

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 001, 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.

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: 123-24016		Field Name: Wattenberg	
Well Name: CHIL 42-26		Field Number:	
Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE 26 7N 64W		Number:	

Complete the Attachment Checklist

	Op	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		Casing Test <input type="checkbox"/> NA	
Injection/Producing Zone(s)	Perforated Interval: <input type="checkbox"/> NA	Open Hole Interval: <input type="checkbox"/> NA	Use when perforations or open hole is isolated by bridge plug or cement plug		
Codell/Niobrara	6748'-7028'		Bridge Plug or Cement Plug Depth		
			6695		
Tubing Casing/Annulus Test <input type="checkbox"/> NA					
Tubing Size: 2 3/8	Tubing Depth: 6688'	Top Packer Depth:	Multiple Packers? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Test Data					
Test Date: 10/16/15	Well Status During Test: Shut in	Date of Last Approved MIT:	Casing Pressure Before Test: 0	Initial Tubing Pressure: 0	Final Tubing Pressure: 0
Starting Casing Test Pressure: 518	Casing Pressure - 5 Min: 518	Casing Pressure - 10 Min: 519	Final Casing Test Pressure: 519	Pressure Loss or Gain During Test: gain 1 Psi	
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: Eloy Cossio

Signed: [Signature]

Title: Rig Supervisor

Date: 10/16/15

OGCC Approval: _____

Title: _____

Date: _____

Conditions of Approval, if any: _____

Pick Testers
Sterling,CO 80751

Aaron Pickering
970-520-0279

PDC Energy
Cecil 42-26
API:05-123-24016
Loc:SENE SEC26 7N 64W

Eloy Cossio
MIT Test

Interval:

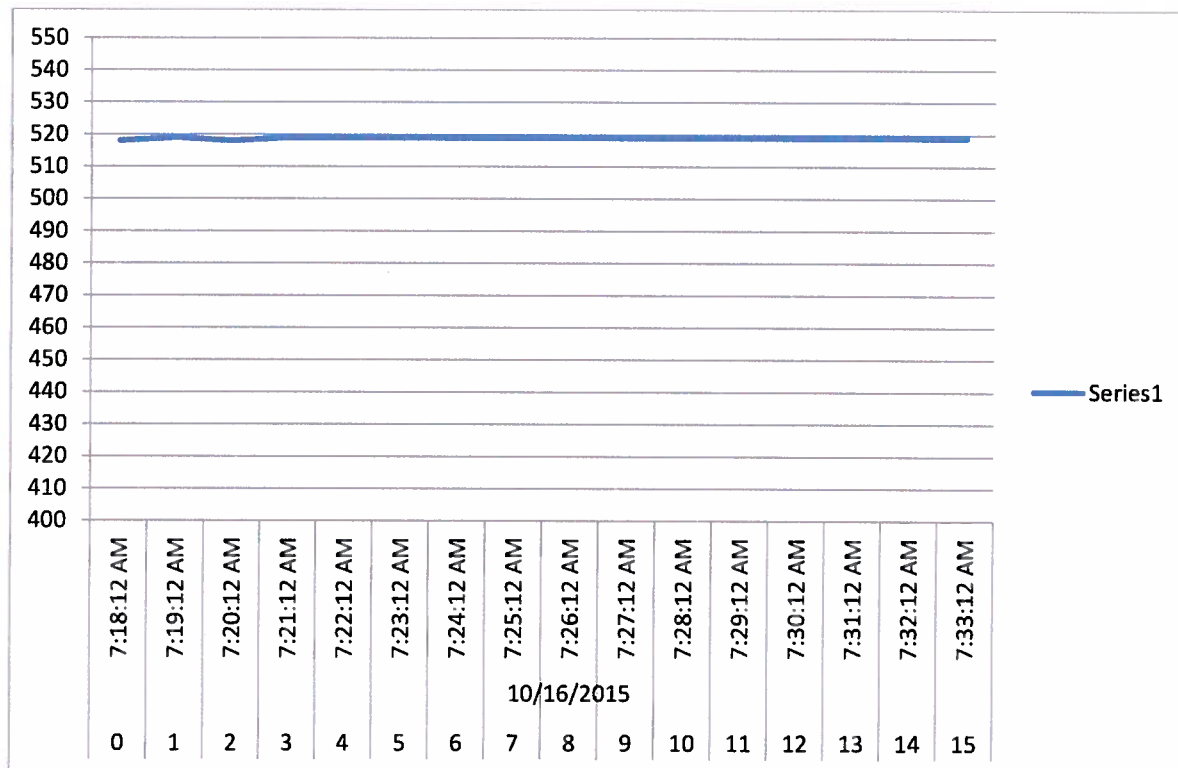
120 Seconds

DataPoint LogDate

LogTime

1-P PSI

0		7:18:12 AM	518
1		7:19:12 AM	519
2		7:20:12 AM	518
3		7:21:12 AM	519
4		7:22:12 AM	519
5		7:23:12 AM	519
6		7:24:12 AM	519
7		7:25:12 AM	519
8	10/16/2015	7:26:12 AM	519
9		7:27:12 AM	519
10		7:28:12 AM	519
11		7:29:12 AM	519
12		7:30:12 AM	519
13		7:31:12 AM	519
14		7:32:12 AM	519
15		7:33:12 AM	519



Well History

Well Name: Cecil 42-26

API 05123240160000	Surface Legal Location SENE 26 7N 64W			Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,790.00	Original KB Elevation (ft) 4,800.00	KB-Ground Distance (ft) 10.00	Spud Date 7/21/2006 00:00	Rig Release Date 7/25/2006 00:00	On Production Date 8/22/2006	

Job

Drilling - original, 7/21/2006 06:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Drilling	Drilling - original	7/21/2006	7/25/2006	Drill new Codell well

Daily Operations

Start Date	Summary	End Date
7/21/2006	Ensign Rig #1. Day #1 - MIRU Spud 12 1/4" hole at 5 PM. TD 12 1/4" surface hole at 577' at 11:30 PM.	7/21/2006
7/22/2006	Ensign Rig #1. Day #2 - Condition & circulate hole for 1/2 hour and TOOH. Rig up casers and ran 13 joints of new, 24#, J-55, 8 5/8" surface casing to 557'. Set at 567'. Rig up Cementer's Well Service and pump 400 sacks of Class G cement +3%CaCl2 + 1/4# flake per sack. Plug down at 6 AM on 7/22/06. Presently waiting on cement.	7/22/2006
7/23/2006	Ensign Rig #1. Day #3 - 2770' at 6 AM (2207 / 24 hrs) drilling 7 7/8" hole with bit#2.	7/23/2006
7/24/2006	Ensign Rig #1. Day #4 - 5520' at 6 AM (2750 / 24 hrs) drilling 7 7/8" hole with bit#2. Last survey at 5086' - Degrees 1.48.	7/24/2006
7/25/2006	Ensign Rig #1. Day #5 - TD of 7208' at 3 PM (1680 / 9 hrs) drilling 7 7/8" hole with bit#2. Last survey at 6367' - Degrees .91. Short tripo & circ hole. LDDP MIRU Phoenix Surveys Inc. Ran Comp Density/Comp Neutron/Dual Induction log finding a LTD of 7232' KB, DTD of 7208'. RU casing crew and ran Weatherford Auto Fill Guide Shoe, 14.1 shoe joint, 168 joints of 10.5 #/ft, 8RD, M-65, 4 1/2" casing and 1 joint of 11.6 #/ft, M-80 on top of casing string for a total of 170 joints. Casing set @ 7169. PBTD @ 7155. Circulated hole once casing was set for 60 minutes prior to cementing. RU BJS and pumped 20 bbls of claytreat water, 20 bbl mud flush, 20 bbls claytreat water and 640 sx PLC Cement (377.2 bbls), 175 sx 50/50 Poz (50 bbls). shut-down, wash up cement pump & lines to the pit, released wiper plug and displaced with 114. bbls treated water. Plug down OK @ 8:15 p.m. Bumped plug with 2500 psi @ 2.5 bpm, shut down - watched psi stabilize at 2500 psi, released psi to BJS inventory tanks and tested plug. Released rig @ 9:15 p.m. TOC @ surface. Brought back 10 BBls of cement to the pit.	7/25/2006
8/11/2006	MIRU Nuex Wireline. Ran GR/VDL/CBL log finding PBTD @ 7176' and Cement Top @ 420'. Good cement bond on tail slurry, filler slurry acceptable bond. Perforated the Codell formation from 7018-7028' (3 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration), 30 holes total. Prepare well for Codell stimulation.	8/11/2006
8/15/2006	Codell New drill: MIRU BJ Services. Performed a Codell stimulation using 2566 bbls of Vistar 20# fluid system 217840 lbs of 20/40 white sand and 8000 lbs of Super LC 20/40 resin coated proppant. Codell perms @ 7018-7028' (30 New Shots). Pumped 1-4 ppg stages of 20/40 white sand, 4 ppg Super LC proppant, flush well to .5 bbl short of top Codell perforation (111bbls), shut down, record ISDP = 3604 psi. RD BJ Services, turn well on to flowback. Transfer 30 bbls from hydration unit to flowback tank. MTP = 3891 psi, ATP = 3560 psi, AIR = 16.9 bpm. Pressure response was flat to slightly positive during entire job. Operationally treatment went ok. Pumped treatment via 4 1/2" casing. Turn well on to flowback on a 20/64" choke.	8/15/2006
8/21/2006	MIRU SOS rig #13, RU pump & tank, left well flowing to FBT, SDFN. Estimated daily cost: \$1673.00	8/21/2006
8/22/2006	50#s csg flowing to FBT, pulled choke, blew well down, ND WH, NU BOPs, PU sn/nc, TIH picking up tallying new 2 3/8" production tbg, tagged fill @ 7073' KB w/218 jts, circulated clean to 7170' KB w/221 jts, rolled hole clean, LD 6 jts, ND BOPs, land tbg, NU WH, made 1.901" broach run to seatnipple, dropped FB full port standing valve & chased to bttm, RIH w/swab, IFL surface, recovered 50 bbls, FFL 2000', SI well, SDFN. Tbg detail: 10' KB 10' 12' X 2 3/8" 4.7# J-55 subs 12' 22' 215 jts 2 3/8" 4.7# J-55 EUE 6977.68' 6999.68' Seatnipple/notched collar 1.50' 7001.18' EOT Estimated daily cost: \$32,255.00 - Cum: \$33,928.00	8/22/2006
8/23/2006	640#s tbg/450#s csg, opened tbg up, tbg blew dead, RIH w/swab, IFL 1000', swabbed back 140 bbls, FFL 2800', SI well w/blow tbg - 300#s csg, RDMO Estimated daily cost: \$3482.00 - Cum: \$37,410.00	8/23/2006

Initial Completion: 8/11/2006 00:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Completion/Workover	Initial Completion	8/11/2006	8/23/2006	Complete Code1

Daily Operations

Start Date	Summary	End Date
8/11/2006	MIRU Nuex Wireline. Ran GRVDL/CBL log finding PBTD @ 7176' and Cement Top @ 420'. Good cement bond on tail slurry, filler slurry acceptable bond. Perforated the Codell formation from 7018-7028' (3 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration), 30 holes total. Prepare well for Codell stimulation.	8/11/2006
8/15/2006	Codell New drill: MIRU BJ Services. Performed a Codell stimulation using 2566 bbls of Vistar 20# fluid system 217840 lbs of 20/40 white sand and 8000 lbs of Super LC 20/40 resin coated proppant. Codell perms @ 7018-7028' (30 New Shots). Pumped 1-4 ppg stages of 20/40 white sand, 4 ppg Super LC proppant, flush well to .5 bbl short of top Codell perforation (111bbls), shut down, record ISDP = 3604 psi. RD BJ Services, turn well on to flowback. Transfer 30 bbls from hydration unit to flowback tank. MTP = 3891 psi, ATP = 3560 psi, AIR = 16.9 bpm. Pressure response was flat to slightly positive during entire job. Operationally treatment went ok. Pumped treatment via 4 ½" casing. Turn well on to flowback on a 20/64" choke.	8/15/2006



Well History

Well Name: Cecil 42-26

API 05123240160000	Surface Legal Location SENE 26 7N 64W	Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,790.00	Original KB Elevation (ft) 4,800.00	KB-Ground Distance (ft) 10.00	Spud Date 7/21/2006 00:00	Rig Release Date 7/25/2006 00:00
			On Production Date 8/22/2006	

Daily Operations

Start Date	Summary	End Date
8/21/2006	MIRU SOS rig #13, RU pump & tank, left well flowing to FBT, SDFN. Estimated daily cost: \$1673.00	8/21/2006
8/22/2006	50#s csg flowing to FBT, pulled choke, blew well down, ND WH, NU BOPs, PU sn/nc, TIH picking up tallying new 2 3/8" production tbg, tagged fill @ 7073' KB w/218 jts, circulated clean to 7170' KB w/221 jts, rolled hole clean, LD 6 jts, ND BOPs, land tbg, NU WH, made 1.901" broach run to seatnipple, dropped FB full port standing valve & chased to bttm, RIH w/swab, IFL surface, recovered 50 bbls, FFL 2000', SI well, SDFN. Tbg detail: 10' KB 10' 12" X 2 3/8" 4.7# J-55 subs 12' 22' 215 jts 2 3/8" 4.7# J-55 EUE 6977 68' 6999 68' Seatnipple/notched collar 1.50' 7001.18' EOT Estimated daily cost: \$32,255.00 - Cum: \$33,928.00	8/22/2006
8/23/2006	640#s tbg/450#s csg, opened tbg up, tbg blew dead, RIH w/swab, IFL 1000', swabbed back 140 bbls, FFL 2800', SI well w/blow tbg - 300#s csg, RDMO Estimated daily cost: \$3482.00 - Cum: \$37,410.00	8/23/2006

Completion, 3/17/2008 00:00

Job Category Completion/Workover	Primary Job Type Completion	Start Date 3/17/2008	End Date 3/31/2008	Objective Complete Niobrara
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Daily Operations

Start Date	Summary	End Date
3/17/2008	STP 150#s, SCP 150#s, MIRU Ensign Rig #313, pump & tank, prepare for next day operations, SDFN.	3/17/2008
3/18/2008	STP 250#s, SCP 300#s, Surface casing 0#s, Break down flow line & RU pump lines, blow well down to rig tank, kill well W/ 50 Bbls 2% KCL, unpack tubing head & NU BOP, unland tubing & PU tag Jts, tagged fill W/134.25' @7128.15'KB W/9.70' in on Jt 220, lay down tag Jts & TOO H tallying 2 3/8" J-55 4.7# EUE 8rd tubing, pulled 1-12' tubing sub, 215 Jts-6975.40', SN 1.60', tubing was landed @6997.00'KB, RU Anytime Testing, PU Nabors 3 7/8" blade bit & 4 1/2" 11.6# casing scraper, TIH testing tubing to 6K PSI, tested 215 Jts, all tubing tested good, RD tester, pump 30 Bbls down back side & TOO H W/ 215 Jts, SI well, drain pump & lines, SDFN.	3/18/2008
3/19/2008	SCP 0#s, PU Nabors 4 1/2" 10.5# WLTC RBP, open well up & TIH W/ 215 Jts 2 3/8" J-55, set RBP @6983.10' KB W/ 215 Jts, lay 1 Jt down, shut pipe rams & roll oil & gas out, test casing & RBP to 1500 PSI F/ 5 minutes-got a good test, open pipe rams & lay down 20 Jts, dump 100#s of 20/40 sand & displace W/ 20 Bbls 2% KCL, finish TOO H laying down 2 3/8" tubing on sills, ND BOP & break tubing head off, install new 4 1/2" 5K Demco valve, load casing W/1 Bbl, RU Hole Seekers Testing, pressure 4 1/2" 10.5# M65 casing up to 5K PSI F/ 15 minutes, got a good test, RU Nue X Wire Line & PU 3 1/8" slick gun, corolate CBL to open hole logs, perforate Niobrara B bench F/6860'-6874' 3SPF (42 shots), perforate Niobrara A bench F/6748'-6752' 2SPF (8 shots) W/ 3 1/8" slick gun 21 gram HERO shots, 120 degree phasing, .39" entry hole & 30.92" penetration, RD Nue X, SI well, RDMO to Heinrichy #11-7.	3/19/2008
3/24/2008	Niobrara Hybrid Recomplete: HES. Performed a Niobrara stimulation using 500 gallons of 15% HCL SilverStim 22# fluid system, 238020 lbs 30/50 and 12000#SB Excel 12/20, (CL-37 0.5gpt, CL-23 0.3gpt, Ph-10.1, GasPerm 1000 1.5gpt, Clayfix II 1.0gpt, Vicon NF 5.0gpt, CAT-3 0.15-0.5gpt, CAT -4 0.15-0.5gpt, FR-561.0gpt) (Break 4305 @ 3.6 BPM), 500 gals of 15% HCL, 1548 bbls Slickwater pad, 144 bbls of SilverStim 22# pad, 2126 bbls of SilverStim 22# fluid system, Niobrara A Bench perfs @ 6748-6752' (2spf), Niobrara B Bench perfs @ 6860-6874' (3 spf). Pumped 1-4 ppg stages 30/50 white sand and 4 ppg SB Excelproppant. Flushed well to 0.5 bbl short of top Niobrara A Bench perforation (107.3 bbls). Shut down, record ISDP = 36431 psi. RD HES, turned well on toflowback. Transferred 40 bbls from hydration unit to flowback tank. MTP =4672 psi, ATP = 4498 psi, AIR = 51.4 bpm. Pressure response was flat Pumped treatment through 4.5" Csg. Turned well on to flowback on a 14/64" choke.0	3/24/2008
3/28/2008	25#s csg open flowing to FBT, MIRU SOS rig #13, pulled choke and blew well down, control well a/40 bbls 2% KCL, ND flow back and frac valve, install 3Kmandrel style tbg head, NU BOPs, PU Nabors Oil Tools retrieving head, TIH picking up tallying production tbg, (well kicked off flowing several times on the day), 204 jts in at 6620' KB and tools, isolate well, SDFW.	3/28/2008
3/31/2008	100#s both tbg/csg, blew well down, continue TIH picking up tallying 2 3/8" production tbg, tag fill at 6925' KB and tools w/214 jts, RU to clean out, circulated down to RBP at 6985' KB latching onto w/215 jts, rolled hole clean, released RBP, POOH to derrick, LD tools, PU sn/nc, TIH w/production tbg, PU tag jts, tagged at 7130' KB w/220 jts, LD tag jts, ND BOPs, land tbg at 7000' KB w/12' of subs and 215 jts 2 3/8" 4.7# J-55 EUE 8rd tbg, sn/nc, NU WH, dropped FB full port standing valve and chased to bttm w/1.901" broach seating in seatnipple, isolate well, RDMO> FINAL REPORT	3/31/2008

Mechanical Integrity Test, 10/14/2015 06:00

Job Category Completion/Workover	Primary Job Type Mechanical Integrity Test	Start Date 10/14/2015	End Date	Objective MIT procedure
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Daily Operations

Start Date	Summary	End Date
10/14/2015	MIRU Ensign 354. Spot in equipment. Held safety meeting andfunction test BOPs. RU. RU Pump and tank. ITP 500-psi. ICP 1000-psi. ISCP 0-psi. Blow down well to flat tank. Control well w/ 30 bbls kcl on tbg and 40 bbls kcl on csg. ND WH. NU BOPs. PU 4 jts and did not tag. TOO H Standing back 215 jts 2 3/8", 4.7#, J-55, 8rd tbg. LD SNNC. RU Hydrotester. PU 3 7/8" Bit and Scraper and TIH Hydrotesting 215 jts 2 3/8". Had no bad jts. RD Tester. TOO H Standing back 30 jts. SWI. SDFN. Crew to yard.	10/14/2015
10/15/2015	Crew on location. held safety meeting. ITP 0-psi. ICP 0-psi. ISCP 0-psi. Open well. Continue to TOO H standing back 215 jts 2 3/8", LD Bit/Scraper. PU 4 1/2" RBP and TIH Out of derrick w/ 206 jts 2 3/8". Set RBP at 6695' J off of RBP. Load Tbg/Csg and establish circulation. Circulate gas out of well. Pressure test Csg to 500# psi and got a good test. SWI. SDFN. Crew to yard.	10/15/2015



Well History

Well Name: Cecil 42-26

API 05123240160000	Surface Legal Location SENE 26 7N 64W			Field Name Wattenberg	State CO	Well Configuration Type Vertical
Ground Elevation (ft) 4,790.00		Original KB Elevation (ft) 4,800.00	KB-Ground Distance (ft) 10.00	Spud Date 7/21/2006 00:00	Rig Release Date 7/25/2006 00:00	On Production Date 8/22/2006

Daily Operations		
Start Date	Summary	End Date
10/16/2015	<p>Crew on location. Held safety meeting. ITP 0-psi. ICP 0-psi. ISCP 0-psi. Open well. RU Hydrotester and Pressurew test csg to 500# psi. Held pressure for 15 minutes, recorder test and got a good test. Bleed off pressure. RD tester. Release RBP and TOOH Standing back 206 jts 2 3/8". LD RBP. PU SNNC and TIH out of derrick w. 215 jts. Land well at 7007.60' KB. RU Lubricator and broached tubing w/1.90' broach to SN. RD Lubricator. ND BOPs. NUWH. RU Lubricator and swabbed well back. Recovered 60 bbls fluid and made 8 swabb runs. SWI. FTP 50-psi. FCP 350-psi. Rack up pump and tank. RDMO. Clean up location. Move rig to next location.</p> <p>Landed Tubing as follows: KB=10,00' Subs 6', 12'=18.00' 215 jts 2 3/8", 4.7#, J-55, 8rd tbgs=6978.00 SNNC=1.60 Total Landed depth = 7007.60' KB</p> <p>Swabbed ITP 0-psi ICP 0-psi Made 8 runs and recovered 65bbls fluid FTP 50-psi FCP 300-psi</p>	10/16/2015