

Amoco Canada Petroleum Company Limited																																																																																																																																																									
Completion/Repair Report																																																																																																																																																									
Date: 94-08-09		Report No. 14																																																																																																																																																							
Lease & Well No. Amoco A-1 Pointed Mountain P-53																																																																																																																																																									
Job Objective: Workover					Contractor & Rig No.: Drive Rig #41																																																																																																																																																				
Well Flag: 983748023		AFE/Project No.: 58102400		Acct No.: 9899/1																																																																																																																																																					
Formation: Mahanni		Daily Rig Hrs: 24		Accum to Date: 320																																																																																																																																																					
Daily Inspection: YES		Safety Meeting: YES		Total Depth: 4361.69 mKB		PBTD: 4136.14 mKB																																																																																																																																																			
Present Operations: 06:00 hrs. Pull out of hole with cement baller - Run 1 Of 2																																																																																																																																																									
<table border="1"> <thead> <tr> <th>Fluid Volumes (m3)</th> <th>Polymer</th> <th>Water (acid)</th> <th>Fee</th> <th>Cost</th> <th>AFE</th> <th>Daily Cost</th> <th>Cumm Cost</th> </tr> </thead> <tbody> <tr> <td>Total Fluid Handed to Lease (+)</td> <td>138.4</td> <td>129.6</td> <td></td> <td>Lease & Road</td> <td></td> <td>\$1,080.00</td> <td>\$13,780.00</td> </tr> <tr> <td>Total Fluid Handed from Lease (-)</td> <td></td> <td></td> <td></td> <td>Service Rig/Rig Move</td> <td></td> <td>\$9,175.00</td> <td>\$134,496.00</td> </tr> <tr> <td>Fluid in Tanks (-)</td> <td>11.4</td> <td>71</td> <td></td> <td>Rentals/Tools</td> <td></td> <td>\$2,140.00</td> <td>\$32,950.00</td> </tr> <tr> <td>Non-Rec. Annular Fluid (-)</td> <td></td> <td></td> <td></td> <td>Camp & Move</td> <td></td> <td>\$1,650.00</td> <td>\$20,120.00</td> </tr> <tr> <td>Fluid Lost to Abandonment (-)</td> <td>55</td> <td></td> <td></td> <td>Safety Equipment</td> <td></td> <td>\$1,160.00</td> <td>\$18,280.00</td> </tr> <tr> <td>Lost to Recover ("x" for m3) (-)</td> <td></td> <td>13.9</td> <td></td> <td>Workover Fluid/Dsp.</td> <td></td> <td>\$735.00</td> <td>\$20,235.00</td> </tr> <tr> <td>Recovery last 24 hours</td> <td></td> <td></td> <td></td> <td>Wireline/Parting</td> <td></td> <td>\$7,000.00</td> <td>\$27,090.00</td> </tr> <tr> <td>Recovered to Date (-)</td> <td></td> <td></td> <td></td> <td>Stimulation/ETU</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Fluid Pumped to Well (-)</td> <td>127</td> <td></td> <td></td> <td>Cement</td> <td></td> <td>\$250.00</td> <td>\$6,000.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Fishing</td> <td></td> <td>\$3,961.00</td> <td>\$28,281.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Well Testing</td> <td></td> <td></td> <td>\$14,138.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Contract Ser./Misc.</td> <td></td> <td></td> <td>\$24,650.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Supervision</td> <td></td> <td>\$1,800.00</td> <td>\$17,400.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Thru/Wellhead (Tang)</td> <td></td> <td></td> <td>\$18,437.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Other Well Equip.</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3"></td> <td></td> <td>TOTAL</td> <td></td> <td>\$28,951.00</td> <td>\$373,837.00</td> </tr> <tr> <td colspan="3"></td> <td></td> <td>Latest Est. Well Cost</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Fluid Volumes (m3)	Polymer	Water (acid)	Fee	Cost	AFE	Daily Cost	Cumm Cost	Total Fluid Handed to Lease (+)	138.4	129.6		Lease & Road		\$1,080.00	\$13,780.00	Total Fluid Handed from Lease (-)				Service Rig/Rig Move		\$9,175.00	\$134,496.00	Fluid in Tanks (-)	11.4	71		Rentals/Tools		\$2,140.00	\$32,950.00	Non-Rec. Annular Fluid (-)				Camp & Move		\$1,650.00	\$20,120.00	Fluid Lost to Abandonment (-)	55			Safety Equipment		\$1,160.00	\$18,280.00	Lost to Recover ("x" for m3) (-)		13.9		Workover Fluid/Dsp.		\$735.00	\$20,235.00	Recovery last 24 hours				Wireline/Parting		\$7,000.00	\$27,090.00	Recovered to Date (-)				Stimulation/ETU				Total Fluid Pumped to Well (-)	127			Cement		\$250.00	\$6,000.00					Fishing		\$3,961.00	\$28,281.00					Well Testing			\$14,138.00					Contract Ser./Misc.			\$24,650.00					Supervision		\$1,800.00	\$17,400.00					Thru/Wellhead (Tang)			\$18,437.00					Other Well Equip.								TOTAL		\$28,951.00	\$373,837.00					Latest Est. Well Cost			
Fluid Volumes (m3)	Polymer	Water (acid)	Fee	Cost	AFE	Daily Cost	Cumm Cost																																																																																																																																																		
Total Fluid Handed to Lease (+)	138.4	129.6		Lease & Road		\$1,080.00	\$13,780.00																																																																																																																																																		
Total Fluid Handed from Lease (-)				Service Rig/Rig Move		\$9,175.00	\$134,496.00																																																																																																																																																		
Fluid in Tanks (-)	11.4	71		Rentals/Tools		\$2,140.00	\$32,950.00																																																																																																																																																		
Non-Rec. Annular Fluid (-)				Camp & Move		\$1,650.00	\$20,120.00																																																																																																																																																		
Fluid Lost to Abandonment (-)	55			Safety Equipment		\$1,160.00	\$18,280.00																																																																																																																																																		
Lost to Recover ("x" for m3) (-)		13.9		Workover Fluid/Dsp.		\$735.00	\$20,235.00																																																																																																																																																		
Recovery last 24 hours				Wireline/Parting		\$7,000.00	\$27,090.00																																																																																																																																																		
Recovered to Date (-)				Stimulation/ETU																																																																																																																																																					
Total Fluid Pumped to Well (-)	127			Cement		\$250.00	\$6,000.00																																																																																																																																																		
				Fishing		\$3,961.00	\$28,281.00																																																																																																																																																		
				Well Testing			\$14,138.00																																																																																																																																																		
				Contract Ser./Misc.			\$24,650.00																																																																																																																																																		
				Supervision		\$1,800.00	\$17,400.00																																																																																																																																																		
				Thru/Wellhead (Tang)			\$18,437.00																																																																																																																																																		
				Other Well Equip.																																																																																																																																																					
				TOTAL		\$28,951.00	\$373,837.00																																																																																																																																																		
				Latest Est. Well Cost																																																																																																																																																					
<table border="1"> <thead> <tr> <th>Gas Flared (C3M3)</th> <th>Daily</th> <th>Cum</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Gas Flared (C3M3)	Daily	Cum																																																																																																																																													
Gas Flared (C3M3)	Daily	Cum																																																																																																																																																							
<table border="1"> <thead> <tr> <th>Rig Staff:</th> <th>Fred Berchtold</th> <th>Mobile:</th> <th>774-9413</th> </tr> </thead> <tbody> <tr> <td>Project Manager:</td> <td>Mark Bradshaw</td> <td>Phone:</td> <td>234-2340</td> </tr> <tr> <td>Mobile Phone:</td> <td>604-774-1417</td> <td>Channel:</td> <td></td> </tr> <tr> <td>Hotel/Room:</td> <td>Wellsite</td> <td>Phone:</td> <td></td> </tr> <tr> <td>Report From:</td> <td>Boucher/Billy/Care</td> <td>By:</td> <td>Bruce Coffin</td> </tr> <tr> <td>Lease Cond.:</td> <td>Good</td> <td>Temp.:</td> <td>23°C</td> </tr> </tbody> </table>										Rig Staff:	Fred Berchtold	Mobile:	774-9413	Project Manager:	Mark Bradshaw	Phone:	234-2340	Mobile Phone:	604-774-1417	Channel:		Hotel/Room:	Wellsite	Phone:		Report From:	Boucher/Billy/Care	By:	Bruce Coffin	Lease Cond.:	Good	Temp.:	23°C																																																																																																																								
Rig Staff:	Fred Berchtold	Mobile:	774-9413																																																																																																																																																						
Project Manager:	Mark Bradshaw	Phone:	234-2340																																																																																																																																																						
Mobile Phone:	604-774-1417	Channel:																																																																																																																																																							
Hotel/Room:	Wellsite	Phone:																																																																																																																																																							
Report From:	Boucher/Billy/Care	By:	Bruce Coffin																																																																																																																																																						
Lease Cond.:	Good	Temp.:	23°C																																																																																																																																																						
<table border="1"> <thead> <tr> <th>REMARKS:</th> <th>Date: 94-08-09</th> <th>THP: 0 kpa @ 06:00 h</th> <th>CHP: 0 kpa @ 06:00 h</th> </tr> </thead> <tbody> <tr> <td colspan="4">00:00 - 06:00 Hrs. P. O. H. with 152.9 mm x 127 mm I. D. washover tool and mill. Lay down washpipe and tools. Mill in poor shape with beveled O. D. and four splits.</td> </tr> <tr> <td colspan="4">06:00 - 16:00 Hrs. Install wireline flange on top of B.O.P.'s. Start rigging in 2 - 76.2 mm x 35 mpa flanged flare lines from the two HCR's to the manifold shack.</td> </tr> <tr> <td colspan="4">16:00 - 24:00 Hrs. Rig in Atlas Wireline. Held safety and procedure meeting. Atlas ran GR - CCL c/w 150.6 mm gauge ring and junk basket. Tag top of fish (receptical) at 3736 mKB. CCL not working properly. Ran different GR - CCL and correlate casing collars on depth with the Schlumberger Sonic Log - 1986. Maximum temperature recorded was 137°C.</td> </tr> <tr> <td colspan="4">Surface Vent = Open and no blow.</td> </tr> <tr> <td colspan="4">Intermediate casing = 7600 kpa. Bled off to the flare pit to 0 kpa and started making fluid (water). Shut in and monitor pressure build up.</td> </tr> <tr> <td colspan="4">22:00 hours to 07:00 hours = 1500 kpa.</td> </tr> </tbody> </table>										REMARKS:	Date: 94-08-09	THP: 0 kpa @ 06:00 h	CHP: 0 kpa @ 06:00 h	00:00 - 06:00 Hrs. P. O. H. with 152.9 mm x 127 mm I. D. washover tool and mill. Lay down washpipe and tools. Mill in poor shape with beveled O. D. and four splits.				06:00 - 16:00 Hrs. Install wireline flange on top of B.O.P.'s. Start rigging in 2 - 76.2 mm x 35 mpa flanged flare lines from the two HCR's to the manifold shack.				16:00 - 24:00 Hrs. Rig in Atlas Wireline. Held safety and procedure meeting. Atlas ran GR - CCL c/w 150.6 mm gauge ring and junk basket. Tag top of fish (receptical) at 3736 mKB. CCL not working properly. Ran different GR - CCL and correlate casing collars on depth with the Schlumberger Sonic Log - 1986. Maximum temperature recorded was 137°C.				Surface Vent = Open and no blow.				Intermediate casing = 7600 kpa. Bled off to the flare pit to 0 kpa and started making fluid (water). Shut in and monitor pressure build up.				22:00 hours to 07:00 hours = 1500 kpa.																																																																																																																							
REMARKS:	Date: 94-08-09	THP: 0 kpa @ 06:00 h	CHP: 0 kpa @ 06:00 h																																																																																																																																																						
00:00 - 06:00 Hrs. P. O. H. with 152.9 mm x 127 mm I. D. washover tool and mill. Lay down washpipe and tools. Mill in poor shape with beveled O. D. and four splits.																																																																																																																																																									
06:00 - 16:00 Hrs. Install wireline flange on top of B.O.P.'s. Start rigging in 2 - 76.2 mm x 35 mpa flanged flare lines from the two HCR's to the manifold shack.																																																																																																																																																									
16:00 - 24:00 Hrs. Rig in Atlas Wireline. Held safety and procedure meeting. Atlas ran GR - CCL c/w 150.6 mm gauge ring and junk basket. Tag top of fish (receptical) at 3736 mKB. CCL not working properly. Ran different GR - CCL and correlate casing collars on depth with the Schlumberger Sonic Log - 1986. Maximum temperature recorded was 137°C.																																																																																																																																																									
Surface Vent = Open and no blow.																																																																																																																																																									
Intermediate casing = 7600 kpa. Bled off to the flare pit to 0 kpa and started making fluid (water). Shut in and monitor pressure build up.																																																																																																																																																									
22:00 hours to 07:00 hours = 1500 kpa.																																																																																																																																																									

08-08-94 04:43

403 234 424 Plains PBU Completions & W/O

320 P

Amoco Canada Petroleum Company Limited
Completion/Repair Report

Date: 94-08-08

Report No. 13

Lease & Well No. Amoco A-1 Pointed Mountain P-53			
Job Objective: Workover		Contractor & Rig No. Drive #41	
Well No: 993746023	AFE/Project No: 56102400	Acct No: 9999/1	
Formation: Nabarni	Daily Rig Hr: 24	Accum to Date: 296	
Daily Inspection: YES NO	Safety Meeting: YES NO	Total Depth: 4361.69	PSTD: 4136.14
Present Operations: Trip out w/ Lower St.			

Field Volumes (m3)	Oil	Water
Total Fluid Pumped to Well	1322.0	1322.0
Recovery lost 24 hours		
Recovery to Date		
Fluid Pumped to Lease	55	268
Fluid in Tanks	4	115.7
Non-Pne. Annular Fluid		
Fluid Lost to Abandonment		
Lost to Recovery (P or W)	55	152.3
Gas Flared (E/M)	0	0

Fee	Cost Description	AFE	Daily Cost	Cost to Date
	Lease & Road		16.0	1322.0
	Service Rig/Rig Move		103.0	1353.1
	Ramover/Tools		2.40	307.0
	Camp & Move		16.70	1820.0
	Safety Equipment		11.60	1510.0
	Wellbore Fluid/Disp.		73.5	1950.0
	Wireline/Logging			2009.0
	Stimulation/ETU			
	Cement		2.50	525.0
	Fishing		3.00	2430.0
	Well Testing			1418.0
	Contract Ser./Misc.			2461.0
	Supervision		12.00	1560.0
	Time/Wellhead (Temp)			7145.7
	Other Well Equip			
	TOTAL		196.15	3448.66
	Latest Est. Well Cost			3024.000

Site Manager: Fred Barkfield Mobile: 604-724-9473
 Project Manager: A. Bishara Phone: 334-2240
 Mobile Phone: 604-724-4172
 Well No: 993746023
 Lease From: Bishara/Conroy To: Rose/Sullivan
 Lease Card: A.K. Smoky Term: +18°C

REMARKS: Date: 94-08-07 THP: 7600 Kpa Int Crg 7600 Kpa
 00:00-00:15 (0.25) Rig service Function Annular (P Seal Stated)
 00:15-02:30 (2.25) Tripping out
 02:30-03:30 (1.00) Slip & end Drill line
 03:30-07:00 (3.50) Tripping out
 07:00-07:15 (0.25) Rig service Function Pipe runs (3 seals closed)
 07:15-09:00 (1.75) Finish trip out. Lay down metal monkey mill Function Broken
 09:00-14:00 (5.00) Make up washover shoe & wash pipe. Tripping in
 14:00-14:15 (0.25) Rig service Function annular (P Seal Stated)
 14:15-16:15 (2.00) Tripping in
 16:15-21:15 (5.00) Break over Attempt to mill over fish No progress
 21:15-21:45 (0.50) Circ. Recovered some metal slaker
 21:45-24:00 (2.25) Lay down large class "C" drill pipe. Mill shoe dragging
 Continue tripping out w/ shoe & wash pipe

Third metal monkey was down on full face of mill.

~~23-28-94~~ 24:41

403 234 42 Plains PBU Completions & W/O

328 F

Amoco Canada Petroleum Company Limited
Completion/Repair Report

Date: 9Y-08-07

Report No. 12

Lease & Well No. <u>Amara A-1 Painted Mountain P-53</u>			
Job Objective: <u>Workover</u>		Contractor & Rig No.: <u>Drive #41</u>	
Well Page: <u>993746023</u>	AFR/Project No.: <u>5610 2400</u>	Acct No.: <u>9999 //</u>	
Formation: <u>Nubanni</u>	Daily Rig Hrs: <u>24</u>	Accession No.: <u>272</u>	
Daily Inspection: <u>(E) NO</u>	Safety Meeting: <u>(E) NO</u>	Total Depth: <u>4361.69</u>	MDT: <u>4/36.14</u>
Present Operations: <u>Tris out w/ Metal Muncher mill @ 0600LW.</u>			

Fluid Volumes (m3)	Oil	Water
Total Fluid Pumped to Well	<i>Polymer</i>	<i>injection</i>
Recovery Inst 24 hours		
Recovery to Date		
Total Fluid Hauled to Lease	<i>35</i>	<i>268</i>
Total Fluid Hauled from Lease		
Fluid in Tanks	<i>4</i>	<i>115.2</i>
Reserves, Estimated Fluid		
Fluid Loss to Abandonment		
Lead to Recover P* for NPV	<i>55</i>	<i>158.3</i>
Cost (Fixed) (F\$M)	Cost	Cost

Fee	Cost Description	AFE	Entry Cost	Current Cost
	Lease & Road		1060	11660
	Service Rigging Move		2995	117301
	Rentals/Tools		2170	20670
	Camp & Move		1650	16220
	Safety Equipment		1140	13970
	Workover Fluid/Disp.		4425	18765
	Wiring/Perfing		—	20070
	Administration/STU		—	—
	Chemical		250	5500
	Fishing		7200	20900
	Well Testing		—	19132
	Contract Ser./Misc.		—	24650
	Supervision		1200	14400
	Thru/Wellhead (Tong)		—	18932
	Other Well Equip		—	—
	TOTAL		20570	222251
	Largest Est. Well Cost			3,031,000

Asst. Manager: <u>Paul Barthold</u>	Mobile: <u>604-779-9978</u>
Project Manager: <u>M. Bradshaw</u>	Phone: <u>234-7719</u>
Mobile Phone: <u>604-779-1517</u>	Clipping:
Home Base: <u>1001/40</u>	Phone:
Report Title: <u>Barthold/General</u>	To: <u>Barry Gille</u>
Leave Code: <u>0000</u>	Tr: <u>+2900</u>

Surface Vent @ Km Ind Cg 7000 Km?

REMARKS:	Date:	TMP:	DP:
00:00 - 00:15 Rig service. Function pipe runs. (Closed 3 sec)	94-0P-01	124.0	124.0
00:15 - 04:15 (40) Trip in to top of fish			
04:15 - 12:00 (275) Break circ. Tag fish @ 3222.97 m. Mill and fish.			
12:00 - 12:15 (0.25) Rig service. Function annular (Closed 8 sec)			
12:15 - 23:15 (11.0) Mill on fish to 3229.25 m (6.88 m).			
23:15 - 24:00 (0.75) Circ. until returns were clean. Begun to trip out.			
Mill starting w/ very little weight. Progress very slow. Approx 0.5 m in last 5 hrs.			

08-06-94 07:33

483 234 4242 Plains PBU Completions

319 P02



Dowell

Dowell Division
of Schlumberger Canada Limited

DRILLING FLUID REPORT

DATE AUG 6, 94
REPORT No. 2
SPUD DATE RE-ENTRY

WELL NAME <u>AMOCO A-1 POINTED MTN.</u>				LOCATION <u>FT. LIARD, N.W.T.</u>			
OPERATOR <u>AMOCO CANADA PETROLEUM</u>				CONTRACTOR <u>DRIVE #41</u>			
REPORT FOR Mr. <u>PHIL BOETTCHER</u>				REPORT FOR Mr. <u>FRED BERENTOLD</u>			
ASSEMBLY		CASING		MUD Vol. (m ³)		PUMP OUTPUT	
BIT SIZE / # <u>1 1/2</u>		COND. <u>SURFACE</u>		TANKS <u>30</u>		PUMP SIZE <u>140X203</u>	
DRILL PIPE <u>89</u> mm		INTER. <u>121</u> mm		MOLE <u>30</u>		m ³ /STK. <u>0.09375</u>	
DRILL COLLARS <u>121</u> mm		TOTAL <u>90</u>		S.P.M. <u>80</u>		PUMP PRESS. <u>4000</u>	
OTHER <u>ALL-60.63</u>		STANDBY <u>-</u>		m ³ /min. <u>0.75</u>		CIRC. TIME <u>120</u> B.U.P. <u>75</u>	
HOLE DATA				DESANDER/DESILTER			
MUD TYPE <u>POLYMER</u>				FLOWLINE WT. <u>1000</u> kg/m ³			
HOLE COND. <u>=</u>				UNDERFLOW WT. <u>30-40</u> kg/m ³			
DEVIATION <u>=</u>				OVERFLOW WT. <u>N/C</u> kg/m ³			
CURRENT OP. <u>MIXING</u>				UNDERFLOW RATE <u>N/C</u> m ³ /min.			
EQUIPMENT: ☐ DEGASSER ☐ DESILTER ☐ DESANDER ☐ CENTRIFUGE ☐ DOUBLE DECK OR HIGH SPEED SHAKER							
SAMPLE FROM FL ☒ PIT ☐				MATERIALS INVENTORY & COST			
TIME SAMPLE TAKEN <u>0645</u>				INITIAL RECEIVED USED BALANCE COST			
PRESENT DEPTH (m) <u>3728</u>				MATERIALS			
FLOWLINE TEMPERATURE (°C) <u>21</u>				NEUTRALINE <u>140</u>			
DENSITY (kg/m ³) <u>1000</u>				NEC-10 <u>52</u>			
FUNNEL VISCOSITY (mL) <u>33</u>				CAUSTIC <u>60</u>			
APPARENT VISCOSITY (mPa.s) <u>6</u>				FLUOREX <u>40</u>			
PLASTIC VISCOSITY (mPa.s) <u>4</u>				FLR <u>74</u>			
YIELD POINT (Pa) <u>2</u>				EXCIDE <u>10</u>			
GELS @ 10 min. (Pa) <u>0.1</u>				1000W00 <u>26</u>			
pH STRIP ☒ METER ☐				HYDROLYSE <u>76</u>			
FILTRATE ☒ API ☐ HT HP (cm ²) <u>N/C</u>				BICORR <u>25</u>			
FILTER CAKE (mm) <u>0.5</u>				FIBERGLASS <u>203</u>			
ALK ☒ (PFMF) ☐ (PMLME) <u>0.6</u>				CALCO2-0 <u>714</u>			
TOTAL HARDNESS ☐ Ca ☐ Mg (mg/L) <u>140</u>				CALCO2-AM <u>162</u>			
SAL ☐ NaCl ☐ CL (mg/L) <u>50</u>				CALCO2-LAT <u>106</u>			
SAND CONTENT (%) ☐ (2) ☐ <u>0</u>				VALUICE <u>8</u>			
SOLIDS CONTENT (%) ☐ (2) ☐ <u>0</u>				ITS-200 <u>34</u>			
OIL/WATER CONT. (%) ☐ (2) ☐ <u>1.00</u>				EMCO2 <u>30</u>			
MST (kg/m ³) ☐ 1% ☐ OIL RET ☐ <u>0</u>				PREVIOUS COST <u>841.32</u>			
ELECTRICAL STABILITY (V) <u>-</u>				DAILY COST <u>2608.32</u>			
OIL/WATER RATIO <u>-</u>				CUM. COST <u>2449.64</u>			
Cement <u>SULPHIDES</u> <u>NIL</u>				CUM. ENG. COST <u>2800.00</u>			
COMMENTS: <u>① MAINTAIN VISCOSITY @ 30-40 cc/L WITH NEC</u>				STARTING VOLUME <u>-</u>			
<u>AND 1000W00, ONE SCK OF EACH OVER A CIRCULATION</u>				VOL. BUILT <u>-</u>			
<u>IF NECESSARY.</u>				VOL. LOST ON SURFACE <u>-</u>			
<u>② TREAT SYSTEM WITH TWO CONTAINERS OF</u>				VOL. LOST SUB SURFACE <u>-</u>			
<u>EXCIDE 207, ONE HOUR AHEAD - OBSERVE SAFE</u>				END VOLUME <u>-</u>			
<u>MIXING PROCEDURES - MATERIAL IS TOXIC.</u>				CUM. VOL. BUILT <u>-</u>			
<u>③ PRIOR TO ANY TRIP, MIX 2 - 20 L TANKS OF</u>							
<u>ITS-200 OVER 20 MIN INTO THE SUCTION TANK - PUMP</u>							
<u>10 ADDITIONAL MINUTES BEFORE STARTING OUT OF THE</u>							
<u>HOLE - OBSERVE SAFE HANDLING PROCEDURES - MATERIAL</u>							
<u>IS TOXIC.</u>							
STOCK POINT <u>FORT-ST. JOHN, B.C.</u>				DOWELL ENGINEER <u>GARY JOHNSTON</u>			
PHONE <u>604-785-4222</u>				PHONE <u>403-565-2458</u> MOBILE <u>403-0206</u>			

THE INFORMATION IN THIS REPORT IS BASED ON OUR EXPERIENCE, REPRESENTS OUR BEST JUDGMENT IN THE MATTER AND IS INTENDED TO BE HELPFUL BUT WE CANNOT ASSUME RESPONSIBILITY FOR ANY LOSS OR ACCIDENT THAT MAY RESULT FROM ITS USE. FURTHERMORE, NOTHING CONTAINED HEREIN SHALL BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT IN CONFLICT WITH EXISTING PATENTS COVERING ANY MATERIALS OR USE.

08-06-94 07:32

403 234 4242 Plains F&E Completions W/O

319 P01

oco Canada Petroleum Company Limited Completion/Repair Report

Date: 94-08-06

Report No. 11

Lease & Well No. AMOCO A-1 POINTED MOUNTAIN P-53			
Job Objective: WORKOVER		Contractor & Rig No.: DRIVE 41	
Well Plan: 9437	AFE/Project No.: 56102400	Acct No: 9999	
Formation: NAHANNI	Daily Rig Hrs: 24	Accum to Date: 248	
Daily Inspection: (YES) NO	Safety Meeting: (YES) NO	Total Depth: 4361.69	PSTD: 4136.14
Present Operations: Mill on the way w/ Tristate Metal Munster @ 0600 hrs.			

Fluid Volumes (m3)	Polymer	Water
Total Fluid Hauled to Lease	55	2.68
Total Fluid Hauled from Lease		
Fluid in Tanks	0	115.7
Total Load Fluid	55	152.3
Non-recoverable Annular Fluid		
Recovery last 24 hours		
Recovered to Date		
Load to Recover ("+" for NF)	55	152.3
Gas Stored (23M3)	0	0

Rig Manager: F. BIRCHFIELD	Mobile: 774 9413
Project Manager: M. BRADSHAW	Phone: 234-2340
Mobile Phone: 604 774 1417	Channel:
Hotel/Room: WELLSITE	Phone:
Report From: BOETTHER / CANANS	To: B. COLLIN
Lease Card: 6000-Smart	Temp: +20°C

Fee	Cost Description	AFE	Daily Cost	Current Cost
	Lease & Road		1060	10600
	Service Rig/Rig Move		8395	104906
	Rentals/Tools		2140	26580
	Camp & Move		1650	15120
	Safety Equipment		1160	13280
	Workover Fluid/Disp.		3235	14280
	Wireline/Perfor		—	20020
	Simulation/STU		—	—
	Cement		750	5250
	Fishing		4100	16200
	Well Testing		—	14130
	Contract Ser. Adm.		—	24650
	Supervision		1200	13200
	Traffic/Wellhead (Yang)		—	18432
	Other Well Equip		—	—
	TOTAL		25690	300711
	Latest Est. Well Cost			2024000

REMARKS:	Date: 94-08-05	Time: 0	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
	00:00-01:30 (1.5) Tripping in 01:30-02:00 (0.5) Slip + cut drill line 02:00-03:30 (2.5) Finish trip in 03:30-05:30 (1.0) Rotate down into fish. No string wt diff. Work down 1.5m. 05:30-07:30 (2.0) Start trip out. 07:30-09:45 (0.35) Rig service. Function Pipe rams (3 sec close) + Annular (8 sec close) 09:45-11:30 (6.35) Finish trip out. Recover 1.5m the fuel at scale 11:30-14:45 (0.35) Rig service. Function Blind rams (3 sec close) 14:45-21:00 (6.35) Wait on Tristate mill 21:00-24:00 (3.0) Make up mill. Start trip in Mill left F&E. BS. @ 02:20 hrs. Hotshot truck broke down @ Mile 70 on Highway #77. Driver hitched ride back to Ft. Nelson. Picked up alternator and repaired truck. Approx 8 hr drive to Ft. Nelson required 11.5 hrs to complete.																

Date: 94-08-05

New Canada Petroleum Company Limited Completion/Repair Report

Report No. 10

Lease & Well No. AMOCO A-1 POINTED MOUNTAIN P-53			
Job Objective: WORKOVER		Contractor & Rig No.: DRIVE 41	
Well No.: 993746023	APL Project No.: 56102400	Asset No: 9999	
Formation: NANANU		Daily Rig No.: 24	Access to Date: 224
Daily Inspection: (YES) NO	Safety Meeting: (YES) NO	Total Depth: 4361.69	PS/TD: 4136.14
Present Operations: Trip out w/ overshot @ 0600 hrs.			

Fluid Volumes (m3)	Oil	Water	Pos	Cost Description	APL	Daily Cost	Comm Cost
Total Fluid Hauled to Lease	55	268		Lease & Road		1060	9540
Total Fluid Hauled from Lease				Service Rigging Move		1020	100511
Fluid in Tanks	8	116.2		Rentals/Tools		3940	27390
Total Load Fluid	55	152.3		Camp & Move		1650	13520
Non-recoverable Annular Fluid				Electric Equipment		1860	11630
Recovery last 24 hours				Weather Fluid Disp.		235	11045
Recovered to Date				Winch/Pulling			20070
Load to Recover (m ³ for BP)	55	152.3		Skid/Platform			
Gas Flared (23421) Daily				Camp		250	4500
				Feeding		2300	10600
				Well Tending			14132
				Contract Ser. Adm.			34650
				Supervision		1200	12000
				Trip/Workover (Tang)			18427
				Other Well Equip			
				TOTAL		14815	225021
				Latest Est. Well Cost			303400

REMARKS:	Date: 94-08-04	Time: 07:00	Int. Rep. Unit: 0
00:00 - 02:00 Wait on fishing rig. 04:00 - 10:30 Make up overshot, whip pipe & trip in and tag fish @ 2732.4m 10:30 - 12:00 Tag fish and work overshot down 1.8m. Puddled out 3m but ran back down, tagged 1.8m lower. 12:00 - 12:15 Rig service. Function pipe down. Closed 3 sec. 12:15 - 3:00 Trip out overshot & fish, key down 2m. 19mm tag. 21:00 - 21:30 Repair overshot skirt. 21:30 - 24:00 Make up overshot & 19mm grapple Trip in w/ extended overshot Pipe displacing water over the top when 4-5m above floor. Slow trip in hole. No losses to well bore. Valve leaking in separator building on lease. Picking up low H ₂ S readings @ Monkey board off at tank. Safety & procedures update meeting w/ crews. Moved in extra sleeper to remain camp. Appear to see shadows approx 1.6m of fish.			

Lease & Well No. **AMOCO A-1 POINTED MOUNTAIN P-53**
 Job Objective: **WORKOVER** Contractor & Rig No.: **DRIVE 41**
 Well No.: **993 746 023** AFE/Proposal No.: **561 024 00** Asset No.: **9999**
 Formation: **NAHANNI** Daily Rig Hrs: **24** Access to Date: **176**
 Daily Inspection: **YES** NO Safety Meeting: **YES** NO Total Depth: **4364.69** PSTD: **413614**
 Present Operations: **Running w/ 98.4mm overlot 0600hrs**

Fluid Volumes (m3)	Oil	Water	Fee	Cost Description	AFE	Daily Cost	Sum Cost
Total Fluid Mined to Lease	95	268		Lease & Road		1060	7420
Total Fluid Mined from Lease				Service Hoisting Move		12890	24471
Wash to Vessel	8	116.7		Removal/Tests		2430	19310
Total Load Fluid	55	151.3		Camp & Move		1460	10220
Non-recoverable Annular Fluid				Safety Equipment		1400	9300
Recovery last 24 hours				Workover Fluid/Clap.		12.0	9575
Recovered to Date				Welding/Perfor.		1500	20090
Lost to Formation ("+" for BH)	55	151.3		Remediation/ETU			
Gas Displacement (m3) Daily				Current		250	3080
				Flaring		1200	4500
				Well Testing		1792	12892
				Contract Bar Adhes.		2200	24650
				Supervision		1300	9000
				Trip/Walkoff (Tong)			10517
				Other Well Equip			
				TOTAL		31692	234295
				Latest Est. Well Cost			2024000

Rig Manager: **D. CAMERON** Mobile: **774 9413**
 Project Manager: **M. BARNES** Phone: **234 2340**
 Mobile Phone: **604 774 1417** Email:
 Host/Owner: **WELL SITE** Phone:
 Report From: **BOOTHBY/CARLIS** To: **A. COLLIN**
 Lease Field: **GOOD** Temp: **-20°C**

REMARKS: Date: **94-08-02** Trip: **0** EPA: **0** N: **0** CMP: **0** MP: **0**

FINISH PICKING UP 88.9mm DRILL PIPE
 TAG TOP OF FISH < 88.9mm R NIPPLE > @ 3728 mka.
 PICK UP TO 3721 mka + MIX A 5m³ HEC + CACO3 PILL.
 PUMP 1m³ OF PILL + P.P. + POUR 2 SK POULTRY GRIT + P.P. + FOLLOW
 W/ 4m³ OF PILL + 9.5m³ FRESH H₂O. PUMP W/ P.P. PRESS.
 LET SIT 15 min. + REPEAT W/ 4 SK POULTRY GRIT. P.P. PRESS.
 LET SIT 30 min. + BREAK CIRC. W/ 1m³ H₂O. CIRC BITTMS UP -
 - CLEAN. PRESS. TEST WELL BORE TO 2.5m 5mm. - GOOD
 1250 HRS. START MILLING OVER FISH. WORK TIGHT SEAT @
 3728.34 mka + UNABLE TO MILL PAST 3738.47 mka
 UNABLE TO GET ANY TORQUE. TRY DIFFERENT PUMP RATES, RPM +
 WT. ON MILL < MAX. 10,000 LBS > MILL APPROX. 4 HRS. W/ NO TORQUE
 BACK KELLY + LAY DOWN 1 JT. P.O.H. - 190 STANDS 88.9mm RL

Safety meeting + work around inspection w/ both crews.

Mud Cost \$1642.00
 MATERIAL USED FOR 2-5m³ PILLS
 - 2 SK H.E.C. (POLYMER)
 - 14 SK CACO3 (< 0° FINE GRIND)
 - 6 SK CACO3 (< MED-FINE GRIND)
 - 6 SK POULTRY GRIT.

- LOAD + HAUL OUT TO TURBOCORE NISKU - 374 JTS. 114mm
 CS MIDDLE TBG. ALSO WELL HEAD EQUIP. TO FMC +
 RENTAL 245mm BOP STACK TO BIG "D".
 - REVERSE ATLAS WIRELINE CROW + FMC WELL HEAD REP.

uco Canada Petroleum Company Limited Completion/Repair Report

Date: 94-08-02

Report No. 7

Lease & Well No. <u>Amoco A-1 Printed Mountain P-53</u>			
Job Objective: <u>Workover</u>		Contractor & Rig No.: <u>DRIVE 41</u>	
Well Name: <u>992 946 023</u>	AFE/Project No.: <u>561 024 00</u>	Acct No.: <u>9999</u>	
Permit No.: <u>N/A HAWNT</u>	Daily Rig Wgt: <u>24</u>	Amount to Date: <u>152</u>	
Daily Inspection: <u>YES</u> NO	Safety Meeting: <u>YES</u> NO	Total Depth: <u>4361.67</u>	POSTED: <u>4136.14</u>
Present Operations: <u>Pick up Drill pipe</u>			

Fluid Volume (m3)	Oil	Water	Pos	Cost Description	AFE	Daily Cost	Current Cost
Total Fluid Mined to Lease	55	26.0		Lease & Rig		1060	6360
Total Fluid Mined from Lease				Surface Rigging Move		2230	7591
Fluid in Tanks	8	139.7		Roadside/Tools		2430	16810
Total Load Fluid	55	120.3		Camp & Move		1460	1760
Non-recoverable Annular Fluid				Safety Equipment		1400	7100
Recovery lost 24 hours				Workover Fluid/Slip.		1210	7165
Recovery lost to Date				Workover Fluid/Slip.		1500	11570
Lost to Recovery (C +) for NF1	55	120.3		Simulation/TV			
Cost of Fluid (B2M2) Daily				Connect		250	2350
				Flaring		2800	3100
				Well Testing		2950	10580
				Contract SW. Adm.			30450
				Expatriation		1800	2800
				Tally/Warehouse (Yard)		10672	10517
				Other Well Costs			
				TOTAL		34867	143251
				Latest Est. Well Cost			34867

SV 2600 INT VENT 2600			
REMARKS:	Date: 94-08-01	THW: 2600	CD: 2600
0800-0930 HRS INSTALL NEW 304-21MPa-R-57 x 177.8mm-21MPa-R-46			
T&G SPAN w/ NEW PRIMARY & SECONDARY SEALS. EMERGENCY SEALS			
9 PRESSURE TEST To 21 MPa T&G B&B 2-177.8mm x 35 MPa			
DOUBLE GATES 1-177.8mm x 35 MPa ANNULAR Plus Kill & HCR VALVES			
PRESSURE TEST ANNULAR R&S To 20.7 MPa FOR 10 MIN			
PRESSURE TEST 88.9mm PIPE R&S To 20.21 MPa FOR 10 MIN			
PRESSURE TEST ANNULAR BOP To 20.10 MPa FOR 10 MIN 0900-1130			
MAKE UP BP RETIGHTEN OVER SHOT ON 88.9mm DP RIN & LATCH			
ON TO BP AT 205 M RELEASE BP & ADD WASH ON VACUUM			
1030-1200 Make up wash over shoe, 3000 wash pipe, 6-Drill-allow.			
1200-1215 Rig Service			
1215-2400 Run in D.P. Sim Derrick (60 studs) Tally, drift & run			
Drill pipe from racks. 295 sts in hole @ 3400 hrs.			
Safety meeting with clients on all pack briefing areas and			
picking up pipe w/ pickup line.			

oco Canada Petroleum Company Limited Completion/Repair Report

Date: 94-08-01

Report No. 6

Lease & Well No. <u>Amoco A-1 Painted Mountain - P-53</u>					
Job Objective: <u>WORKOVER</u>			Contractor & Rig No.: <u>DRIVE 41</u>		
Well No.: <u>998 746 023</u>		APL Project No.: <u>56102400</u>		Acct No.: <u>9999</u>	
Formation: <u>NANAHUT</u>		Daily Rig Hrs: <u>24</u>		Account to Date: <u>128</u>	
Daily Inspection: <u>YES</u> NO		Safety Meetings: <u>YES</u> NO		Total Depth: <u>4361.69</u> PBD: <u>4136.14</u>	
Present Operations: <u>AT 0600 HRS PRESSURE TESTING BOP</u>					

Fluid Volumes (m3)	Oil	Water
Total Fluid Moved to Lease	55	208
Total Fluid Moved from Lease		
Fluid in Tanks	2	122.7
Total Load Fluid	55	120.8
Non-recoverable Annular Fluid		
Recovery last 24 hours		
Recovered to Date		
Load to Recover (m3 for NP)	55	120.8
Gas Saved (F3M3) Daily		

No. Manhours: <u>10</u>	Manhours: <u>771-4413</u>
Project Manager: <u>Bob Smith</u>	Phone: <u>284-2240</u>
Mobile Phone: <u>404-724-1417</u>	Chart:
Headline: <u>WELL-SITE</u>	Phone:
Asset Name: <u>PAINTED MOUNTAIN/AMCO</u>	To: <u>A. COLLIN</u>
Lease Code: <u>Good</u>	Time: <u>2.20</u>

Fee	Our Description	APL	Daily Cost	Owner Cost
	Lease & Rig		1000	2300
	Service Rig/Rig Move		700	636.91
	Rentals/Tools		2400	14450
	Camp & Move		1400	9300
	Safety Equipment		1400	6500
	Weathered Fluid/Slip.		125	7155
	Wireline/Fishing		4000	17090
	Simulation/STU			
	Convent		1500	1500
	Plotting		300	500
	Well Testing		1000	9450
	Contract for Misc.		3000	20450
	Supervision		1200	6000
	Time/Warehouse (Temp)			
	Other Well Equip			
	TOTAL		48375	152386
	Latest Est. Well Cost			3034000

SU ZERO INT VENT ZERO

REMARKS:	Date: 94-07-31	THP: ZERO	Wp: 0	CDP: ZERO	Wp: 0
----------	----------------	-----------	-------	-----------	-------

0000-1200 HRS WAIT ON WL. RTLS WAS DELAYED 4 HRS IN GP WAITING ON BAKER NOT SHOT-RTLS ARRIVED AT THE BASE AT 2200 HRS. THE FOG ON THE RIVER WAS TOO THICK - BAKER UNABLE TO LEAVE FT LIARD UNTILL 0700 HRS. TOTAL TIME LOST BECAUSE OF BAKER 15 HRS. WHILE WAITING ON WL PICK UP 9 RIN 120 ITS DP & POOH STANDING 200-200MM WITH RTLS WL RIN W/ JUNK BASKET GAUGE RING TO 280 CM LOG STRIP RIN CORRELATE & SET A BAKER 172.8mm WL SET TBG RETRIEVABLE AP AT 205 MRR. REPAIR LOWER 254mm WHD CHANGE OVER 300mm HANGER SCREWS & PRESSURE TEST BP TO 7MPa FOR 10 MIN PIG OUT WL. 1800 - 2400 HRS REMOVE 254mm ANNULAR DOUBLE GATE CHANGEOVER SPCL & BOP KILL VALVES. REMOVE 254mm HANGER SPOOL 254mm WHD PREVENTER 254mm CHANGE OVER SPOOL & WHD CHANGE OVER SPOOL KILL VALVES. ALL WHD NUTS & BOLTS WERE EXTREMELY DIFFICULT TO REMOVE. WANCHES & SNIPES REQUIRED TO REMOVE ALL THE WHD NUTS. 172.8mm BSC STICK UP IS IN GOOD CONDITION UPPER INTERMEDIATE. 3098mm FLANGE IN GOOD CONDITION BSA TRUCK & CAT REQUIRED TO REMOVE BOP & WHD FROM UNDER SUR. PREPARE TO INSTALL NEW TBG. THE WELL HAS REMAINED DEAD SINCE KILLED. PUMPING 30-30m HRS PER DAY TO KEEP WELL DEAD. THE FLUID LEVEL IN THE WELL IS UNKNOWN. THERE HAS BEEN NO SIGN OF ANY GAS MIGRATION. & NO RETURN FLUIDS TO SURFACE TO-DATE. REPLACING SAFETY BOSS HAS SENSORS THERE HAS BEEN TO MANY FALSE ALARMS.

WHD PRESSURE AT A-2 ZERO

08-22-94 08:55

403 234 4242 Plains PBU Completions & W/O

311 P81

Amoco Canada Petroleum Company Limited
Completion/Repair Report

Date: 94-07-31

Report No. 5

Lease & Well No. Amoco A-1 POINTED MOUNTAIN P-53			
Job Objective: WORK-OVER		Connector & Rig No.: DRIVE 41	
Well No.: 993 746 023	AFE/Project No.: 56102400	Acct No.: 9999	
Formation: NA HAWNT		Daily Rig Hrs: 24	Accum to Date: 104
Daily Inspection: YES NO	Safety Meeting: YES NO	Total Depth: 4861.69	PSTC: 4136.14
Present Operations: WAIT ON ATLAS W/L PLANNING			

Fluid Volumes (m3)	Oil	Water
Total Fluid Pumped to Well	55	117
Reservoir lost 24 hours		
Recovered to Date		
Total Fluid Mixed in Lease	55	208
Total Fluid Mixed with Lease	0	0
Fluid in Tanks	0	86
New/Re: Annular Fluid		
Fluid Lost to Abandonment		
Lost to Annular P.O. for HPI	55	117
Gas Flared (2348) (m3)	0	0

Job Manager: D. Campbell	Mobile: 774-9413
Project Manager: B. Smith	Phone: 234-1340
Mobile Phone: 604-774-1417	Channel:
Head Office: WILM-SITE	Printer:
Report From: B. Smith/Amoco	To: B. Collins
Lease Code: Good	Taxes: 4.15 B/W

Fee	Cost Description	AFE	Entry Cost	Open Cost
	Lease & Road		1050	4240
	Service Rigging Move		7730	35201
	Rentals/Tools		2430	12080
	Camp & Move		1460	5740
	Safety Equipment		1400	5100
	Wellbore Fluid/Clog		1285	5270
	Wireline/Porting		2280	12090
	Simulation/ETU		-	-
	Grout		-	-
	Fishing		-	-
	Well Testing		1800	6400
	Contract Gas/Air		-	16350
	Expansion		1200	2800
	Tubs/Wellhead (T&H)		-	-
	Other Well Equip		-	-
	TOTAL		20855	130011
	Latest Est. Well Cost			3034000

REMARKS:	Date: 94-07-30	THP: 2600	WPA: 0	h	GP: 2600	WPA: 0	n
0000-1600 HRS CONTINUE TO POOL & LAY DOWN THE 119.3mm T&G STRONG AS EULONS 4-119.3mm C-75 CS HYDRA PUP IT 1-119.3mm BAKER F' NIPPLE 274 IT OF 119.3mm C-75 CS HYDRA 1-119.3mm BAKER F' NIPPLE X-DUEG 3-88.9mm C-75 CS HYDRA PUP IT 1- MODEL 'L' SLIDING SLEEVE & 9.72m OF THE 88.9mm-88.9mm C-75 CS HYDRA IT IMMEDIATELY ABOVE THE 88.9mm 'R' NIPPLE AT 3725.50mB THE 88.9mm IT WAS CORRODED OFF 0.17m ABOVE THE 'R' NIPPLE TOP OF FISH LOOKING UP IN 0.17m OF 88.9mm T&G W/ THE 88.9mm 'R' NIPPLE IMMEDIATELY BELOW TOTAL FISH TO SWALLOW TO THE TOP OF THE BAKER MODEL 'L' 29-32 PACKER IS 29.29m THERE IS SIGNIFICANT SCALE BUILD UP IN THE BHA THAT WAS RECOVERED THE 119.3mm C-75 CS HYDRA T&G CONDITION APPEARS GOOD W/ SOME SCALE BUILD UP ON THE LOWER END OF THE STRONG SCALE SURFACE WAS RECOVERED & SEALED IN PLASTIC 1600-2400 HRS WAIT ON ATLAS W/L ATLAS W/L WAS HUNG UP IN GP FOR 6 HRS BECAUSE BAKER GP DID NOT HAVE THE RIGHT SETTING SLEEVE BAKER WAS INFORMED BY US TO MAKE SURE THEY HAD THE RIGHT SETTING SLEEVE WELL IN ADVANCE THIS IS THE SECOND TIME BAKER GP HAS SUPPLIED THE WRONG SETTING SLEEVE & HUNG UP THE RIG OPERATION WHA PREPARED AT A-2 ZERO							

Amoco Canada Petroleum Company Limited
Completion/Repair Report

Date: 94-07-30

Report No. 4

Lease & Well No. Amoco A-1 POINTED MOUNTAIN P-52			
Job Objective: WORK-OVER		Contractor & Rig No.: DAVE 41	
Well No.: 993 746 023	AFE Project No.: 561 02400	Acct No.: 9999	
Formation: NA HANUT		Daily Rig Hrs: 24	Amount to Debt: 80
Daily Inspection: YES NO	Safety Meeting: YES NO	Total Depth: 9361.69	PERD: 4136.14
Present Operations: CONTINUE TO PDM W/ 114.3 mm TBG			

Fluid Volumes (m3)	Oil	Water
	Polymers	Control
Total Fluid Pumped to Well	55	80
Recovery lost 24 hours		
Recovery to Date		
Total Fluid Needed to Lease	55	310
Total Fluid Needed from Lease	0	0
Fluid in Tanks	0	130
Non-Pol. Annular Fluid		
Fluid Lost to Abandonment		
Lost to Recovery (1" for 100)	55	80
Gas Flared (5250)		
Debit		
Cur:		

Rig Manager: D. GARDNER	Mobile: 774-9413
Project Manager: Anderson	Phone: 234-2240
Mobile Phone: 604-774-4417	Channel:
Control Room: W811-2178	Phone:
Report From: BOB TCHEN/Amoco	To: B. GILLEN
Lease Cond.: Good	Term: + 15

Fee	Cost Description	AFE	Daily Cost	Current Cost
	Lease & Road		1000	3100
	Service Rig/Rig Move		1000	2100
	Rentals/Tools		4280	9500
	Camp & Move		1400	1500
	Safety Equipment		1500	3000
	Workover Fluid/Disp.		1800	2500
	Wireline/Logging		4150	10760
	Simulation/ETU		-	-
	Convent		-	-
	Fishing		-	-
	Well Testing		1800	4000
	Contract Ser. Misc.		-	16850
	Supervision		1200	3000
	Tugs/Winch (Tons)		-	-
	Other Well Equip		-	-
	TOTAL		24955	109156
	Latest Est. Well Cost		-	200000

SV-2000

REMARKS:	Date: 94-07-29	THP: 2000	SPG: 0.000	CRP: 2000	WOB: 0.000
0000-0200 HRS. RIG W/ 93.7 mm GAUGE RING TO 36 MCF UNABLE TO WORK GAUGE RING. RIG OUT 9 RIGGING W/ SURFACE ESG RIG TO 159 MCF. RIG OUT 9 RIGGING W/ 0200-0400 HRS. REMOVE UPPER WND SECTION & INSTALL SAFETY VALVE. THE 114.3 mm HYDRAIL THREADS IN THE TBG HANGER ARE IN GOOD CONDITION. THE TBG HANGER SCREWS WERE EXTREMELY DIFFICULT TO RETRACT. BAKER 2 SCREWS. PUMP 10" 1100 DOWN TBG.					
0400-1700 HRS. PICK UP & INSTALL 254 mm x 35 mpa DOUBLE GATE BOP W/ 114.3 mm PAPI & 203 mm x 254 mm CHANGE OVER SADD. PICK UP & INSTALL 254 mm x 35 mpa ANNULAR BOP. FUNCTION TEST BOP STACK. INSTALL 114.3 mm X 98.9 mm DP. PICK UP JT W/ SAFETY VALVE IN PLACE. INSTALL BOP OUTLET. FLANGED KILL VALVES AS FOLLOWS: 1- 80 mm x 35 mpa LOWER GATE VALVE W/ 1- 80 mm x 35 mpa CHECK VALVE & OPPOSITE SIDE 2- 80 mm x 35 mpa LOWER GATE VALVES.					
1700-1800 HRS. HOOK UP KILL LINES TO BOP STACK. PRESSURE TEST BOP STACK & KILL VALVES TO 2 mpa & 21 mpa. PREPARE TO PDM.					
1800-1900 HRS. RAISE TBG STRING TO 6300 DAN. STRING CAME FREE. STRING AT 6000 DAN. REMOVE TBG HANGER 1-JT OF 114.3 mm HYDRAIL TBG & 4- 114.3 mm CS HYDRAIL BOP JTS. IT APPEARS THAT THE COMPLETE TBG STRING IS ATTACHED. PREPARE TO LAY DOWN TBG STRING.					
1900-2400 HRS. PDM & LAY DOWN 80 JTS OF 114.3 mm TBG. 1- 114.4 mm BAKER 'F' NIPPLE W/ 93.67 mm PROFILE WAS 15 JTS FROM SURFACE. INSTALL PROTECTORS & NUMBER JTS IN 3 PLACES.					
(NOTE) THE TBG STRING APPEARS TO BE IN VERY GOOD CONDITION SO FAR. THE OUTSIDE OF THE TBG SO FAR HAS A 0.5 mm BUILD UP OF SOFT BLACK GREASY COATING. THE INSIDE OF THE TBG STRING IS VERY CLEAN W/ NO CORROSION SO FAR.					

Lease & Well No. **Amoco A-1 POINTED MOUNTAIN P-53**

Job Objective: **WORKOVER** Contractor & Rig No.: **DRIVE 41**

Well No.: **993746023** AFE/Project No.: **56102400** Acct No.: **9999**

Formation: **NA HANNI** Daily Rig Hrs: **24** Accum to Date: **56**

Daily Inspection: **YES** NO Safety Meeting: **YES** NO Total Depth: **4361.69** PSTD: **4136.14**

Present Operations:

Fluid Volumes (m3)	Oil	Water
Total Fluid Pumped to Well		
Recovery last 24 hours		
Recovery to Date		
Total Fluid Hauled to Lease	55	160
Total Fluid Hauled from Lease	0	0
Fluid in Tanks	0	35
Non-Precip. Annular Fluid		
Fluid Lost to Abandonment		
Lead to Recover (+/- for NP)		
Gas Paced (GPM) Daily Cost		

Rig Manager: **DAVIS** Mobile: **774-9413**

Project Manager: **BRODSHOW** Phone: **234-2440**

Mobile Phone: **604-774-1417** Chassis:

Well Name: **WELL-SITE** Phone:

Report From: **BORTCHER/Marko** To: **B. COLLIN**

Lease Cont.: **Good** Term: **+ 25**

Pos	Cost Description	AFE	Daily Cost	Grand Cost
	Lease & Road		1060	2120
	Service Rig/Rig Move		12320	40021
	Rentals/Tools		2430	4860
	Camp & Move		1460	2920
	Safety Equipment		1150	2300
	Workover Fluid/Diss.		1800	3600
	Wireline/Perfor.		2320	4640
	Stimulation/ETU			
	Cement			
	Fishing			
	Well Testing		1800	3600
	Contract Ser./Adm.	HIRCRAFT	3500	16500
	Supervision		1200	2400
	Tubing/Wellhead (Teng)			
	Other Well Equip			
	TOTAL		29710	96301
	Latest Est. Well Cost			3034000

SV-2880 SI INT 7000 KPA

REMARKS: Date: **94-07-28** THP: **10700** WPG: **0800** h CIP: **10700** WPG: **0800** h

0000-0930 HRS SI INT CSG 7000 KPA BLEED OFF INT CSG THRU TEST EQUIPMENT & FLARE THE GAS WELL DEAD IN 15 MIN W/ FLUID TO SURFACE NO H2S

0930-0830 HRS PREPARE TO KILL WELL HAULING IN POLYMER AND 4 FRESH H2O PRESSURE TEST PUMP LINES TO 21 MPa

0830-2300 HRS KILL WELL BY PUMPING 55 m³ OF USED STARCH POLYMER fluid & 90 m³ FRESH H2O DOWN THE TBC BLEED ANNULUS GAS THRU TEST EQUIPMENT & FLARE THE GAS PUMP RATE 0.22 m³/MIN WELL IS ON VACUUM NO ANNULUS RETURNS TO SURFACE

2300-2400 MIRR OIL TO RUN SURFACE PLUG

Amoco Canada Petroleum Company Limited
Completion/Repair Report

Date: 94-07-28

Report No. 2

Lease & Well No. <u>Amoco A-1 Prater Mountain P-53</u>			
Job Objective: <u>Workover</u>		Contractor & Rig No.: <u>DRIVE 41</u>	
Well File: <u>993 746 023</u>	AFD Project No.: <u>56102400</u>	Acct No.: <u>9999</u>	
Permittee: <u>DA NAWIT</u>	Daily Rig Hrs: <u>24</u>	Assess to Date: <u>32</u>	
Daily Inspector: <u>YES</u> NO	Safety Meeting: <u>YES</u> NO	Total Depth: <u>4261.69</u>	FBTZ: <u>4186.14</u>
Present Operations: <u>AT 6000 HRS PREPARE TO KILL WELL</u>			

Fluid Volumes (m3)	Oil <i>Polysol</i>	Water (m3)
Total Fluid Pumped to Well		
Recovery After 24 hours		
Returned to Date		
Total Fluid Handed to Lease	15	
Total Fluid Handed from Lease	0	
Fluid in Tanks		
Min-Max. Annular Fluid		
Fluid Lost to Abandonment		
Lost to Recovery 1" o' for NF1		
Gas Flared (23428)	Daily:	Cum:

Fee	Cost Description	A/E	Daily Cost	Current Cost
	Lease & Road		1050	1050
	Service Rig/Rig Move		17350	27151
	Rentals/Tools		2420	2420
	Camp & Mess		1460	1460
	Safety Equipment		1150	1150
	Workover Pad/Trap		1500	1500
	Wireline/Parting		4300	4300
	Stimulation/ETU		--	--
	Cement		--	--
	Fishing		--	--
	Well Testing		1000	1000
	Contract Est./Misc.		13250	13250
	Supervision		1200	1200
	Thick/Wallhead (Tens)			
	Other Well Equip			
	TOTAL		47840	54491
	Latest Est. Well Cost			

File Manager: E. B. Smith	Mobile: 774-948
Project Manager: R. Smith	Phone: 224-2240
Mobile Phone: 604-774-1417	Charcot:
Home Phone: 224-2240	Phone:
Report From: Smith / R. Smith	To: B. Smith
Letter Card: Smith	Time: + 25

SV-ZERO INT SV-7000 KPA

REMARKS:	DATE: 94-07-27	TIME: 10700	SPR: 2400	N	CRP: 10700	SPR: 2400	N
0000 - 0400 HRS. FINISH RIGGING IN SUB & STAND DERRICK							
0400 - 1200 HRS. RIG IN COMBUSTION UNIT & DRILLING PUMP & TANK							
1200 - 1800 HRS. RUN PSC LINES SET UP CAT WALK & LIFT RACKS							
RIG IN WELL SERVICE PUMP & RUN LINES TO WIND							
1800 - 2400 HRS. MIRR. CENTRAL FLOW BACK TEST EQUIPMENT							
RIG FLOOR LINE INTO LEASE FACILITIES FLOOR STACK							
& REPAIR MUD TANK							
OFF LOAD ADDITIONAL DRILL PIPE & 10" BOP STACK							

Copy Distribution

Copy 1 - Originator

Copy 2 - Safety Address

Pre-Job Safety Meeting Report

Job Description H₂S Alarms and Equipment LocationsDate 04 07 31
Year Month DaySite Location Amoco P-53 Pk. Mtn.

Equipment and Job Requirements

- ☐ Hard Hat
☐ Eye Protection
☐ Face Shield
☐ Hearing Protection
☐ Safety Boots
☒ Respiratory Protection
☐ Fire Retardant Clothing

- ☐ Welding Protection
☐ Combustible Gas Detectors
☐ Toxic Gas Detectors
☐ O₂ Detectors
☐ Fire Control Equipment
☐ Fire Aid Equipment
☐ Emergency Communications

- ☐ Lanyards and Lifelines
☐ Signs and Barricades
☐ Approved Lighting
☐ Non Spark Tools
☐ Facial Hair

WHMIS Information - List ALL Controlled Product Present

Written Job Procedures Available

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

Discuss locations of air equip. Discuss proper
 reaction to H₂S alarms. Go over briefing areas and
 assign member responsibilities during an H₂S alarm.
 Go upwind and get head count.

Attendance

Name (Please Print)	Signature	Name (Please Print)	Signature
Rasi Halkka	<i>Rasi Halkka</i>		
JARED BOU	<i>Jared Bou</i>		
Lance Lustig	<i>Lance Lustig</i>		
CHRIS PORTOUS	<i>Chris Portous</i>		
GLENN HELLAUD	<i>Glenn Hellaud</i>		
Phil Bartlett	<i>Phil Bartlett</i>		

Contractor Supervisor (where applicable)

Supervisor's Signature

Copy Distribution
Copy 1 - Originator
Copy 2 - Safety Advisor

Pre-Job Safety Meeting Report

Job Description Acid Wash
Site Location A-2 PTL Mtn. 5-45

Date 94 07 27
Year Month Day

Equipment and Job Requirements

- ☐ Hard Hat
☐ Eye Protection
☐ Face Shield
☐ Hearing Protection
☐ Safety Boots
☒ Respiratory Protection
☒ Fire Retardant Clothing

- ☐ Welding Protection
☐ Combustible Gas Detectors
☐ Toxic Gas Detectors
☐ O2 Detectors
☐ Fire Control Equipment
☐ Fire Aid Equipment
☐ Emergency Communications

- ☐ Lanyards and Lifelines
☐ Signs and Barricades
☐ Approved Lighting
☐ Non Spark Tools
☐ Facial Hair

☒ Wet Suits

WHMIS Information - List ALL Controlled Product Present

15% Acid, H₂, Inhibitor,

Written Job Procedures Available

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

Stay away from all pressurized lines. Breathing equip
is in for testing and O.S. in case of release of gas
High wind direction, go to upwind briefing area. Splash
showers suit on for in case of an accident with acid
Protective rubber suits must be worn around acid equip
Safety men will wear SCBA during pressuring up
Paramedics on for injuries

Attendance

Name (Please Print) Signature

TERRY WILSON [Signature]

Heath Leach [Signature]

WILLIAM [Signature]

Tom McNamee [Signature]

David Gail [Signature]

MILTON ROSS [Signature]

LARRY MURRAY [Signature]

RAY GOSSETT [Signature]

BILL JANKS [Signature]

Contractor Supervisor (where applicable)

Name (Please Print) Signature

PAUL C. HANES [Signature]

Greg Kozak [Signature]

GARY RUSSELL [Signature]

Dean Thompson [Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

Supervisor's Signature

Copy Distribution
Copy 1 - Originator
Copy 2 - Safety Advisor

Pre-Job Safety Meeting Report

Job Description Will WellDate 9/07/94
Year Month DaySite Location Amoco A-1 (P53) PLME LWT

Equipment and Job Requirements

- | | | |
|---|---|--|
| ☒ Hard Hat | ☐ Welding Protection | ☐ Lanyards and Lifelines |
| ☒ Eye Protection | ☒ Combustible Gas Detectors | ☒ Signs and Barricades |
| ☐ Face Shield | ☒ Toxic Gas Detectors | ☒ Approved Lighting |
| ☒ Hearing Protection | ☐ O2 Detectors | ☐ Non Spark Tools |
| ☒ Safety Boots | ☒ Fire Control Equipment | ☒ Facial Hair |
| ☒ Respiratory Protection | ☒ Fire Aid Equipment | ☐ |
| ☒ Fire Retardant Clothing | ☒ Emergency Communications | ☐ |

WHMIS Information - List ALL Controlled Product Present

MSDS sheets on location for all products
Hot Gas, Propane, Diesel, Universal Lubricant Inhibitor

Written Job Procedures Available

Program on location

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

All well service operations

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

Tie in to wellhead. Pump down then w/ delay and
Reduction of pressure to CAPT - P. tank. Monitor pressure
and pressure. Hold back pressure on Cap to control fluid entry.
Pump rate 0.2 m³/min. Follow delay fluid w/ fresh water. Well
is dead man for the run. Begin wellhead to set flow in 93.6 m profile
Keep pressure on. Stop for wind direction. Report any leaks in lines
10.5 lpm on the well is 0.7 to H₂S 12.5 to CO

Attendance

Name (Please Print)	Signature	Name (Please Print)	Signature
<u>Will Boettcher</u>	<u>[Signature]</u>	<u>G. Parsons</u>	<u>[Signature]</u>
<u>Doug Cameron</u>	<u>[Signature]</u>	<u>Paul Holke</u>	<u>[Signature]</u>
<u>G. HELLERUD</u>	<u>[Signature]</u>	<u>MARIAL ROME</u>	<u>[Signature]</u>
<u>JARED DOW</u>	<u>[Signature]</u>	<u>YORNE MUNO</u>	<u>[Signature]</u>
<u>Dean Sheppard</u>	<u>[Signature]</u>	<u>LANCIE LUSTI</u>	<u>[Signature]</u>
		<u>JULIEN KLONDIKE</u>	<u>[Signature]</u>

[Signature]

Contractor Supervisor (where applicable)

[Signature]

Supervisor's Signature

Copy Distribution
Copy 1 - Originator
Copy 2 - Safety Advisor

Pre-Job Safety Meeting Report

Job Description H₂S Ticket #3 (P.P.S.)
Site Location A2 - Painted Mountain

Date 94/07/22
Year Month Day

Equipment and Job Requirements

- | | | |
|--|--|---|
| ☐ Hard Hat | ☐ Welding Protection | ☐ Lanyards and Lifelines |
| ☐ Eye Protection | ☐ Combustible Gas Detectors | ☐ Signs and Barricades |
| ☐ Face Shield | ☐ Toxic Gas Detectors | ☐ Approved Lighting |
| ☐ Hearing Protection | ☐ O ₂ Detectors | ☐ Non Spark Tools |
| ☐ Safety Boots | ☐ Fire Control Equipment | ☐ Facial Hair |
| ☐ Respiratory Protection | ☐ Fire Aid Equipment | |
| ☐ Fire Retardant Clothing | ☐ Emergency Communications | |

WHMIS Information - List ALL Controlled Product Present

Written Job Procedures Available

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

Discussed pipe handling procedures w/ crew

NAME	TICKET #	EXP.	
Attendance			
Name (Please Print)	Signature		Name (Please Print) Signature
Curtis Webb	HAL-43380	04/18/94	
Scott Ozick	N326/94	07/31/97	
Dean Kuluk	N314/94	05/14/97	
Tim Seals	N242/93	12/16/96	
Guy Pruckler	Hal-95991	06/10/97	
Brian Friend			

Contractor Supervisor (where applicable)

Supervisor's Signature

Copy Distribution
Copy 1 - Originator
Copy 2 - Safety Advisor

Pre-Job Safety Meeting Report

Job Description LAY DOWN DRILL PIPE

Date 94/07/21
Year Month Day

Site Location A-2 POINTED MOUNTAIN (AMOCO)

NIGHT SHIFT

Equipment and Job Requirements

- ☒ Hard Hat
- ☒ Eye Protection
- ☒ Face Shield
- ☒ Hearing Protection
- ☒ Safety Boots
- ☒ Respiratory Protection
- ☒ Fire Retardant Clothing

- ☐ Welding Protection
- ☒ Combustible Gas Detectors
- ☒ Toxic Gas Detectors
- ☐ O2 Detectors
- ☒ Fire Control Equipment
- ☐ Fire Aid Equipment
- ☐ Emergency Communications

- ☐ Lanyards and Lifelines
- ☐ Signs and Barricades
- ☐ Approved Lighting
- ☒ Non Spark Tools
- ☒ Facial Hair

WHMIS Information - List ALL Controlled Product Present

MSDS IN ENGINEERS SHACK + LOWER DOG HOUSE

Written Job Procedures Available

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

AVOID V DOME STAIRS, CAT WALK AREA
KEEP HANDS + FEET AWAY FROM MOVING CABLES, ETC. (PINCH POINTS)
STAY OUT FROM UNDER CABLES, ETC. TROUGH
ONE MAN TO GIVE SIGNALS TO OPERATOR

Attendance

Name (Please Print) Signature

GIL GRANDAHL Gil Granda
GLEN PENGELLY Glen Pengelly
CHUCK GRAHAM Chuck Graham
DOUG BOETTCHER Douglas Boettcher
MATHEW KLONDIKE
Dean Boehner Dean Boehner
JUAN KOSHYSH Juan Koshysh
Bob Callahan Bob Callahan

Name (Please Print) Signature

SEAN PICHAKENSKI SPichakensk
FRED BERCHTOLD Fred Berchtold

[Signature]
Contractor Supervisor (where applicable)

[Signature]
Supervisor's Signature

Copy Distribution
Copy 1 - Originator
Copy 2 - Safety Advisor

Pre-Job Safety Meeting Report

Job Description Acid Wash
Site Location K-45, Painted Mtn. N.W.T.

Date 94 7 23
Year Month Day

Equipment and Job Requirements

- ☒ Hard Hat
☒ Eye Protection
☒ Face Shield
☐ Hearing Protection
☐ Safety Boots
☐ Respiratory Protection
☐ Fire Retardant Clothing

- ☐ Working Protection
☐ Combustible Gas Detectors
☐ Toxic Gas Detectors
☐ O2 Detectors
☐ Fire Control Equipment
☐ Fire Aid Equipment
☐ Emergency Communications

- ☐ Lanyards and Lifelines
☐ Signs and Barricades
☐ Approved Lighting
☐ Non Spark Tools
☐ Faced Hair

WHMIS Information - List ALL Controlled Product Present

MSDS in Doghouse, Acid 15%

Written Job Procedures Available

The Workers Have Demonstrated the Proper Use of the Following Equipment and Handling of Listed Controlled Products

List of Specific Instructions Given to Workers (List and discuss standard practices applicable to job task)

Pump 70' acid, watch for acid on tank return, stay
away from house, equip. shower in shack if sprayed
with acid, wear wet suit. Mask up men on rig tank.
Safety. Hand back up men on tanks.
210th total

Attendance

Name (Please Print) Signature

Gary Russell

Bob Placke

Earl Barthold

Dan Stappard

Lyle Brown

Doug Cameron

Mike Hager

Dale Kesteged

Name (Please Print) Signature

Ken Laurel

Dwight Fraser

Antoine Deckard

Bob Pickett

Dan Clarkin

Lois Munro

Rob Cullahan

Tyler Kesteged

Brian Friend

Greg Anden

Scott Gony

Bob Dunlop

Bob Arkins

Contractor Supervisor (where applicable)

Supervisor's Signature