

1857C

Report # 8, 04/01/2002 00:00

Para Anadarko Arrowhead C-02

Daily Completion and Workover Report

APUUNI 300C026040123000	Field Name Arrowhead	Operator Paramont Resources	KB Elev (m) 454.10	Grd Elev (m) 447.20	PBTD (mKB) 879.96	TH Elev (m) 448.27	KB-TH (m) 5.83	Latitude (DMS)	Longitude (DMS)
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ARE NO 01N220001	Objective To complete Chinkeh formation for hydrocarbon production	Start Date 27/12/2001
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Perforations				Fluid Movement							
Shor Dens (shots/m)	Perforing ()	Top (mKB)	Blm (mKB)	Zone	Fluid	To well (m)	Front wall (m)	In tanks (m)	Left w recovery (m)	To Spool (m)	From tanks (m)
					Water				30.0	0.0	30.0

Daily Cost Total 26,660.00	Cum. Cost To Date 206,665.30	Operations at Report Time	Rpt No 8	T (°C)	Wind	P(wb) (kPa)	P(oss) (kPa)	Rig Time (hrs)
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Dur (hrs)	Comment	Sum Dur (hrs)
	Daily walk around lease inspection. held a safety and procedure meeting with all on site personal. read and record shut in well pressures. make up and run in the hole with TCP. run 59 joints, land the tubing hanger, rig in computalog to log gun into place, corotate to CBL log. pull out with wireline, space out tubing and set the packer. had a considerable amount of trouble setting the packer. run in the hole and pull a confirmation log. (ok).and break disk. pull out with and rig out computalog. Fill and test casing. Tubing hanger leaked from bottom. move pumping line to work spool and test from the top to 21 mPa (Held good). bleed off and hoist hanger from spool, test casing to 14000 kpa for half hour. (held good) land hanger, rig out the work floor and strip off BOP. Inspect the tubing spool and the hanger. the tubing hanger is sticking about half an inch above the ring gasket. It appears to be to long for the spool. Take measurements, call Vetco and confirm that the hanger spool was incorrectly manufactured. Ordered a 13.5 X 7.5 hanger spool and tubing bonnet to match existing well components. Landed hanger, re-assembled the BOP secured the well and shut down operations for the day. New Spool will be here in the morning.	

Note : This tubing hanger flange houses a 7" hanger and the on/off-packer is for 244.5 mm casing.

Tubing Components		Casing Details			
Item Desc	Top (mKB)	Surface, 504.00			
		Max OD (mm) 339.7	Min ID (mm) 320.4	String Drift Min (mm)	Bottom or Set Depth (mKB) 504.00
Production, 694.00					
		Max OD (mm) 244.5	Min ID (mm) 222.4	String Drift Min (mm)	Bottom or Set Depth (mKB) 894.00
Para Anadarko Arrowhead C-02					
Directions to Well From Fort Nelson British Columbia. Travel North / West on the Alaska Highway to Highway 77 Tum and travel North towards Fort Laird. Travel to the NWT border. Travel an additional 71.5 km. Tum and travel East 28.5 km to a beaver camp, Tum and travel south 0.8 km to location.					

04/01/2002 00:00

Daily Cost Summary

API#UW1 300C026040123000	Field Name Arrowhead	Area 60° 40' 123° 00'	Operator Paramont Resources	KB Elev (m) 454.10	Gr Elev (m) 447.20	PSI (mK)	679.96
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Daily Summary

Start of report period 03/01/2002 00:00	End of report period 04/01/2002 00:00	Daily Cost Total 26,860.00	Cum. Cost To Date 206,665.30
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Operations at Report Time

Rental Item Costs

Item	Ticket	Cost(\$)	Note
Supervision from Fire Creek		950	
Vacume truck from Formula		1,100	
Camp Rental and Catering from Beaver Enterprises		3,150	
Medic from Iroc		1,000	
Slickline Services from Opsco		1,900	
Wellsite Shacks from Deranway		310	
Boiler from Precision		750	
Production Testing Equipment from Opsco		3,100	
Service Rig from Precision		7,800	
Cased hole Logging / Perforating from Computalog		6,600	

Daily Completion and Workover Report

API/UNI	Field Name	Operator	KB Elev (m)	Gr Elev (m)	PBTD (mKB)	TR Elev (m)	KB-TM (m)	Latitude (DMS)	Longitude (DMS)
3000026040123000	Arrowhead	Paramount Resources	454.10	447.20	679.98	448.27	5.83		

AFE No	Objective	Start Date
01N220001	To complete Chinkeh formation for hydrocarbon production	27/12/2001

Perforations				Fluid Movement							
Shot Dens (shots/m)	Phasing (')	Top (mKB)	Btm (mKB)	Zone	Fluid	To well (m³)	From well (m³)	In Joints (m³)	Left in recover (m³)	To surface (m³)	From surface (m³)
					Water			30.0	0.0	30.0	0.0

Daily Cost Total	Cum. Cost To Date	Operations at Report Time	Rpt No	T (°C)	Wind	P(Rub) (kPa)	P(Sea) (kPa)	Rig Time (hrs)
46,910.00	160,900.30	Running TCP	7	-22	N/W @ 5 km/h	0	0	

Dur (hrs)	Comment	Sum Dur (hrs)
0.50	Start and warm equipment, Daily walk around lease inspection, held a safety and procedure meeting with all on site personal. read and record shut in well pressures. SITP (dead), SICP (Dead).	0.50
13.00	Resume running tubing, run a total of 71 joints and tag PBTD @ ± 679.98 mKB rig to pressure test casing, test casing to 21 mpa and hold for 15 minutes. (good). Rig to reverse circulate and circulate the well over with 28 m³ of 3% KCL water. stop pumps and tear out circulating equipment, prep to pull out of the hole, pull and lay out 11 joints / stand remaining 60 joints. 16:00 hours. rig in Computalog to run a CBL / gamma ray / CCL log from PBTD to surface. pull a pressure pass from PBTD to surface. Rig out Computalog, prep for morning operations, cap and secure the well, Shut down operations for the day.	13.50

Tubing Components		Casing Details			
Max Diam	Min Diam	Surface, 504.00			
		Max OD (mm)	Min ID (mm)	String Drill Min (mm)	Bottom or Set Depth (mKB)
		339.7	320.4		504.00
Production, 694.00		Production, 694.00			
Max OD (mm)	Min ID (mm)	Max OD (mm)	Min ID (mm)	String Drill Min (mm)	Bottom or Set Depth (mKB)
		244.5	222.4		694.00
Para Anadarko Arrowhead C-02					
Directions To Well					
From Fort Nelson British Columbia. Travel North / West on the Alaska Highway to Highway 77 Turn and travel North towards Fort Laird. Travel to the NWT border, Travel an additional 71.5 km. Turn and travel East 28.5 km to a beaver camp. Turn and travel south 0.8 km to location.					

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Para Anadarko Arrowhead C-02

Report # 6, 02/01/2002 00

Daily Completion and Workover Report

Area/Unit	Field Name	Operator	KB Elev (m)	Gr Elev (m)	PBTO (mKPa)	TH Elev (m)	KB-TH (m)	Latitude (DMS)	Longitude (DMS)
300C026040123000	Arrowhead	Paramont Resources							

AFE No	Objective	Start Date
01N220001	To complete Chinkeh formation for hydrocarbon production	27/12/2001

Perforations				Fluid Movement							
Shot Depth (mKPa/m)	Perforating (*)	Top (mKPa)	Bottom (mKPa)	Fluid	To well (m)	From well (m)	In tank (m)	Water recovered (m)	Water (m)	Bottom (m)	From bottom (m)
				Water				30.0	0.0	30.0	0.0

Daily Cost Total	Cum. Cost To Date	Operations at Report Time	Rpt No	T (°C)	Wind	P(tub) (kPa)	P(cas) (kPa)	Rig Time (hrs)	Sum Dur (hrs)
17,260.00	113,990.30	pres test / Circ / pooh	6						

Dur (hrs)	Comment	Sum Dur (hrs)
18.00	Daily walk around lease inspection, held a safety and procedure meeting with all on site personal. Tear out tarps and heater from the well head, check for pressure (Well dead) disassemble well head. (tubing hanger is missing), Install a function and stump tested 279.4 mm Class III hydraulic BOP system. Tested blind and pipe rams 1.4 mpa low and 21 mPa high for 10 minutes each (held good) Tested the annular preventor 1.4 mPa low and 7 mPa high for ten minutes each (good). Rig in the work floor, tarp in BOP's, tally the tubing. Rig air lines iced off to the drillers control panel, 2 hours to thaw and treat with methanol. make up 1-218 mm bit and a 244.5 mm casing scraper and required cross overs. 1-8' handling pup. Bit tagged an obstruction just below the casing valve depth, pull out and inspect. Determin that there is a set of seals in the top hanger flange that is smaller than the bit. Rig out the work floor and separate the BOP stack from the top hanger spool. inspect further and confirm that the top seals are in fact to small and shouldn't have been left in the spool. separate the top spool from the bottom one and attempt to remove the seals. Remove seal components, reassemble the tubing spool and BOP's, Re-rig in the work floor, tarp in the Bop and prep to run tubing. Rig air slips control malfunctioned and iced off 3 hours to trouble shoot-thaw and treat with methanol. finally got everything running, run 25 joints + BHA. Cap and secure the well shut down operations for the day. 12:00 hours. Computalog is here for CBL / TCP. Baker lined up for noon. frac lined up for Saturday. Found a 11" 73mm tubing hanger in Edmonton, it will be here first thing in the morning. also ordered Surface casing vent assembly and pressure guages for the well head.	16.00

Tubing Components			Casing Details				
Item	Length	Top (mKPa)	Bottom (mKPa)	Surface, 504.00	Min ID (mm)	String Drift Min (mm)	Bottom or Set Depth (mKPa)
				Max OD (mm)	Min ID (mm)	String Drift Min (mm)	Bottom or Set Depth (mKPa)
				339.7	320.4		504.00
Production, 694.00							
				Max OD (mm)	Min ID (mm)	String Drift Min (mm)	Bottom or Set Depth (mKPa)
				244.5	222.4		694.00
Para Anadarko Arrowhead C-02							
Directions To Well							
From Fort Nelson British Columbia. Travel North / West on the Alaska Highway to Highway 77 Turn and travel North towards Fort Laird. Travel to the NWT border, Travel an additional 71.5 km. Turn and travel East 28.5 km to a beaver camp. Turn and travel south 0.8 km to location.							

Para Anadarko Arrowhead C-02

Report # 6, 02/01/2002 00:00

Daily Completion and Workover Report

API#W#	Field Name	Operator	KB Elev (m)	Dr Elev (m)	PSI ² (mKPa)	TR Elev (m)	KB-TR (m)	Locality (CRS)	Longitude (DMS)		
300C026040123003	Arrowhead	Paramont Resources									
AFE No	Objectives	To complete Chinkeh formation for hydrocarbon production					Start Date	27/12/2001			
Perforations					Fluid Movement						
Shot Depth (m)	Phasing (m)	Tan (mKPa)	Rate (mD)	Zone	Fluid	To well (m ³)	From well (m ³)	In tanks (m ³)	CBM (m ³)	To tanks (m ³)	From tanks (m ³)

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Para Anadarko Arrowhead C-02

Report # 5, 01/01/2002 00:00

Daily Completion and Workover Report

API/UWI	Field Name	Operator	RB Elev (m)	Gr Blow (m)	PBTG (mK)	TH Elev (m)	RB TH (m)	Latitude (DM)	Longitude (DM)
300C026040123000	Arrowhead	Paramont Resources							

AFE No.	Objective	Start Date
01N220001	To complete Chinkeh formation for hydrocarbon production	27/12/2001

Perforations				Fluid Movement							
Shot Done	Phasing (ft)	Top (mK)	Btm (mK)	Zone	Fluid	To well (m³)	From well (m³)	In tanks (m³)	Gas up recover (m³)	Unloaded (m³)	Return tanks (m³)
					Water			30.0	0.0	30.0	0.0

Daily Cost Total	Cum. Cost To Date	Operations at Report Time	Rot No	T (°C)	Wind	P(hub) (kPa)	P(cas) (kPa)	Run Time (hrs)
24,820.00	96,730.30	Installing BOP'S	5	-22	none	0	0	10.00

Our (hrs)	Comment	Sum Our (hrs)
	Wait on Mechanic. He arrived @ 02:00 hours and worked on the rig on till 10:00 hours. Move rig to location 13:00 hours- rig arrived.	
10.00	Move in spot and rig in PDWS rig 55 according to all sub and governing body regulations. Hoist and anchor derrick. Spot all safety equipment. Assemble the BOP stack. Place heat on the well head / bop overnight to warm all components for morning operations. Shut down operations for the day.	10.00
		10.00

Tubing Components		Casing Details		
Item Desc	Top (mK)	Bottom (mK)	String Drift Min (mm)	Bottom or Set Depth (mK)
		Surface, 504.00		
	339.7	320.4		504.00

Production, 694.00			
Max OD (mm)	Min ID (mm)	String Drift Min (mm)	Bottom or Set Depth (mK)
244.5	222.4		694.00

Para Anadarko Arrowhead C-02

Directions To Well

From Fort Nelson British Columbia. Travel North / West on the Alaska Highway to Highway 77 Turn and travel North towards Fort Laird. Travel to the NWT border, Travel an additional 71.5 km. Turn and travel East 28.5 km to a beaver camp, Turn and travel south 0.8 km to location.

01/01/2002 00:00

Daily Cost Summary

APN/OWI	Field Name	Area	Operator	KB Elev (m)	Gr Elev (m)	PBTU (mKB)
300C028040123000	Arrowhead	80° 40' 123° 00'	Paramount Resources			

Daily Summary

Start of report period 31/12/2001 00:00	End of report period 01/01/2002 00:00	Daily Cost Total 24,820.00	Cum. Cost To Date 96,730.30
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Operations at Report Time

Installing BOP'S

Rental Item Costs

Item	Notes	Cost (\$)	Notes
Supervision from Fire Creek		950	
Vacume truck from Formula		1,100	
Camp Rental and Catering from Beaver Enterprises		3,150	
Medic from Iroc		1,000	
Slickline Services from Opaco		1,800	
Wellsite Shacks from Deranway		310	
Boller from Precision		750	
Production Testing Equipment from Opaco		3,100	
Service Rig from Precision		4,500	
Trucking from Formula		8,060	Haul in 400's and testers equipment