

# 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 320 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		
Cement Bond Log		
Tracer Survey		
Temperature Survey		

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: 05-123-14026 Field Name: WATKINSON Field Number: 90750  
 Well Name: CLEMENS Number: 42-3  
 Location (Qtr, Sec, Twp, Rng, Meridian): SE/NE Sec. 3 T5N R64W

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) Niobrara Cedell	Perforated Interval: <input type="checkbox"/> NA 6519'-6719' 6800'-6814'	Open Hole Interval: <input checked="" type="checkbox"/> NA	Use when perforations or open hole is isolated by bridge plug or cement plug Bridge Plug or Cement Plug Depth RBP 6475' KB	
Tubing Casing/Annulus Test <input type="checkbox"/> NA				
Tubing Size: 2 3/8"	Tubing Depth: 6455'	Top Packer Depth:	Multiple Packers? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Test Data				
Test Date: 10-21-15	Well Status During Test: SI	Date of Last Approved MIT: Not Available	Casing Pressure Before Test: 0	Initial Tubing Pressure: 0
Starting Casing Test Pressure: 520	Casing Pressure - 5 Min.: 519	Casing Pressure - 10 Min.: 519	Final Casing Test Pressure: 519	Final Tubing Pressure: 0
Test Witnessed by State Representative? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Pressure Loss or Gain During Test: Lost 1 psi
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: 10-21-15

OGCC Approval: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

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

**Pick Testers**  
**Sterling, CO 80751**

**Guy Dove**  
**970-520-2769**

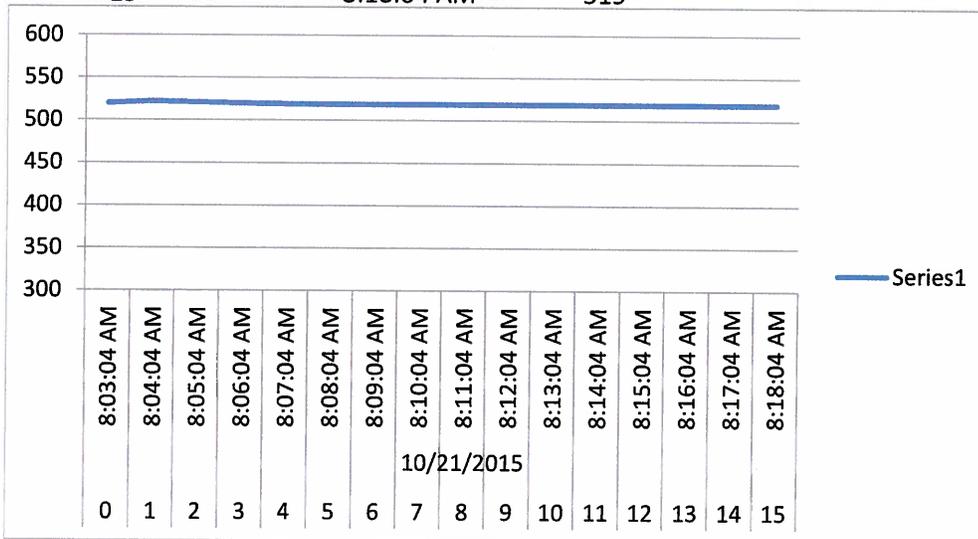
PDC Energy Bud Holman

Clemons 42-3

MIT

Interval: 1 min.

DataPoint	LogDate	LogTime	1-P PSI
0		8:03:04 AM	520
1		8:04:04 AM	522
2		8:05:04 AM	521
3		8:06:04 AM	520
4		8:07:04 AM	519
5		8:08:04 AM	519
6		8:09:04 AM	519
7		8:10:04 AM	519
8	10/21/2015	8:11:04 AM	519
9		8:12:04 AM	519
10		8:13:04 AM	519
11		8:14:04 AM	519
12		8:15:04 AM	519
13		8:16:04 AM	519
14		8:17:04 AM	519
15		8:18:04 AM	519





# Well History

**Well Name: Clemons 42-3**

API 05123140260000	Surface Legal Location SENE 3 5N 64W	Field Name Kersey	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,632.00	Original KB Elevation (ft) 4,645.00	KB-Ground Distance (ft) 13.00	Spud Date 7/22/1988 00:00	Rig Release Date 8/3/1988 00:00
On Production Date 8/31/1988				

Job				
<b>Drilling - original, 7/22/1988 00:00</b>				
Job Category Drilling	Primary Job Type Drilling - original	Start Date 7/22/1988	End Date 7/26/1988	Objective Drill a new Codell well
Daily Operations				
Start Date	Summary			End Date
<b>Initial Completion, 7/27/1988 00:00</b>				
Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 7/27/1988	End Date 8/3/1988	Objective Complete a Codell well
Daily Operations				
Start Date	Summary			End Date
<b>Fracture Treatment, 8/4/1988 00:00</b>				
Job Category Completion/Workover	Primary Job Type Fracture Treatment	Start Date 8/4/1988	End Date 8/4/1988	Objective Frac Codell well
Daily Operations				
Start Date	Summary			End Date
<b>Wellbore Integrity, 8/7/2013 06:00</b>				
Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 8/7/2013	End Date 10/22/2013	Objective Annular Fill, Set RBP for well bore integrity
Daily Operations				
Start Date	Summary			End Date
8/7/2013	STP 600 psi, SCP 700 psi, SSCP 0 psi, MIRU Bayou 008, blew well down to rig tank, control well w/50 bbls Claytreat/Biocide water, ND WH, NU BOP, PU tag jts, TIH w/ 4 jts, tagged @ 6,855.47' (39.47' below Codell) w/4, LD tag jts, POOH w/production tbg to derrick w/ 220 jts 2 3/8" J-55 EUE 8rd tbg, 1-8' sub, sn/nc, tbg was landed at 6,762.47' KB, RU Pick Testers, PU RMOR's 3 7/8" blade git - 4 1/2" csg scraper, TIH w/production tbg from derrick testing to 6000 psi, split one jts, all other jts tested good, RD tester, circulated down to 6,855.47' KB and tools w/224 jts, rolled hole clean, POOH w/tbg to derrick, LD tools, SI and isolated well, drained lines, prepared for next day operations. SDFN.			8/7/2013
8/8/2013	SCP 100 psi, SSCP 0 psi, blew well down to rig tank, control well w/20 bbls Claytreat/Biocide water, PU RMOR's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,402.60' KB and tools w/208 jts, LD 1 jt, circulated oil and gas out, pressure tested csg/RBP to 2000 psi, test good, POOH w/20 jts to derrick, spotted 2 sks sand across RBP, finished TOOH w/ tubing, ND BOP, remove tbg head, install PDC's 4 1/2" 5K frac valve, pressured tested csg/RBP to 5000 psi using Pick Testers, held 20 minutes, test good, released tester, removed frac valve, un-pack csg head, un-land csg (100K), NU annular flanges, TIH picking up tallying WS #316 1.660" 3.02# N-80 CSHD workstring, in hole to 3,092.87' KB all the way in on jt 100, no tag still approx. 2,935.13' above original cement top, RU circulation equipment on jt 100, break circulation and conditioned hole for 3 hours @ 3,092.87' w/100 jts, LD 10 jts, isolate well, prepare for next days operations, SDFN.			8/8/2013
8/9/2013	0 psi @ WH, PU TIH picking up tallying WS #316 1.660" 3.02# N-80 CSHD workstring to 150 jts 4,635.30', RU circulation equipment, broke circulations rolled hole for 1.5 hours, broke off circulation equipment, PU continued TIH w/ WS, tagged original cmt top at 5,995.41' KB all the way in on jt 194, RU circulation equipment on jt 194, break circulation and conditioned rest of day, total circulation time of 7 hours @ 5,995.41' w/194 jts, broke off circulation equipment, TOOH standing back w/ 94 jts leaving 100 jts in hole @ 3,090.02', SI and isolated well, drained lines, prepared for next day operations, SDFWE.			8/9/2013
8/12/2013	0 psi @ WH, TIH from derrick w/ 1 1/4" WS, tagged original cement top @ 5,995.41' w/ 194 jts, RU circulation equipment, broke circulation, circulate and condition hole @ 1,500 psi @ 1 .25 BPM for 2.5 hours. Shut rig pump down, MI&RU Halliburton Cement Services to 1 1/4" 3.02# CSHD, hold JSA and procedure meeting.  Pressure test lines to 3,500 psi  Preflush: Pumped 10 bbl clay treat, 12 bbl Mud flush III and 10 bbl clay treat spacer  1st stage:EOT set @ 5,995.41' w/194 jts,mix, batch, and pump 275 sks (reciprocate pipe) Econocem 12.5 ppg 1.89 yield (92 bbls) Displace 1.5 Bbls Est. TOC @ 4,351.35', lay down 50 jts.  2nd stage:EOT set @ 4,448.13' w/144 jts, mix, batch and pump 275 sks (reciprocate pipe) of Econocem 12.5 ppg 1.89 yield (92 bbls) displace 1.0 bbls, Est. TOC @ 2,821.41', lay down 50 jts.  3rd stage:EOT set @ 2,906.60' w/94 jts, mix, batch and pump 500 sks (reciprocate pipe) of Varicem (194 bbls), returned 1 bbls cement to tank, Displace 1.0 Bbls, RD and release Halliburton, TOOH laying down remaining 94 jts 1 1/4" work string. Change equipment over to 4 1/2", unland annular flanges and re-land casing in slips @ 75 K lbs, ND flanges and pack off casing head. NU tubing head and BOP, load casing with clay treat for logging, SI well and secure, SDFN.			8/12/2013



## Well History

**Well Name: Clemons 42-3**

API 05123140260000	Surface Legal Location SENE 3 5N 64W	Field Name Kersey	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,632.00	Original KB Elevation (ft) 4,645.00	KB-Ground Distance (ft) 13.00	Spud Date 7/22/1988 00:00	Rig Release Date 8/3/1988 00:00
On Production Date 8/31/1988				

### Daily Operations

Start Date	Summary	End Date
8/13/2013	0 psi at WH, open well, RU Nabors Wireline, ran GR/CCL/CBL/VDL log from 6000' to surface, had acceptable bonding to surface, RDMOL e-line, PU NC/SN, PU RMOR retrieving head, TIH from derrick w/ 198 jts 2 3/8" J-55 8rd EUE production tubing, LD 22 jts onto ground, installed 5K WH, Landed well w/ 198 jts 2 3/8" tubing @ 6,122.35'. SI and isolate well, drained lines, racked pump and tank, RDMOL.	8/13/2013
10/21/2013	No pressures at the well head. Held safety meeting. MIRU Bayou rig 004. ND production equipment and well head. Function tested BOPE. NU BOPE. PU 10 jts. and tagged sand @ 6,392' w/208 jts. RU circulation equipment. Broke circulation. Cleaned out and latch on to RBP @ 6,402.60' w/same jt. Rig down circulation equipment. Released RBP and the well went on vacuum. Drain lines, shut in and secured the well for the night.	10/21/2013
10/22/2013	No pressures @ the well head. MIRU Pick Testers. POOH tallying and testing to 6,000 psi. 60 jts.. PU remaining 12 jts. from the ground. Continued POOH tallying and testing to 6,000 psi.. Talled and tested 220 jts.-6,775.60'. Found 2 bad jts.. Bad jts. were replaced. RD tester. Landed tubing 14.74' above Codell perms @ 6,788.26' w/220 jts., NC/SN-1.6', and 11' adj. KB. All tubing used in the well is 2 3/8" 4.7# J-55 EUE. ND BOP and swapped out 5K well head with 3K well head. NU well head. RU sand line, lubricator, and pack off to master valve. RIH w/1.901" broach and broached to seat nipple. RD sand line, lubricator, and pack off. RDMOL.	10/22/2013

### Wellbore Integrity, 11/27/2013 06:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 11/27/2013	End Date 11/27/2013	Objective Set RBP and put 5 K tubing head back on for Noble Cougar B-02 frac
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### Daily Operations

Start Date	Summary	End Date																		
11/27/2013	ITP-200 psi, ICP-300 psi, ISCP-0 psi.MI&RU Bayou Rig #008 and auxiliary equipment. ND production equipment, RU pump lines to WH. Function test BOPE and inspect ram rubbers. Blow tubing and casing down to RT, control well w/30 bbls clay treat and biocide down tubing and casing. Unland tubing and NU BOPE, pressure test BOPE rams-good test. PU 4 tag jts tagging PBTD @6,888.44' KB, lay down tag jts and TOOH tallying 2 3/8" 4.7 lb/ft J-55 EUE 8rd production tubing. Pulled 224 jts-6,773.34', NC/SN-1.60', tubing was landed @6,782.44' KB 19.66' above Codell perms. PU 10 K WLTC-RBP dressed for 11.6 lb/ft casing, TIH w/210 jts, set RBP @ 6,474.02' KB and tools. Lay down 1 jt, RU and break circulation, circulate all the oil and gas out to RT. Pressure test casng and RBP to 1,500 psi (4,300 Hydrostatic psi)-good test. Lay down 4 more jts, dump and displace 100 lbs of 20/40 sand w/20 bbls. Lay down 5 more jts leaving 200 jts in the hole w/retrieving head @ 6,164.64' KB. ND BOP and finage up tubing head, SI well and secure, RD rig and shut down.	11/27/2013																		
5/28/2014	STP-0, SCP-0, ISCP-0. held safety meeting, MIRU Bayou Rig #21. held safety meeting, RU rig and all equipment, pressure tested hard lines, opened well to rig tank, function tested BOP's, ND WH, NU BOP's, held safety meeting, PU 10 jts. and tagged sand @ 6,465.02'. RU circ. equip., TIW valve and tubing swivel. Broke circ. and washed down latching onto RBP @ 6,474.02' w/ 210 jts. RD circ. equip. and released RBP. check for trapped pressure, well started to flow, flowed well back to rig tank for 10 mins, broke circulation, rolled hole for one hour, TOOH standing back w/ tubing, LD RBP and tools, RU Pick Testers, held safety meeting, PU NC/SN, TIH w/production tbg from derrick, testing all tubing and connections to 6000 psi, found three w/ holes and 3 bad collars, replaced bad jts and collars, RD and released Pick testers, PU tag jts, TIH w/ tag jts tagged at 6,888.41' KB (PBTD) and tools w/223 jts, LD tag jts, ND BOP, land tbg in WH 6,878.06' KB (14.94' above the Codell) w/219 jts plus 2-6' and 1-8' subs, NU WH, did not dropped new PCS full port standing valve and broached to seatnipple w/1.901" broach, isolate well, drained lines and pump, prepared for next day operations, SDFN  <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Tbg detail:</td> <td style="width: 35%;">10.0' adj KB</td> <td style="width: 35%;">10.0'</td> </tr> <tr> <td>219 jts 2 3/8" 4.7# J-55 EUE 8rd</td> <td>6755.46'</td> <td>6765.46'</td> </tr> <tr> <td>1-8' 2 3/8" 4.7# J-55 EUE 8 rd sub</td> <td>8.00'</td> <td>6773.46'</td> </tr> <tr> <td>1-6' 2 3/8" 4.7# J-55 EUE 8 rd sub</td> <td>6.00'</td> <td>6779.46'</td> </tr> <tr> <td>1-6' 2 3/8" 4.7# J-55 EUE 8 rd sub</td> <td>6.00'</td> <td>6785.46'</td> </tr> <tr> <td>Seatnipple/notched collar</td> <td>1.60'</td> <td>6787.06' EOT</td> </tr> </table>	Tbg detail:	10.0' adj KB	10.0'	219 jts 2 3/8" 4.7# J-55 EUE 8rd	6755.46'	6765.46'	1-8' 2 3/8" 4.7# J-55 EUE 8 rd sub	8.00'	6773.46'	1-6' 2 3/8" 4.7# J-55 EUE 8 rd sub	6.00'	6779.46'	1-6' 2 3/8" 4.7# J-55 EUE 8 rd sub	6.00'	6785.46'	Seatnipple/notched collar	1.60'	6787.06' EOT	5/28/2014
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Seatnipple/notched collar	1.60'	6787.06' EOT																		
5/29/2014	SCP 0 psi, STP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, held safety meeting, RU swab equipment.  <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">ITP-0 psi</td> <td style="width: 35%;">ICP-0 psi</td> <td style="width: 35%;"></td> </tr> <tr> <td>IFL-3200'</td> <td>FFL-5900'</td> <td></td> </tr> <tr> <td>Swabed back 85 bbls water</td> <td></td> <td></td> </tr> <tr> <td>FTP-75</td> <td>FCP-175 psi</td> <td></td> </tr> <tr> <td>Made 20 swab runs</td> <td></td> <td></td> </tr> </table> RDMOL.	ITP-0 psi	ICP-0 psi		IFL-3200'	FFL-5900'		Swabed back 85 bbls water			FTP-75	FCP-175 psi		Made 20 swab runs			5/29/2014			
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FTP-75	FCP-175 psi																			
Made 20 swab runs																				

### Mechanical Integrity Test, 10/19/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 10/19/2015	End Date	Objective Test tbg and casing. Perform MIT
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## Well History

**Well Name: Clemons 42-3**

API 05123140260000	Surface Legal Location SENE 3 5N 64W	Field Name Kersey	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,632.00	Original KB Elevation (ft) 4,645.00	KB Ground Distance (ft) 13.00	Spud Date 7/22/1988 00:00	Rig Release Date 8/3/1988 00:00
				On Production Date 8/31/1988

### Daily Operations

Start Date	Summary	End Date															
10/19/2015	<p>ITP: 650 ICP: 650 SCP: 0            MIRU Ensign rig 313. Held pre-job safety meeting. Rig up pump and tank. Tested lines to 2000 psi. Blew well down to rig tank. Controlled well with 60 bbls of Claytreat/Biocide water. ND wellhead. Function tested and NU BOPs. PU 4 jnts of 2-3/8" tbg and tagged with 10' of 4th jnt. (100') LD tag jnts. TOO H with 2-6' x 2-3/8" subs, 1-8' x 2-3/8" sub, 219 jnts of 2-3/8" 4.7# J-55 8rd eue tbg, SN/NC. Tag was at 6888.24' kb. LD 2 crimped jnts. MIRU Pick testers. PU 3-7/8" blade bit, STS 4-1/2" casing scraper dressed for 11.6# and tested in hole to 6000 psi with 219 jnts of 2-3/8" tbg. Found 1 hole. RDMO tester. Rolled hole clean. SB 15 stands. Secured well. SDFD</p>	10/19/2015															
10/20/2015	<p>TP: 0 CP: 0 SCP: 0            Held safety meeting. Continued to POOH with tbg. LD bit and scraper. PU STS 4-1/2" 11.6# WLTC RBP and RIH with 2-3/8" tbg. Set RBP at 6475'.05' kb with 12' out of 210th jnt. LD 1 jnt. Rolled hole. Tested casing to 520 psi with rig pump for 15 minutes. Held good. Bled off pressure. Rolled hole for 45 minutes. Secured well. SDFD</p>	10/20/2015															
10/21/2015	<p>TP 0 psi, CP 0 psi, SCP 0 psi, Held safety meeting, Opened well to rig tank, MIRU Pick Testers, pressured casing to 520 psi, held and charted pressure for 15 mins, 1 psi pressure loss, good test, RDMO hydrotester. State Representative was not on location to witness test. Released pressure, PU 1 jnt and 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 6787.47' KB (12.53' above the Codell) w/219 jts plus 1-6' sub and 1-10' sub, NU WH, Did not drop new PCS full port standing valve. Broached to seatnipple w/1.901" broach. Made 1st swab run. Sand line parted at top of rope socket. ND wellhead. NU BOPs. POOH with tbg standing back. Recovered swab tools. Replaced Seat Nipple and ran back in hole with production string and landed in WH. Secured well. SDFD</p> <p style="margin-left: 40px;">Tbg detail:</p> <table style="margin-left: 80px; border: none;"> <tr> <td style="padding-right: 20px;">10' Adj KB</td> <td></td> <td></td> </tr> <tr> <td style="padding-right: 20px;">1-6' x 2-3/8" 4.7# J-55 8rd eue sub</td> <td style="padding-right: 20px;">6'</td> <td>16.00'</td> </tr> <tr> <td style="padding-right: 20px;">1-10' x 2 3/8" 4.7# J-55 8rd eue sub</td> <td style="padding-right: 20px;">10.00'</td> <td>26.00'</td> </tr> <tr> <td style="padding-right: 20px;">219 jnts 2-3/8" 4.7# J-55 8rd eue tbg</td> <td style="padding-right: 20px;">6759.87'</td> <td>6785.87'</td> </tr> <tr> <td style="padding-right: 20px;">Seat Nipple/Notched collar</td> <td style="padding-right: 20px;">1.6'</td> <td>6787.47' KB</td> </tr> </table>	10' Adj KB			1-6' x 2-3/8" 4.7# J-55 8rd eue sub	6'	16.00'	1-10' x 2 3/8" 4.7# J-55 8rd eue sub	10.00'	26.00'	219 jnts 2-3/8" 4.7# J-55 8rd eue tbg	6759.87'	6785.87'	Seat Nipple/Notched collar	1.6'	6787.47' KB	10/21/2015
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