

W10 1555

JM#336496

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NATIONAL ENERGY BOARD
Exploration and Production

DEC 14 2009



**PETRO-CANADA OIL and GAS
COMPLETIONS DEPARTMENT**

REPORT ON WORKOVER

AT

PCI Canterra Tweed A-67

FROM: 24 Sep 2009 TO: 24 Sep 2009

Prepared By: Kevin Hoff

Approved By: Bob Barvir
Bob Barvir

Distribution
Wellfile
Regulatory
Field Office
Area Office
Partners

26 PCCW
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OPERATIONS SUMMARY : PCI Canterra Tweed A-67 Workover 1

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Rig : Non-rig Operated
Field Supervisor(s) : Kevin Hoff
Completions Supervisor : Bob Barvir
Prod Engineer : Dan Whiting

Phone : (403) 296-3444
Phone : (403) 296-7162

Well Objective

Pressure test production casing to verify integrity and inject corrosion inhibitor into the wellbore

Daily Operations Summary

Day 1 24 Sep 2009	Conducted bubble test on surface casing; test negative. Inhibited 178 mm production casing with 200 litres Nalco R-7390 inhibitor. Pressure tested wellbore to 1000 kPa. Serviced wellhead and cleaned up location.
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FINAL REPORT



Well Name
UWI
Oil and Gas

PCI Canterra Tweed A-67

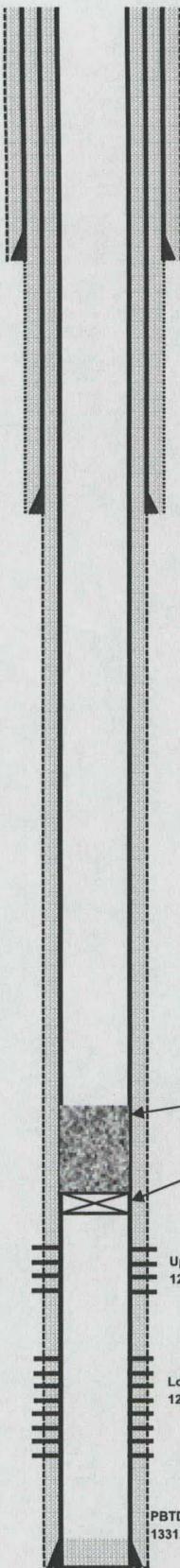
Date May 7/09

Surface Location

WA / Licence #

Latitude 66° 56' 11.60"N

Longitude 125° 56' 18.88"W



Elevations														
KB Elevation	397.10 m			KB-THF	5.80 m			TD 1347.0 mKB						
GL Elevation	390.90 m			KB-CF	6.35 m			PBTD 1250.7 mKB						
				KB-GL	6.20 m									
Wellhead: Size and Rating														
Manufacturer	mm	x	mm	MPa	x	mm	MPa	x mm MPa						
Cameron	245	x	279	21	x	179	21	x 65 21						
Casing		Hole	Jts	OD	Wt.	Grade	Thread	Top Bottom						
		mm	#	mm	kg/m									
Conductor	444	5	340	101.2	K-55	ST&C	surface	61.5 mKB						
Surface	311	62	245	59.5	MN-80	LT&C	surface	754.0 mKB						
Production	216	132	178	43.2	L-80	LT&C	surface	1347.0 mKB						
Annular Fluid 10% NaCl water w/ 0.9 % inhibitor & topped w/ 1.6 m ³ diesel								m ³						
Perforations / Open Hole					Top	Bottom	BHP	BHT						
Date	Formation				(mKB)	(mKB)	(kPa)	(°C)						
Feb 7/86	Lower Mount Clark (abandoned)			1290.5	1301.0	13,000	12.0							
Feb 19/86	Upper Mount Clark (abandoned)			1278.5	1284.5	13,000	12.0							
Bottomhole Equipment Description (from top down) depth in mKB														
Item	Jts	Description						Length Top						
1		Class 'G' cement above bridge plug						9.3 1250.7						
2		178 mm Halliburton EZ-drill permanent bridge plug						1260.0						
Upper Mount Clark 1278.5 - 1284.5 mKB														
Lower Mount Clark 1290.5 - 1301.0 mKB														
Remarks														
Well Status				Suspended Mt. Clark gaswell.			Prepared by	Bob Barvir						

PCI Canterra Tweed A-67
2009 - 09 - 25

PCI CANTERRA
TWEED LAKE A-67
WID 1555

PotTweed A-67 2009-09-25





COMPLETIONS DAILY REPORT # 1 : PCI Canterra Tweed A-67 Workover 1

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Rig : Non-rig Operated
Field Supervisor : Kevin Hoff
Completions Supervisor : Bob Barvir
Prod Engineer : Dan Whiting

Phone : (250) 706-9375
Phone : (403) 296-3444
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24 Sep 2009

Daily Report

Daily Operations Summary

Conducted bubble test on surface casing; test negative. Inhibited 178 mm production casing with 200 litres Nalco R-7390 inhibitor. Pressure tested wellbore to 1000 kPa. Serviced wellhead and cleaned up location.

FINAL REPORT

24Hr Operations Plan

Job wrap up in Norman Wells including fluid and garbage disposal. Prepare to demob equipment and personnel back to Edmonton 2009 - 09 - 26.

Well Objective

Pressure test production casing to verify integrity and inject corrosion inhibitor into the wellbore

Well Data

Province	NWT	PBTD	1251.0 mKB	Day Cost	\$38,100	Report #	1
Field		GRD Elev	390.9 m	Cum Cost	\$38,100	Job Start	24 Sep 2009
UWI		KB Elev	397.1 m	AFE	\$113,983	Job End	24 Sep 2009
Licence		KB - THF	5.80 m	AFE #	P789029	Total Job Hrs	10.00 hrs
PCOG WI	100%	KB - CF	6.35 m	Day Manhours	81 hrs	Total P Hrs	10.00 hrs
H2S Class		8AM Temp	2°C	Total Manhours	81 hrs	Total NPT Hrs	0.00 hrs

Morning Well Status

Tubing	kPa	Casing	kPa	H2S	Comment:	FINAL REPORT
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Operations For Period 0730 Hrs to 1730 Hrs On 24 Sep 2009

Class	Operation	From	To	Hrs	Activity Description
P	PLN	0730	1130	4.00	NEB notified of planned work and commencement time 2009 - 09 - 18. Reviewed ERP and workover program with Suncor Logistics, Completions, Stream-Flo and Canadian Helicopters personnel. Travelled to Bele O-35 location from Norman Wells via helicopter. Picked up equipment left on location from previous day. Topped up Bele O-35 wellhead with diesel for freeze protection. Travelled to Tweed A-67 location.
P	STM	1130	1200	0.50	Held on-site operational and safety meeting with all personnel on location.
P	PTO	1200	1730	5.50	Conducted 10 minute bubble test on surface casing vent line; test negative. No pressure noted on 178 mm production casing. Plumb bobbed diesel fluid level at 11 mCF. Serviced wellhead valves with Stream-Flo personnel. Tightened tubing head bonnet studs. Topped up casing with 160 liters Nalco R-7390 corrosion inhibitor. Pressure tested casing to 1000 kPa for 10 minutes; test good. Pumped remaining 48 liters inhibitor into well in 4 x 12 liters stages, allowing 15 minutes between stages for inhibitor to migrate through diesel. Bled diesel cap off well and repeated injection stage, pressuring casing up to 2000 kPa each time. After 200 liters total injected into casing, allowed 20 minutes for diesel to migrate to surface. Bled casing to zero. Secured, chained and padlocked wellhead with combination lock #0246. Cleaned up location. Flew all equipment and personnel back to Norman Wells base.
FINAL REPORT					

General Comments

0730 TO 1730 Hrs ON 24 Sep 2009

Comments	Daily costs include total demob estimates
FINAL REPORT	