34. Inventory Control
35. Logistics Management	36. Customer Relationship Management
37. Sales Management	38. Marketing Management
39. Finance Management	40. Human Resource Management
41. Information Management	42. Legal Management
43. Environmental Management	44. Safety Management
45. Compliance Management	46. Risk Management
47. Quality Management	48. Innovation Management
49. Project Management	50. Business Management

Start Date	Summary				End Date
1/18/2011	STP 180 psi, SCP 180 psi both open flowing to sales, SSCP 0 psi, shut pumping unit down and secure, MIRU Bayou rig #008, un-hang well, unseat pump, B&J Hot Oil hot oiled rods and tbgs w/25 bbls lease oil, hot oiled flowline w/15 bbls, POOH w/rod configuration to derrick, LD pump, RU MS Survey Services, ran Gyro taking surveys to 6700', RD wireline, PU replacement RHAC pump delivered out by Big Sky Energy, prime pump, TIH w/rod configuration, seat pump, long stroke pump having pump action at surface, space pump out 24", hang well off, isolate well, RDMO.				1/18/2011
	Tbg detail:	10.0' KB	10.0'	Rod detail: 1) 2' x 7/8" pony rod	
	209 jts 2 3/8" 4,7# J-55 EUE	6455.39'	6465.39'	1) 22' x 1 1/4" polish rod	
	TAC	3.0'	6468.39'	1) 6' x 7/8" pony rod	
	12 jts same tbgs	369.34'	6837.73'	1) 8' x 7/8" pony rod	
	Seatnipple	1.10'	6838.83'	89) 7/8" rods	
	MA, open ended and pinned	25.0'	6863.83'	175) 3/4" rods	
				8) K-bars	
				1) Hooks Tool	
				1) 3/4" x 3/4" pony rod	
				1) 2"x1 1/4"x16"x20' RHAC	

Testing, 4/20/2011 09:30

Job Category Testing	Primary Job Type Testing	Start Date 4/20/2011	End Date 4/26/2011	Objective Pull rods, raise tubing and swap out tubing head f/ 3 K- 5 K flanged style tubing head, monitor well bore pressure during Wilson #34-34H horizontal frac.
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## Well History

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### Daily Operations

Start Date	Summary	End Date																																
4/20/2011	<p>ITP-0 psi, ICP-0 psi and ISCP-0 psi, production blew pressure down prior to MI&amp;RU Bayou Rig #11. Unhang rods and remove head, unseat pump and lay down 1-6' &amp; 8' 7/8" sub and 2-7' 7/8" rods, hang rods off w/polish rod. B&amp;J Hot Oil Services loaded 60 bbls oil from production tank, MI&amp;RU hot oiler to casing and tubing, pump 30 bbls down casing and 30 bbls down tubing @ 190 degrees, RD and release hot oiler, lay down polish rod and pull rods.</p> <p>Rod details:</p> <ul style="list-style-type: none"><li>1) 2' x 7/8"</li><li>1) 22' x 1 1/4" polish rod w/ 1 1/2" liner</li><li>1) 4 x 7/8"</li><li>1) 6' x 7/8"</li><li>86) 7/8"</li><li>177) 3/4"</li><li>8) K-bars</li><li>1) Hooks tool</li><li>1) 2' x 3 4"</li><li>1) 2" x 1 1/4" x 16' x 20' RHAC pump</li></ul> <p>Change over to 2 3/8" equipment, ND production equipment on tubing head, unpack tubing head and pull tubing slips, break 3 K Well Head Inc. tubing head loose, stack tubing out on TAC, strip off 3 K tubing head and strip on New 5 K flange style tubing head f/ WB Supply, NU BOP and release TAC. Pull 92 jts to derrick, Est. EOT @ 4,000', ND BOP and NU top tubing head flange and install 2 3/8" 5 K master valve, SI well, Halliburton installed pressure recording instruments to record well bore pressure during Wilson #34-34H horizontal frac, SDFN.</p>	4/20/2011																																
4/25/2011	<p>Halliburton removed pressure monitor and down loaded information. ITP-Strong blow, ICP- Strong blow, finish TOO H to derrick w/ 2 3/8" production tubing, ND BOP and swap out 5 K tubing head w/ 3 K tubing head, NU BOP. MI&amp;RU Lightning Wire Line, run 1.50" weight bars tagging fill @ 6,924' KB (146' RH below Codell -9' of fill in RH) RD and release wire line, MI&amp;RU Pick Testers, TIH w/ Pinned MA-25.16', new 2 3/8" SN-1.10', 12 jts-372.11, TAC-3.00' and 209 jts-6,448.06', tested tubing to 6 K psi, split 2 jts, crimped 1-jt all other tubing tested good. Bad tubing =92.68' and new tubing = 94.64', ND BOP, install stripper rubber, set anchor and pull 15 K lbs over string weight, set slips and pack off tubing head. Change over to rod equipment,PU replacement RHAC pump delivered out by Big Sky Energy, prime pump, TIH w/rod configuration, seat pump, long stroke pump having pump action at surface, space pump out 24", hang well off, isolate well, SDFN.</p> <table><tr><td>Tbg detail:</td><td>10.0' KB</td><td>10.0'</td><td>Rod detail:</td></tr><tr><td>209 jts 2 3/8" 4.7# J-55 EUE</td><td>6,448.0'</td><td>6,458.0'</td><td>1) 2' x 7/8" pony rod</td></tr><tr><td>TAC</td><td>3.0'</td><td>6468.39'</td><td>1) 22' x 1 1/4" polish rod</td></tr><tr><td>12 jts same tbg</td><td>372.11'</td><td>6833.17'</td><td>3) 6' x 7/8" pony rod</td></tr><tr><td>Seasnipple</td><td>1.10'</td><td>6834.27'</td><td>89) 7/8" rods</td></tr><tr><td>MA, open ended and pinned</td><td>25.16'</td><td>6859.43'</td><td>175) 3/4" rods</td></tr><tr><td></td><td></td><td></td><td>8) K-bars</td></tr><tr><td></td><td></td><td></td><td>1) Hooks Tool</td></tr></table>	Tbg detail:	10.0' KB	10.0'	Rod detail:	209 jts 2 3/8" 4.7# J-55 EUE	6,448.0'	6,458.0'	1) 2' x 7/8" pony rod	TAC	3.0'	6468.39'	1) 22' x 1 1/4" polish rod	12 jts same tbg	372.11'	6833.17'	3) 6' x 7/8" pony rod	Seasnipple	1.10'	6834.27'	89) 7/8" rods	MA, open ended and pinned	25.16'	6859.43'	175) 3/4" rods				8) K-bars				1) Hooks Tool	4/25/2011
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4/26/2011	<p>ITP-0 psi, ICP-50 psi, B&amp;J Hot Oil loaded 60 bbls from production tank, loaded tubing w/ 12 bbls, pressure tubing to 500 psi, good test, release pressure and long stroke pump with rig, lost pressure, PU 1-6' x 7/8" pony sub and re space pump, reload and test pump to 300 psi, got a good test and pump action, hang rods off and release hot oiler, turn well over to production, RD and release rig.</p>	4/26/2011																																

### Tubing Repair, 6/13/2013 06:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 6/13/2013	End Date 6/19/2013	Objective Test tubing, and swap out pump.
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## Well History

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API 05123250050000	Surface Legal Location NENE 34 7N 63W			Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,735.00	Original KB Elevation (ft) 4,745.00	KB-Ground Distance (ft) 10.00	Spud Date 9/4/2007 14:45	Rig Release Date 9/7/2007 15:15	On Production Date 1/15/2008	

### Daily Operations

Start Date	Summary	End Date
6/13/2013	<p>ITP-0 psi, ICP-0 psi and ISCP-0 psi, production blew pressure down prior to MI&amp;RU Bayou Rig #004. Un Hang rods and remove head, unseat pump and lay down 3-6' &amp; 1- 8' 7/8" sub and 1-7 /8" rod, hang rods off w/polish rod. B&amp;J Hot Oil Services loaded 30 bbls oil from production tank, MI&amp;RU hot oiler to tubing, pump 30 bbls. down tubing @ 200 degrees, RD and release hot oiler, lay down polish rod and pull rods.</p> <p>Rod details:</p> <ul style="list-style-type: none"> <li>1) 2' x 7/8"</li> <li>1) 22' x 1 1/4" polish rod w/ 1 1/2" liner</li> <li>1) 8 x 7/8"</li> <li>3) 6' x 7/8"</li> <li>89) 7/8"</li> <li>158) 3/4"</li> <li>8) K-bars</li> <li>1) Hooks tool</li> <li>1) 2' x 3 /4"</li> <li>1) 2" x 1 1/4" x 12' x 16' RHAC pump</li> </ul> <p>Change over to 2 3/8" equipment, ND production equipment on tubing head, unpack tubing head and pull tubing slips NU BOP and release TAC. POOH tallying to the derrick 221 jts.. Tubing was landed @ 6,860.96' w/209 jts.-6453.89', TAC-3.14', 12 jts.-369.93', Seat nipple-1', MAC-25', and 8' adj. KB. MIRU Pick Testers. TIH testing to 6,000 psi., with same tubing configuration but with a new TAC. Found 2 holes and split 8 jts.. RD tester. Shut in and secured the well for the night.</p>	6/13/2013
6/14/2013	<p>No pressure @ WH. PU 10 jts. to replace bad jts.. Tubing is landed @ 6,866.96', w/209 jts.-6,453.89', TAC-3.14', 12 jts.-375.93', SN-1', MAC-25' and 8' adj. KB. ND BOP and RU rod equipment. PU replacement RHAC pump delivered out by Big Sky Energy, prime pump, TIH w/rod configuration, seat pump, long stroke pump having pump action at surface, space pump out 18", hang well off, isolate well, RDMO.</p> <p>Rod detail:</p> <ul style="list-style-type: none"> <li>1) 2' x 7/8" pony rod</li> <li>1) 22' x 1 1/4" polish rod</li> <li>3) 6' x 7/8" pony rod</li> <li>2) 8' x 7/8" pony rod</li> <li>89) 7/8" rods</li> <li>175) 3/4" rods</li> <li>8) K-bars</li> <li>1) Hooks Tool</li> <li>1) 3/4" x 3/4" pony rod</li> <li>1) 2"x1 1/4"x12'x16' RHAC</li> </ul>	6/14/2013
6/18/2013	<p>ITP-0 psi, ICP-0 psi and ISCP-0 psi, production blew pressure down prior to MI&amp;RU Bayou Rig #004. Un Hang rods and remove head, unseat pump and lay down 3-6' &amp; 2- 8' 7/8" sub and and pulled rods to the derrick. Shut in and secured the well for the night.</p> <p>Rod details:</p> <ul style="list-style-type: none"> <li>1) 2' x 7/8"</li> <li>1) 22' x 1 1/4" polish rod w/ 1 1/2" liner</li> <li>1) 8 x 7/8"</li> <li>3) 6' x 7/8"</li> <li>89) 7/8"</li> <li>158) 3/4"</li> <li>8) K-bars</li> <li>1) Hooks tool</li> <li>1) 2' x 3 /4"</li> <li>1) 2" x 1 1/4" x 16' x 20' RHAC pump</li> </ul>	6/18/2013
6/19/2013	<p>No pressures at the well head. PU replacement RHAC pump delivered out by Big Sky Energy, prime pump, TIH w/rod configuration, seat pump, long stroke pump having pump action at surface( press. up to 500 psi.), space pump out 18", hang well off, isolate well, RDMO.</p> <p>Rod detail:</p> <ul style="list-style-type: none"> <li>1) 2' x 7/8" pony rod</li> <li>1) 22' x 1 1/4" polish rod</li> <li>3) 6' x 7/8" pony rod</li> <li>2) 8' x 7/8" pony rod</li> <li>89) 7/8" rods</li> <li>175) 3/4" rods</li> <li>8) K-bars</li> <li>1) Hooks Tool</li> <li>1) 3/4" x 3/4" pony rod</li> <li>1) 2"x1 1/4"x12'x16' RHAC</li> </ul>	6/19/2013





## Well History

Well Name: Wahlert 41-34

API 05123250050000	Surface Legal Location NENE 34 7N 63W		Field Name Wattenberg		State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,735.00	Original KB Elevation (ft) 4,745.00	KB-Ground Distance (ft) 10.00	Spud Date 9/4/2007 14:45	Rig Release Date 9/7/2007 15:15		On Production Date 1/15/2008

### Job

#### Mechanical Integrity Test, 2/18/2016 10:30

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 2/18/2016	End Date 2/22/2016	Objective PULL RODS AND PUMP, PERFORM MIT, RUN REPLACEMENT PUMP, RETURN TO PRODUCTION
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### Daily Operations

Start Date	Summary	End Date
2/18/2016	MIRU ENSIGN RIG 313. HELD SAFETY MEETING. ITP: 50 PSI ICP: 50 PSI ISCP: 0 PSI RIGGED UP PUMP AND LINES. TESTED LINES TO 2000 PSI. UNHUNG RODS. UNSEATED PUMP, LD 3 7/8" RODS. B&J HOT OILER LOADED 35 BBLS OF OIL FROM PRODUCTION TANK. HOT OILED RODS WITH 35 BBLS OF OIL. RDMO HOT OILER. POOH WITH 2-8' X 7/8", 3-6' X 7/8, 89-7/8" RODS, 175-3/4" RODS, 8-1-1/2" K-BARS, HOOKS TOOL, 2' X 3/4" PONY AND 2 X 1-1/4 X 12 X 16 RHAC PUMP. (STUCK OPEN) ND WELLHEAD. FUNCTION TESTED AND NU BOPS. RELEASED TBNG ANCHOR. SECURED WELL. SDFD	2/18/2016
2/19/2016	TP: 0 PSI CP: 0 PSI HELD SAFETY MEETING. TALLY OUT OF HOLE WITH 207 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG, ANCHOR/CATCHER, 14 JNTS OF 2-3/8" TBNG, SEAT NIPPLE AND MUD ANCHOR (slotted and pinned). PU 3-7/8" BIT AND STS 4-1/2" 10.5# CASING SCRAPER. MIRU PICK TESTERS. TESTED IN HOLE TO 6000 PSI WITH 221 JNTS OF 2-3/8" TBNG. ALL TBNG TESTED GOOD. RDMO TESTER. PU 3 TAG JNTS AND TAGGED FILL WITH 97' AT 6956.13' KB. LD TAG JNTS. ROLLED OIL AND GAS OUT OF HOLE. POOH TO DERRICK WITH TBNG. LD BIT AND SCRAPER. PU STS 4-1/2" 10.5# RBP AND RIH. SET RBP AT 6457.38' KB. LD 1 JNT. ROLLED HOLE CLEAN. TESTED CASING TO 500 PSI FOR 15 MINUTES. HELD GOOD. BLEED OFF PRESSURE. LD 3 JNTS. SECURED WELL. SDFD	2/19/2016
2/22/2016	TP: 0 PSI CP: 0 PSI MIRU PICK TESTERS. PERFORMED MIT TESTING AND CHARTING CASING TO 524 PSI FOR 15 MINUTES. GAINED 1 PSI IN 15 MINUTES. GOOD TEST. RDMO TESTER. RELEASED RBP AND POOH WITH 208 JNTS. RIH WITH MUD ANCHOR (slotted and pinned), SEAT NIPPLE, 13 JNTS OF 2-3/8" 4.73 J-55 8RD EUE TBNG, ANCHOR/CATCHER AND 208 JNTS OF 2-3/8" TBNG. ND BOPS. SET TBNG ANCHOR AND LANDED TBNG AT 6890.73' KB WITH 15K OVER. PRIMED PUMP AND RIH WITH ROD STRING AS FOLLOWS:  1 - 2' X 7/8" PONY 22' X 1-1/4" POLISHED ROD W/1-1/2" LINER 1 - 8' X 7/8" PONY 90 - 7/8" RODS 175 - 3/4" RODS 8 - 1-1/2" K-BARS 1 - 3/4" HOOKS TOOL 1 - 2' X 3/4" PONY 2 X 1-1/4 X 12 X 16 RHAC PUMP  HANG HORSES HEAD. MIRU B&J HOT OILER. TANK BOTTOM DIRTY SO LOADED 20 BBLS OF WATER FROM RIG TANK. LOADED TBNG WITH 4 BBLS AND TESTED PUMP TO 500 PSI FOR 15 MINUTES. HELD GOOD. BLEED PRESSURE BACK TO TRUCK. LONGSTROKED PUMP TO 500 PSI WITH RIG. GOOD PUMP ACTION. BLEED OFF PRESSURE. RDMO B&J. SPACED PUMP 10" FROM TAG AND HUNG OFF. TURNED WELL OVER TO PRODUCTION. PREPARED TO RIG DOWN. SDFD	2/22/2016