



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 328 s. (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: 05-123-25043

Field Name: Wattenburg

Field Number: 90750

Well Name: Kohlhoff

Number: 44-2

Location (QtrQtr, Sec, Twp, Rng, Meridian):

Complete the Attachment Checklist

	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 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)

Niobrara

Codell

Perforated Interval:

6645' - 6651'

☐ NA

Open Hole Interval:

☒ NA

6820' - 6826'

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 @ 6612.71' KB

Tubing Casing/Annulus Test

☐ NA

Tubing Size:

2 3/8"

Tubing Depth:

6597'

Top Packer Depth:

N/A

Multiple Packers?

☐ YES

☒ NO

Test Data

Test Date

11-5-15

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

525

Casing Pressure - 5 Min.

529

Casing Pressure - 10 Min.

529

Final Casing Test Pressure

529

Pressure Loss or Gain During Test

4 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

☐ 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:

Date: 11-5-15

OGCC Approval:

Title:

Date:

Conditions of Approval, if any:

Pick Testers
Sterling,CO 80751

Guy Dove
970-520-2769

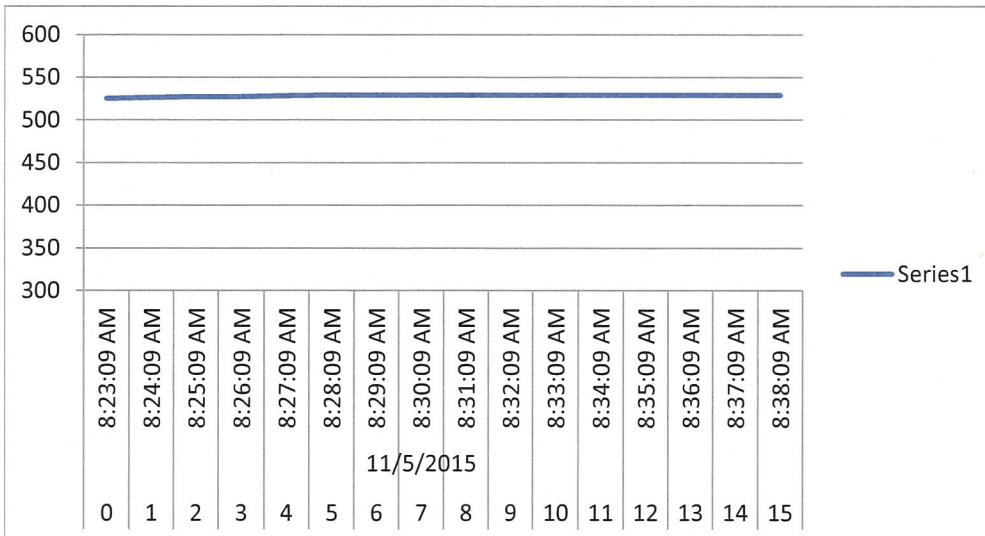
Kohlhoff 44-2
MIT

Bud Holman

API# 05-123-25043

Interval: 60 Seconds

DataPoint	LogDate	LogTime	2-P PSI
0		8:23:09 AM	525
1		8:24:09 AM	526
2		8:25:09 AM	527
3		8:26:09 AM	527
4		8:27:09 AM	528
5		8:28:09 AM	529
6		8:29:09 AM	529
7	11/5/2015	8:30:09 AM	529
8		8:31:09 AM	529
9		8:32:09 AM	529
10		8:33:09 AM	529
11		8:34:09 AM	529
12		8:35:09 AM	529
13		8:36:09 AM	529
14		8:37:09 AM	529
15		8:38:09 AM	529





Well History

Well Name: Kohlhoff 44-2

API 05123250430000	Surface Legal Location SESE 2 6N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,830.00	Original KB Elevation (ft) 4,841.00	KB-Ground Distance (ft) 11.00	Spud Date 10/6/2007 13:00	Rig Release Date 10/11/2007 00:00
			On Production Date 4/17/2008	

Job

Drilling - original, 10/6/2007 13:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 10/6/2007	End Date 10/11/2007	Objective Drill New Codell Well
--------------------------	---	-------------------------	------------------------	------------------------------------

Daily Operations

Start Date	Summary	End Date
10/6/2007	Ensign Rig 31 spud at 13:00 hours 06-Oct-07. Drilled 12-1/4" surface hole to 597'. Ran 13 joints 8-5/8", 24#/ft casing (575') set at 585' KB. Cemented by Cementers Energy with 410 sacks Class "G" + 3% CaCl ₂ + 1/4# celloflake/sk (15.6 ppg, 1.18 ft ³ /sk). Plug down at 00:30 hours 07-Oct-07. Circulated cement. Currently NU BOP. Daily Cost \$160,061 Cost to Date \$160,061 DHC \$169,000 AFE Est. Cost \$505,000	10/7/2007
10/7/2007	NU BOP. Tested BOP and casing to 500 psig. Currently drilling at 3332' (2735'). 7-7/8" Bit #1:FM2565Z. Drilling with water. Defls: 1.25 at 1522', 2.25 at 2030', 3.00 at 2507', 3.25 at 2728', 3.25 at 3014', 3.75 at 3268'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500').	10/8/2007
10/8/2007	Drilling at 4509' (1177'). 7-7/8" Bit #1:FM2565Z. Drilling with water. Defls: 4.00 at 3587', 3.00 at 3903', 3.75 at 4159', 4.00 at 4255', 3.25 at 4350'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500'). Daily Cost \$ -0- Cost to Date \$160,061 DHC \$169,000 AFE Est. Cost \$505,000	10/9/2007
10/9/2007	Drilled to 4891'. TOH for new bit. TIH. Currently drilling at 6002' (1493'). 7-7/8" Bit #2:MI519. Drilling with water. Defls: 3.00 at 4668', 3.75 at 4891', 3.75 at 5081', 2.75 at 5335', 1.55 at 5843'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500'). Daily Cost \$ -0- Cost to Date \$160,061 DHC \$169,000 AFE Est. Cost \$505,000	10/10/2007
10/10/2007	Drilled to 6989' TD (987'). 7-7/8" Bit #2:MI519. Mud wt. 9.1; visc. 39. Defls: 1.00 at 6130', 1.00 at 6989'. BHA: Bit, motor, 10 - 6" DC's and 6 joints HWDP (500'). Made short trip above Niobrara. C&C mud. LDDP. PSI currently logging from 6987'. Note: Reached TD at 18:00 hours 10-Oct-07. Daily Cost \$ -0- Cost to Date \$160,061 DHC \$169,000 AFE Est. Cost \$505,000	10/11/2007
10/11/2007	PSI ran DIL, CDL, CNL, GR from 6987'. Ran 4-1/2" casing and cemented, detailed report to follow. Rig released at 14:45 hours 11-Oct-07. Casing report: Run 165 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 6941.12' landed @ 6954.70' w 12' landing jt in. Shoe 1.58', shoe jt 14.00', 10 jts 421.55', marker jt 14.08', 153 jts 6448.64'. PBDT 6939.12'. Tagged with 33' of tag jt. 5 jts left on rack total 211.48', which will be moved to next well. Ran 10 centralizers on bottom every other jt TD to 6167'. Cement report: Halliburton Services pump 20 bbls Clafix water, 24 bbls mud flush, followed by 20 bbls Clayfix water spacer. Mix and pump 540 sx HLC STD 65% CMT, 35% POZ, 10% Gel, 0.5% Econolite, 0.2% D-Air, 5#/sk Silicate, 341 bbls slurry mixed @ 11.0 ppg for a yield of 3.27. Cement covers from Surface to 6050' w/ 10% excess. Then mix and pump Tail cement 140 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, 41 bbls slurry mixed @ 14.6 ppg for a yield of 1.64. Cement covers from 6050' to TD w/ 0% excess. Displace w/ 108 bbls Clayfix wtr. Bump plug w/ 2500 psi, held.	10/12/2007

Initial Completion, 4/1/2008 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 4/1/2008	End Date 4/14/2008	Objective Complete Codell well
-------------------------------------	--	------------------------	-----------------------	-----------------------------------

Daily Operations

Start Date	Summary	End Date
4/1/2008	MIRU Nuex Wireline: Ran GR/VDL/CBL log finding PBDT @ 6925' and Cement Top @ Surface. Good cement bond on cement slurry. Perforated the Codell formation from 6820'- 6826' (2 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration) (12 holes). Perforated Niobrara formation from 6645'-6651' (2 spf, "Slickgun Hero shots" 21 gram charges, 0.39 entry holes, and 30.92" penetration) (12 holes). 24 holes total. Prepared well for Niobrara/Codell Limited Entry stimulation.	4/1/2008
4/2/2008	Codell /Niobrara Limited Entry: MIRU HES. Well was loaded. Breakdown at 3068 psi @ 4.8 bpm with 17 bbls clayfix water. Ballout with 50 bio-ball sealers and 1000 gallons of 15% HCl acid. Shutdown. (ISDP 2469 psi) (FG .80) Allowed balls to drop for approximately 15 minutes and proceeded remainder of treatment. Pumped 1078 bbls Slickwater pad, 717 bbls of SilverStim 22# X-Linked pad, 430 bbls of 1.0 ppg 20/40 slurry with 22# SilverStim, 598 bbls of 2.0 ppg 20/40 slurry with 22# SilverStim, 816 bbls of 3.0 ppg 20/40 slurry with 22# SilverStim, 1021 bbls of 4.0 ppg 20/40 slurry with 22# SilverStim, 125 bbls of 4.0 ppg 12/20 SB Excel slurry with 22# SilverStim. Flushed well to top of Niobrara perf (106 bbls) Shutdown (ISDP 2735 psi) (FG .85). 20/40 white sand (335880 lbs) 12/20 SB Excel proppant (16000 lbs). Fluid contained the flowing chemicals: 1.0 gpt Clayfix II, 6.5 gpt LGC-6, 0.5 gpt CL-37, 0.3 gpt CL-23, 0.5 - 1.0 gpt BA-40, 1.5 gpt GasPerm 1000, 5.0 gpt Vicon NF, 0.25 -0.75 gpt CAT-3, 0.25, 0.5 gpt CAT-4, 1.0 - 2.0 gpt FR-56. RD HES, turned well on to flowback. MTP = 4280 psi, ATP = 3875 psi, AIR = 51.1 bpm. Operationally treatment went well. Pressure response was flat during the entire treatment. Well turned on for flowback on a 14/64" choke. Frac via 4 1/2" casing.	4/2/2008



Well History

Well Name: Kohlhoff 44-2

API 05123250430000	Surface Legal Location SESE 2 6N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,830.00	Original KB Elevation (ft) 4,841.00	KB-Ground Distance (ft) 11.00	Spud Date 10/6/2007 13:00	Rig Release Date 10/11/2007 00:00
On Production Date 4/17/2008				

Daily Operations

Start Date	Summary	End Date
4/9/2008	SCP 0#s, MIRU Ensign #313, pump & tank. ND flow back iron & 4 1/2" frac valve, install new 4 1/2" X 2 3/8" 3K mandrell style Well Head INC. tubing head, NU BOP, RU pump suction to back side valve, PU 2 3/8" NC/SN, TIH PU & talling 2 3/8" 4.7# EUE 8rd tubing circulating oil out every 30 Jts, tagged fill @ 6831.30'KB W/ 221Jts, lay down 5 Jts, SI well W/ 216 jts @6692.40' KB, SDFN.	4/9/2008
4/10/2008	STP 250#s, SCP 250#s, open well up & blow well down to RT, roll oil & gas out, RU JU head, PU tag Jts & tag fill @6831.30' KB, break circulation & clean out to PBTD @6941.14'KB W/21.23' in on Jt 224 W/ SN & KB, circulate tubing clean, lay down 3 Jts, RD JU head & TOO H W/ 221 Jts & SN. TIH W/slotted & pinned mud anchor-25.06',SN-1.60', 8 Jts-248.71, anchor catcher-3.10', 213 Jts-6597.57'. Tubing is landed @6886.04' KB W/7K Lbs of stretch pulled into tubing, (SN depth=6869.38' KB, anchor catcher depth=6607.57' KB), ND BOP, pack tubing head off, SI well & SDFN.	4/10/2008
4/11/2008	STP 50#s, SCP 50#s, Open well up to RT & blow well down, change equipment over to rods assemble 22' x 1 1/4" polish rod W1 1/4" x 1 1/2" x 10' polish rod liner, assemble & install 2 3/8" x 3" flow T, PU 2 x 1 1/4 x12 x 16 Top hole down insert pump W/ 2' -3/4" pony sub, PU & run 185- 3/4" rods, 89-7/8" rods & 1-6' 7/8" pony sub, PU 22' polish rod & space pump 18" off bottom, hang rods off on horses head, start unit & check for pump action-good pump action, SI well, SDFW.	4/11/2008
4/14/2008	Road crew to location, rack pump & tank, RD rig & clean location, Rocky Mountain Solutions cleaned work tank, move to Mellon #28-2, FINAL REPORT.	4/14/2008

Pump Repair, 8/17/2011 06:00

Job Category Completion/Workover	Primary Job Type Pump Repair	Start Date 8/17/2011	End Date 8/18/2011	Objective Lay down rods and tubing, run a gyro and prepare for Brown horizontal frac.
-------------------------------------	---------------------------------	-------------------------	-----------------------	--

Daily Operations

Start Date	Summary	End Date
8/17/2011	ITP-25 psi, ICP-50 psi, ISCP-0 psi, MI&RU Basic Energy Services. Un-hang rods, lay down horses head, un-seat pump, lay down 1-6' x 7/8" sub and 1- 7/8" rod. PU polish rod, MI&RU B&J Hot Oil Services (loaded 50 bbls oil from production tank), pumped 20 bbls hot down casing and 30 bbls down tubing, RD and release hot oiler. Lay down polish rod, TOO H laying down rod string. Pulled 1-6' 7/8" sub, 89- 7/8" rods, 185- 3/4" rods, 1-2' 3/4" sub and 1 1/4" pump. SI well and secure, SDFN.	8/17/2011
8/18/2011	ITP-0 psi, ICP- 20 psi, blow well down to production tank. Unpack tubing head and pull tubing slips, release TAC and TOO H laying down tubing on tubing sills, pulled 213 jts, TAC, 8 jts, SN and MA, ND BOP and tubing head, istall 5 K frac vavle, SI well and secure, RDMOL.	8/18/2011
10/21/2011	ICP-500 psi, ISCP-0 psi, MI&RU Basic Energy Services Rig #1557, RU pump line to frac valve, blow casing down to RT and controll well w/15 Bbls 2 % claytreat w/biocide, ND frac valve and NU original 4 1/2" x 2 3/8" 3 K WH Inc. tubing head and BOP, SI well and secure, change over to tubing equipment, SDFWE.	10/21/2011
10/24/2011	CP-light blow psi, blow casing down to RT, MI&RU Pick Testers. Tally BHA equipment, TIH tallying and pressure testing 2 3/8" J-55 4.7 lb/ft EUE 8rd tubing to 6 K psi, ran slotted and pinned mud anchor-25.20', new 2 3/8" standard seat nipple-1.10 (6.859.91'), 8 Jts-248.73', TAC-3.07' (6.608.11), 213 Jts-6.598.11', tested 213 Jts, all tubing tested good. RD tester and release, ND BOP, install new stripper rubber, set anchor 16 K lbs over string weight, set slips and pack off tubing head. Change over to rod equipment. PU RHAC 2 x 1 1/4 x 12 x 16 insert pump w/ 1-2' 3/4" sub and 3/4" back off tool , prime pump w/ diesel. TIH picking up K Bars and rods off the ground, ran 8-1 1/2" K Bars, 185 -3/4" and 89-7/8" rods, PU 1 1/2" polish rod, shut in well and secure, SDFN. shut in well and secure, SDFN.	10/24/2011

Pump Repair, 12/19/2011 00:00

Job Category Completion/Workover	Primary Job Type Pump Repair	Start Date 12/19/2011	End Date 12/19/2011	Objective Pump change
-------------------------------------	---------------------------------	--------------------------	------------------------	--------------------------

Daily Operations

Start Date	Summary	End Date
12/19/2011	ITP- light blow, psi, ICP-250 psi, MI&RU Bayou Rig #014. Unhang rods and unseat pump, tubing went on a vacume, lay down polish rod. TOO H with 89-7/8", 185-3/4", 8-1 1/2" K-Bars, 3/4" hookstool,1-2' x 3/4" sub and RHAC pump. Long stroked pump w/diesel and found a hole in the upper valve above the strainer nipple, lay down pump. PU rebuilt pump and prime, TIH with same rod configuration. PU polish rod, seat pump. B&J Hot Oil Services loaded 40 bbls production oil from tank battery, RU to tubing and load tubing w/12 bbls, pressure test tubing to 500 psi-good test, bleed pressure back to 200 psi, long stroke pump w/ rig, pressure built back up to 500 psi, release pressure and pump the remaining oil back through the flow line h, RD and release hot oiler. space pump out 18" off bottom and hang rods off. RDMOL, turn well over to production.	12/19/2011

Pump Repair, 4/24/2013 12:00

Job Category Completion/Workover	Primary Job Type Pump Repair	Start Date 4/24/2013	End Date 4/26/2013	Objective Pump change
-------------------------------------	---------------------------------	-------------------------	-----------------------	--------------------------

Daily Operations

Start Date	Summary	End Date
4/24/2013	ITP-700 psi, ICP-100 psi and ISCP-0 psi, MI&RU Bayou Rig #008 with pump and tank. Change equipment over to rods, unhang rods and unseat pump, pulled 4 K over string weight to unseat pump, lay down polish rod, laid down 2 rods, picked up polish rod and prepared to hot oil tubing and rods. B&J Hot Oil loaded 40 bbls produced ol out of production tank, pumped 40 bbls down tubing to clean rods and tubing, RD and release hot oiler, SI and secure well, SDFN.	4/24/2013



Well History

Well Name: Kohlhoff 44-2

API 05123250430000	Surface Legal Location SESE 2 6N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,830.00	Original KB Elevation (ft) 4,841.00	KB-Ground Distance (ft) 11.00	Spud Date 10/6/2007 13:00	Rig Release Date 10/11/2007 00:00
			On Production Date 4/17/2008	

Daily Operations

Start Date	Summary	End Date																		
4/25/2013	<p>STP 0 psi, SCP 0 psi csg, POOH w/rod detail and pump (1-2"x1 1/4"x12x16' pump, 1-2- 3/4" pony, 8- 1 1/2" K bars, 89- 7/8" rods, 185- 3/4" rods, 22'- 1 1/2" polish rod, 1-2'- 3/4" pony), chg over to tbg handling tools, ND WH, release tbg anchor, NU BOPs. PU TIH w/ 2 tag jts. tagging PBTD @ 6925.64' (64' of rat hole from EOT), LD tag jts, POOH to derrick, tallying out w/ 221 jts landed @ 6861.64', TIH w/ production tbg detailed for rod pump w/rebuilt TAC, tested production tbg to 6000 psi, all jts tested good, had two crimp jts, RD released tester, ND BOP's, set anchor (20K over), NU WH, chg over to rod handling tools, SI and isolated well, drained lines, prepared for next day operations. SDFN</p> <p>Tbg detail:</p> <table><tr><td>213 jts 2 3/8" 4.7# J-55 EUE 8rd</td><td>10' KB</td><td>10.00'</td></tr><tr><td>TAC</td><td>6573.54'</td><td>6583.54'</td></tr><tr><td>8 jts (same tbg)</td><td>3.07'</td><td>6586.61'</td></tr><tr><td>Seatnipple</td><td>254.73'</td><td>6841.34'</td></tr><tr><td>Mud anchor (slotted and pinned)</td><td>1.10'</td><td>6842.44'</td></tr><tr><td></td><td>25.20'</td><td>6867.64'</td></tr></table>	213 jts 2 3/8" 4.7# J-55 EUE 8rd	10' KB	10.00'	TAC	6573.54'	6583.54'	8 jts (same tbg)	3.07'	6586.61'	Seatnipple	254.73'	6841.34'	Mud anchor (slotted and pinned)	1.10'	6842.44'		25.20'	6867.64'	4/25/2013
213 jts 2 3/8" 4.7# J-55 EUE 8rd	10' KB	10.00'																		
TAC	6573.54'	6583.54'																		
8 jts (same tbg)	3.07'	6586.61'																		
Seatnipple	254.73'	6841.34'																		
Mud anchor (slotted and pinned)	1.10'	6842.44'																		
	25.20'	6867.64'																		
4/26/2013	<p>SCP 0 psi, STP 0 psi, TIH with 8- 1 1/4" K bars and 185- 3/4" rods, 89- 3/4" rods, 1-4' 7/8" ponies, seat pump, space pump out (12"), loaded tubing w/ rig pump, long stroke pump, had good pump action, built pressure to 500 psi, hang well off, isolate well, RDMO.</p> <p>Rod detail: 1 - 2' x 7/8" pony rod 1 - 22' x 1 1/4" polish rod 1 - 4' x 7/8" pony rod 89 - 7/8" rods 185- 3/4" rods 8- 1 1/4" K bars 1 - 2'x 3/4" pony rod RHAC 2 x 1 1/4" x 12 x 16</p>	4/26/2013																		

Pump Repair, 10/3/2013 12:00

Job Category Completion/Workover	Primary Job Type Pump Repair	Start Date 10/3/2013	End Date 10/7/2013	Objective Pump change, and tubing repair.
-------------------------------------	---------------------------------	-------------------------	-----------------------	--

Daily Operations

Start Date	Summary	End Date
10/3/2013	ITP-0, ICP-0, ISCP-0. Held safety meeting. MIRU Bayou Rig 004. Change over equipment to pull rods. Unhang rods and lay down horses head. Unseat pump and lay down polish rod and 1 pony 4' x 7/8" rods . POOH 89 - 7/8" sucker rods, 177 - 3/4" sucker rods, 8 k bars, hooks tool, 2' pony and pump. Change equipment to pull tubing and function tested BOPE. Nipple down raticon and well head. Released tubing anchor and NU BOP. Shut in and secured the well for the night.	10/3/2013
10/4/2013	ITP-0, ICP-50, ISCP-0. Open up well and blew down to RT. MIRU Pick testers. POOH scanning and tallying 221 jts. to the derrick. Anchor was after jt. #213. Found 30 bad jts.. Rig down tester. Laid down seat nipple and mud anchor. Shut down due to wind. Shut in and secured the well for the weekend.	10/4/2013
10/7/2013	<p>No press. @ WH. MIRU Pick Testers. PU mud anchor, and new seat nipple. TIH, testing, to 6,000 psi., and tallying 9 jts. and picked up tubing anchor. TIH testing, to 6,000 psi., and tallying 180 jts.. All jts. tested good. RD tester. Spot in float with new tubing from premier pipe. TIH tallying from the float with 30 jts.. Tubing anchor is set @ 6,696.81', and tubing is landed @ 6,878.74' w/210 jts.-6,683.81', mud anchor-3', 9 jts.-281.07', seat nipple-1.1', mud anchor-25.23', and 10' adj. KB..(All tubing is 2 3/8" 4.7# J-55 EUE) Nipple down BOP and set tubing anchor. Nipple up well head. Change over equipment to run rods. TIH w/pump, 2' - 3/4" pony, hooks tool, 8- 1 1/2" k bars, and 177-3/4" sucker rods, 89- 7/8" sucker rods, 3- pony sucker rods (8',6',&4'). RD rod table. PU polish rod and new stuffing box. Seated pump and long stroked. Pressured up to 500 psi.. Released pressure and spaced out pump. Pump is spaced out 15" from tag. PU horses head and hung off rods. Ran pump and everything was running normal. RDMOL.</p> <p>Tubing detail:</p> <p>1 - 1 1/4" polish rod w/1 1/2" liner 3 - Pony sucker rods (8',6', &4') 89 - 7/8" sucker rods 177- 3/4" sucker rods 8 - 1 1/2" K bars 1- Hooks tool 1- 2' - 3/4" pony sucker rods 1- 2 x 1 1/4" x 12 x 16 RHAC pump</p>	10/7/2013

Wellbore Integrity, 6/22/2015 06:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 6/22/2015	End Date	Objective Pressure test casing ahead of horizontal fracs.
-------------------------------------	--	-------------------------	----------	--



Well History

Well Name: Kohlhoff 44-2

API 05123250430000	Surface Legal Location SESE 2 6N 63W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,830.00	Original KB Elevation (ft) 4,841.00	KB-Ground Distance (ft) 11.00	Spud Date 10/6/2007 13:00	Rig Release Date 10/11/2007 00:00
			On Production Date 4/17/2008	

Daily Operations

Start Date	Summary	End Date
6/22/2015	MIRU Ensign 356. Spot in equipment. Held safety meeting and function test BOPs. RU. RU Pump and tank, ITP 200-psi, ICP 400-psi. ISCP 0-psi. Blow down well to flat tank. Unhang pumping unit. Unseated Rod pump and LD polish rod. LD 4 7/8' rods. PU polsi rod. RU Hot oiler and pumped 35 bbls oil in throug tubing. hot oiled rods. RD Hot oil truck. LD Polish rod and TOOHH laying down rods on tubing seals. LD total- 1 - 1 1/4" polish rod w/1 1/2" liner ,4' Pony, 6' Pony, 89 - 7/8" sucker rods, 177- 3/4" sucker rods, 8 - 1 1/2" K bars, 1- Hooks tool, 1- 2' - 3/4" pony sucker rods 1- 2 x 1 1/4" x 12 x 16 RHAC pump. ND Flot tee. ND 3K WH, NU new 5K wellhead and casing valves. Unset tubing anchor. NU BOPs. TOOHH Standing back 211 jts 2 3/8", TA, 9 jts 2 3/8", SN, 25' MA. SWI, Secure well and crew to yard.	6/22/2015
6/23/2015	Crew on location. Held safety meeting. ICP 0-psi. ISCP 0-psi. Open well to flat tank. RU Hydrotester. PU 3 7/8" bit/scraper and TIH out of derrick hydrotesting to 6500# psi. 220 jts 2 3/8" . had 1 bad jt. RD Hydrotester. TOOHH Standing back 220 jts . LD bit/scraper. PU 4 1/2" RBP and TIH out of derrick w/ 211 jts 2 3/8". Set RBP at 6593.33'. Load tbng/csg. Establish circulation. Circulate gas out of well. RU Hydrotest truck. Pressure test casing to 4500# psi. Hold pressure fopr 15 minutes and got a good test. Bleed off pressure. Release RBP and TOOHH Standing back 30 jts. SWI. SDFN. Crew to yard.	6/23/2015
6/24/2015	ITP 0 psi, ICP 0 psi, ISCP 0 psi, open well, finish tripping out of the hole, LD RBP, PU 2 3/8 mud anchor, 2 3/8 seat nipple, ran 9 jts of 2 3/8 J-55 4.7, 4 1/2 tubing anchor, ran 194 jts of 2 3/8 above the anchor, leaving EOT at 6374.66 KB with total of 203 jts in the hole which is 270.34' above the top perfs, ND BOP, Installed 5K top flange and 2 3/8 master valve, SI and secure well, rack pump and tank, RDMOL, SD. Left on the ground on location. 89 7/8 rods 177 3/4 rods 8 K bars 16 good jts of 2 3/8 J-55 1 bad jt of 2 3/8 J-55	6/24/2015

Wellbore Integrity, 11/4/2015 10:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 11/4/2015	End Date	Objective Wellbore integrity prep for Noble, Perform MIT
-------------------------------------	--	-------------------------	----------	---

Daily Operations

Start Date	Summary	End Date
11/4/2015	ITP: 300 psi ICP: 350 psi ISCP: 0 psi Held safety meeting. MIRU Ensign Rig 313. RU Pump and Tank. Tested lines to 2000 psi. Blew well down to rig tank. Controlled well with 60 bbls of Clayfix/Biocide water. ND wellhead. Function tested and NU BOPs. PU 2-3/8" tag jnts and tagged with 10' of 19th jnt. LD 11 tag jnts. TOOHH with 202 jnts of 2-3/8" 4.7# J-55 8rd eue tbng, tbng anchor, 9 jnts of 2-3/8" tbng, SN and mud anchor. Tag was at 6939.03' kb. PU STS 4-1/2" 10.5# WLTC RBP and RIH with 212 jnts of 2-3/8" tbng. Set RBP at 6612.71' kb. LD 1 jnt. Rolled hole clean. Tested casing to 690 psi for 15 minutes with rig pump. Held good. Bled off pressure. Drained pump and lines. Secured well. SDFD	11/4/2015
11/5/2015	TP: 0 psi, CP: 0 psi, SCP: 0 psi, Held safety meeting. Opened well to rig tank, MIRU Pick Testers. Pressured casing to 525 psi. Held and charted pressure for 15 mins. 4 psi pressure gain, Good test, Bled off pressure. RD hydrotester. State Representative was not on location to witness test. Pressured casing to 2500 psi with rig pump and held for 15 minutes. No pressure loss. Bled off pressure. Released RBP, TOOHH standing back in derrick, LD tools, TIH with 25' mud anchor, SN, 9 jnts of 2-3/8" 4.7# J-55 8rd eue tbng, tbng anchor and 194 jnts of 2-3/8" 4.7# J-55 8rd eue tbng. ND BOP. Did NOT set TAC. Land tbng in WH at 6372.52' KB. (272.48' above top Niobrara Perf) NU 5K wellhead. Installed master valve. RDMO Tbg detail: 194 jnts of 2-3/8" 4.7# J-55 8rd eue tbng 6054.03' 6064.03' Tbng Anchor 3.00' 6067.03' 9 jnts 2-3/8" 4.7# J-55 8rd eue tbng 279.17' 6346.20' Seat Nipple 1.10' 6347.30' Mud Anchor (slotted and pinned) 25.22' 6372.52' KB	11/5/2015