

Daily Completions
Reports
Re-entry Completions
Reports

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 23/3/1998 REPORT NO: N - 18
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: Well ready for lease clean up.

PREVIOUS DAYS OPERATIONS

22-23/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.

23:30 HL Powell trucks on Loc. Held pre move meeting.

Moved rig equip off location.

Left 2 - 63 m³ production tanks, propane skid, 1 - piece of rental matting, AmGas scrubber, & propane vapourizer. Streeper trucking is scheduled to move this equip Monday night Tuesday morning.

HL Powell trucking will move camp out Monday night, Tuesday morning.

Anchor truck could only pull 4 out of the 8 anchors they installed. (frozen in ground)

Word, Paramount construction man said they will pull anchors & leave them at lease entrance.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
 ('+' new fluid) _____ m³

PARAMOUNT RESOURCES LTD

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 22/3/1998 REPORT NO: D-17
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2699.20 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: 2777 - 2782, 2788 - 2790, 2791 - 2792 mKB
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: Rigging out rig & equipment.

PREVIOUS DAYS OPERATIONS

21/3/1998 SITP: _____ kPa SICP: _____ kPa
 07:00 Lease inspection. Held safety/operational/procedural meeting.
 R/O Work floor & BOP stack, broke out rental single gate. Installed wellhead.
 Swabbed back 1.22 m³ in 2 swabs, pumped .5 m³ of diesel fuel down tbg & annulus.
 13:00 Started rigging out rig & equipment.

- *Cardusty trucking hauled out 50 m³ of spent acid & KCL to Northern Oil Recyclers in Zama.
- *Steeper hauled out 2 64 m³ tanks.
- *Recovered 8.61 m³ of new fluid after nitrified HCL ball job.
- *Lost a total of 16.38 m³ of 3% KCL to the formation after evaluating interval.
- *Lost a total of 112.24 m³ of fresh water to the 139.7 mm csg annulus before cementing off.
- *Streeper tanks # 512 & 507 sent to Liard for tank farm.
- *Fresh water from the 15th to the 22nd.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2690.00	DAILY COST	62490.00
SUPERVISION	1600.00	COMPUTALOG	25000.00	PREVIOUS COST	856045.00
RENTALS	1700.00	CARDIUM TOOLS	650.00	COST TO DATE	918535.00
ACCOMMODATIONS	2500.00	TRUCKING	5750.00	AFE AMOUNT	
FRESH WATER TRUCK	5530.00	DISPOSAL	2500.00		
TESTERS	3470.00	WATER TRUCK	400.00		

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 22/3/1998 REPORT NO: N - 17
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: R/O rig & equip.

PREVIOUS DAYS OPERATIONS

21-22/3/98 SITP: kPa SICP: kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't to R/O rig & equip.
 Hauled 90 m³ of 3% KCL fluid off Loc. Went to Ft. St. John for disposal.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS: _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover

Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ n
Water: _____ m ³	Water: _____ m ³	Water: _____ m ³	Water: _____ n
			(+' new fluid) _____ n

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 21/3/1998 REPORT NO: D-16
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2699.20 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: 2777 - 2782, 2788 - 2790, 2791 - 2792 mKB
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: _____ SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: _____

PREVIOUS DAYS OPERATIONS

20/3/1998 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued swabbing well to test vessel. Recovered .42 m³ in 1 swab.
 Total swabbed & flowed - 33.61 m³ in 30 swabs. Approximately 1.42 E³M³/day.
 08:00 Stopped swabbing, shut in well, recorded build ups.
 09:00 - 900 kPa, 10:00 - 1025 kPa, 11:00 - 1500 kPa, 12:00 - 2250 kPa.
 12:00 Bled off gas head, pumped 12.5 m³ of KCL down tbg, well on vacuum.
 Took 2 high pressure gas samples & 2 water samples, sent in to Agat in Red Deer w/tester's.
 13:00 Removed well head, nipped up 179mm X 35 MPa class 3 BOP stack.
 Pressure tested blind & pipe rams to 2 & 35 MPa, pressure tested annular to 2 & 28 MPa.
 16:00 Unset packer, reverse circulated the well over to inhibited fresh water.(6 m³ to fill)
 L 11.38 m³ to fill & circulate, good inhibited water in returns.
 17:30 POOH, laid down 58 jts of 88.9 mm J-55 tbg.
 19:00 Crew change.

*Lost 11.38 m³ to formation.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2600.00	DAILY COST	32290.00
SUPERVISION	1600.00	COMPUTALOG	3400.00	PREVIOUS COST	822457.00
RENTALS	1630.00	CARDIUM TOOLS	650.00	COST TO DATE	854747.00
ACCOMMODATIONS	3570.00	TRUCKING	1155.00	AFE AMOUNT	
TESTERS	4010.00	INHIBITOR	2975.00		

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : _____ Daily Recovery: _____ Recovered to Date: _____ Load to Recover
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: 25.00 m³ Water: .42 m³ Water: 33.61 m³ Water: 0 m³
 ('+' new fluid) 8.61 m³

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 21/3/1998 REPORT NO: N - 16
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: R/O rig & equip.

PREVIOUS DAYS OPERATIONS

20-21/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't to POOH. B/O Cardium 139.7 mm QDH packer. (elements in good shape)
 21:30 R/I Computalog. RIH with Cardium 139.7 mm PWPP permanent BP.
 Correlated on depth with CBL/GR /CCL dated Mar 11/98.
 Set BP @ 2769.0 mKB.
 Pressure test plug to 7000 kPa with fresh inhibited water. 15 minute test, no bleed off. (10.59 m³ to fill hole, 4.6 m³ was Tbg displacement. 5.99 m³ lost to formation)
 RIH with 177.8 mm Cardium PWPP permanent BP. Correlated on depth with CBL/GR /CCL dated Mar 11/98. Set @ 2270.0 mKB.
 02:00 Dump bail 8 lineal meters of Class G oilwell cement mixed with L-10, D-128, D-65, Silica flour.
 05:00 R/O Computalog.
 RIH with 1-73 mm XN nipple W/ 58.75 mm profile, 56.01 mm NOGO. 2- 73 mm pup Jts, X/O swage, 233 88.9 mm Jts, 5 - 88.9 mm pup Jts, 1 - 88.9 mm Jt.
 Land with Tbg hanger.
 07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ n
 Water: _____ m³ Water: _____ m³ Water: 33.61 m³ Water: _____ n
 ('+' new fluid) 8.61 n

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 20/3/1998 REPORT NO: D-15
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: 2777 - 2782, 2788 - 2790, 2791 - 2792 mKB
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: Continue swabbing well.

PREVIOUS DAYS OPERATIONS

19/3/1998 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
 06:40 Opened well on a 50.8 mm choke, opening tbg pressure 22,000 kPa.
 Tbg pressure dropping steady, fluid slugging back.
 10:00 Recovered .07 m³ KCL & spent acid, well still blowing gas @ 350 kPa. H2S - 46 ppm.
 10:30 R/U swab equipment, bled off gas head.
 Swabbed back 29.66 m³ in 17 swabs, ph stayed @ 5, salinity - started @ 225,000 ppm & dropped to 190,000 ppm, H2S - was as high as 600 ppm. Fluid level dropped steadily.
 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2600.00	DAILY COST	154330.00
SUPERVISION	1600.00	COMPUTALOG	3400.00	PREVIOUS COST	668127.00
RENTALS	1630.00	CARDIUM TOOLS	650.00	COST TO DATE	822457.00
ACCOMADATIONS	2500.00	D/S CTU & FRAC	110000.00	AFE AMOUNT	
SAFETY BOSS SHOWER	8490.00	TSI	8750.00		
TESTERS	4010.00				

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: 25.00 m³ Water: 29.66 m³ Water: 29.66 m³ Water: 0 m³
 ('+' new fluid) 4.66 m³

PARAMOUNT RESOURCES LTD

DAILY COMPLETION / WORKOVER REPORT

WELL NAME:	Paramount et al Arrowhead	DATE:	20/3/1998	REPORT NO:	N - 15
LOCATION:	N-65-63-40-122-45	CONTRACTOR:	Alberta Gold # 30		
TD (mKB):	2856.09	PBTD (mKB):	2821.43	Csg Size (mm):	177.8
AFE #	24697	FORMATION:		LINER SIZE (mm):	139.70
PERFORATIONS:					
PURPOSE:	Completion				
WELLHEAD PRESSURES @08:00 hrs:	SITP:	SICP:			
CURRENT OPERATIONS @08:00 hrs:	Swabbing.				

PREVIOUS DAYS OPERATIONS

19-20/3/98 SITP: kPa SICP: kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't swabbing & taking samples.
 19:30 Swabbed well dry. Wait 2 Hrs. Pull another swab. Recovered 0.45 m³ of produced fluid, PH 5, H₂S 50 PPM, salinity 220000 PPM.
 20:00 Start pulling 1 Hr swabs.
 Salinities fluctuating between 190000 - 216000 PPM.
 H₂S 50 - 100 PPM.
 PH 5.
 From 17:00 - 07:00 Pulled 12 swabs. Accumulated 3.53 m³ of produced fluid.
 Averaged inflow per/hr 0.31 m³.

DAILY COST SUMMARY

Item	Amount	Item	Amount		Item	Amount
RIG					DAILY COST	0.00
SUPERVISION					PREVIOUS COST	
RENTALS					COST TO DATE	0.00
					AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS.	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today :		Daily Recovery:	Recovered to Date:	Load to Recover
Oil:	_____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³
Water:	_____ m ³	Water: <u>3.53</u> m ³	Water: <u>33.19</u> m ³	Water: _____ m ³
				('+' new fluid) 8.18 m ³

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 19/3/1998 REPORT NO: D-14
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: 2777 - 2782, 2788 - 2790, 2791 - 2792 mKB
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: Blow well dry w/ N2.

PREVIOUS DAYS OPERATIONS

18/3/1998 SITP: kPa SICP: kPa
 07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued swabbing well to rig tank - recovered 9.6 m³ in 17 swabs - last 2 dry.
 R/O swab equipment, R/U Dowell Schlumberger CTU, N2 & C&A pumper.
 10:30 Held prejob safety/operational meeting.
 Pressure tested coil & surface lines to 35,000 kPa. Changed tester's ESD valve. (twisted off)
 Pressure tested ESD valve to 35,000 kPa & tester's line to 21,000 kPa.
 Repaired Dowell coil tbg spooler.
 13:00 RIH w/38.1 mm coil tbg, pull test every 500 m. Filled hole while running in, started acid, jetted 1,000 lts from 2777 to 2792 mKB. Stopped coil tbg @ 2793 mKB.
 16:00 Washed w/100 lts of acid across perfs holding 2,000 kPa back pressure, wait 10 minutes between washes for 2 m³ - 15% HCL contained 1.2% A270 inhibitor, .2% F75N Surfactant, 1% U42 Chelating agent, .1% friction reducer, 1% A201 Inhibitor aid.
 Lost .5 m³ during washes.
 19:00 Shut in wing valve. Squeezed 2 m³ of HCL into formation, formation started to feed @ 50 lts/min @ 29 MPa, increased rate to 100 lts/min @ 25.3 MPa, increased rate to 136 lts/min @ 25.3 MPa, final rate was 150 lts/min @ 21.5 MPa. Bled off well pressure.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2550.00	DAILY COST	32456.00
SUPERVISION	1600.00	COMPUTALOG	3400.00	PREVIOUS COST	635671.00
RENTALS	2141.00	CARDIUM TOOLS	650.00	COST TO DATE	668127.00
ACCOMADATIONS	2500.00			AFE AMOUNT	
TESTERS	3800.00	ACID HAULER	5115.00		
RIG HOURS		MOBILE:600 700 1682 / 250 774 8066		PREPARED BY:	Randy Hemmingsen
CUM RIG HRS.		AREA: FORT LIARD		RECEIVED BY:	Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 19/3/1998 REPORT NO: N - 14
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: Flow & evaluate

PREVIOUS DAYS OPERATIONS

18-19/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't with final phase of acid squeeze.
 20:00 Start unloading well with N², pumping 20 scm/min. POOH with 38 mm coil Tbg.
 21:30 Tbg out of hole. Recovered 11.86 m³ of fluid during blow down.
 R/O Dowell CTU.
 R/I TSI treesaver, & Dowell acid Frac equip.
 01:30 Not enough N² to start job. W/O N² bulker. (had been ordered earlier today, but has to wait until 10:00 PM to travel roads)
 03:00 N² bulker on Loc. Transfer N² to pumper. Pump Csg up to 21Mpa. (set relief valve to 24 Mpa)
 Held safety & job procedure meeting. Pressure test pumping lines to 56 Mpa.
 C Pressure test pumping lines to 56 Mpa.
 05:20 Start acid Frac pumping 15 m³ of 15% nitrified HCL acid with 1.2% A270 inhibitor, .2% F75N Surfactant, 1% U42 Chelating agent, .1% friction reducer, 1% A201 Inhibitor aid.
 Pumped 1m³, start with 22 mm Frac balls. (100 dropped evenly through job) Averaged fluid rate .9 m³ per/min. Averaged N² rate 100 scm/m³. Averaged pumping pressure 41 Mpa. No real break noticed. Maximum pressure obtained 42 Mpa. (last 2 m³ pumped) Shut down pressure 41 Mpa. 10 minute shut in. 27 Mpa.
 06:05 R/O Dowell & TSI treesaver. R/I test line. Open well to testers.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

otal Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 ater: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 18/3/1998 REPORT NO: D-13
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: Continue RIH w/ packer.

PREVIOUS DAYS OPERATIONS

17/3/1998 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued POOH w/ scraper. Tallied tbg on the way out.
 10:00 R/U Computalog, RIH w/118.6mm gauge ring junk basket, tagged PBTD @ 2799.2 mKB. M/U perforating gun, filled well (4.62 m³) & pressure tested lubricator to 14 MPa.
 12:30 RIH w/5.5 m X 101.4 mm ERHSC csg gun loaded w/ 39 gram HMX charges, 18 spm (56 shots total) @ 60° phasing, perforated Nahanni interval from 2788 to 2790 & 2791 to 2792 mKB, correlated to casing bond log dated 11/03/98. Well went on vacuum.
 Gun in good condition - all shots fired.
 15:00 Ran 2nd gun, gun did not fire, POOH - detonator fired - primer cord did not activate.
 17:00 RIH w/101.4 mm ERHSC csg gun loaded w/39 gram HMX charges, 18 spm(91 shots total) @ 60° phasing from 2777 to 2782 mKB. Gun in good conditon - all but 2 shots fired.
 18:00 R/O Computalog wireline.
 18:30 RIH w/73 mm collar, 73 X 58.75 mm "XN" w/56.01 mm no-go, 2 - 3.07 X 73 mm EUE pup jts, 139.7 X 73 mm Cardium 10k "QDR" double grip packer, 139.7 X 73 mm on-off connector, w/58.75 mm "X" profile, 73 X 88.9 mm L-80 X-over, 88.9 mm X 3.06 m pup jt, 88.9 mm tbg to surface.
 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2550.00	DAILY COST	57515.00
SUPERVISION	1600.00	COMPUTALOG	27500.00	PREVIOUS COST	578156.00
RENTALS	2650.00	CARDIUM TOOLS	3455.00	COST TO DATE	635671.00
ACCOMADATIONS	2500.00	BITS	2760.00	AFE AMOUNT	
TESTERS	3800.00				

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: 112.24 m
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 18/3/1998 REPORT NO: N - 13
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: Continue swabbing

PREVIOUS DAYS OPERATIONS

17-18/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't to RIH with BHA. Checking Tbg torque in middle of stands.
 Displaced 4.62 m³ of fluid while RIH. (same amount used to pressure test W/L lubricator earlier today)
 11:00 Set Cardium 139.7 mm QDH packer @ 2757.99 mKB (Tbg tally) . Land Tbg hanger. Packer set in compression with 10,000 daN of compression.
 Pressure test annulus to 21000 kPa. 15 minute test, no bleed off.
 24:00 R/O work floor, strip off BOPs. Nipple in 35 Mpa Hi-temp flowing style wellhead.
 R/I testers flow line. Pressure test to 21 Mpa, test good. R/I swab equip. Pressure test to 10 Mpa, test good.
 02:30 Held safety & job procedure meeting.
 03:00 Start swabbing. Pulled 14 swabs, accumulated 9.57 m³.
 No fluid inflow.
 07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS.	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today :	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³
Water: _____ m ³	Water: _____ m ³	Water: _____ m ³	Water: 112.24 m ³
			('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 17/3/1998 REPORT NO: D-12
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
CURRENT OPERATIONS @20:00 hrs: R/O Computalog & RIH w/ csg scraper.

PREVIOUS DAYS OPERATIONS

16/3/1998 SITP: _____ kPa SICP: _____ kPa
07:00 Lease inspection. Held safety/operational/procedural meeting.
Pressured tbg to 21,000 kPa - unable to work plug free.
Pressure tested annulus to 7,000 kPa for 15 minutes - good.
08:30 R/O power swivel & pack-off head, R/U mud can.
10:00 POOH, laid down collars - slow trip using mud can, bit in poor condition w/teeth missing.
16:30 R/U Computalog & run CSBL,VDL,GR & CCL 2660 to liner top @ 2304 mKB.
Tagged fill @ 2798.5 mKB, correlated to CBL dated 11/03/98.
19:00 Crew change.

*Cleaned solids from rig tank and put in Precision 622 pit.(10 m³)
*Mixed 114.34 m³ 3% KCL in rig tank & 64 m³ storage tank.
*Enterra Weatherford fisherman includes air charter to Fort Liard on 15/03/98 & day rate for 16/03/98 - returned to Grande Prairie in Safety Boss relief truck.
Tester's cost includes line heater from 08/03 to 16/03 & extra km's.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2550.00	DAILY COST	38655.00
SUPERVISION	1600.00	COMPUTALOG	1150.00	PREVIOUS COST	539501.00
RENTALS	2250.00	CARDIUM TOOLS	650.00	COST TO DATE	578156.00
ACCOMADATIONS	2500.00	VAC TRUCK	1400.00	AFE AMOUNT	
TESTERS	11330.00	FISHERMAN	4525.00		

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. _____ AREA: FORT-LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: 112.24 m
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 17/3/1998 REPORT NO: N - 12
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

16-17/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Pulled small CSBL from 2795 - 2750. Compare log with first Computalog CSBL dated 03/11/98. Need to adjust calipers in computer. Con't up hole. Logged from 2660 - liner top (2303.0 mKB) Correlated on depth with CSBL dated 03/11/98. (amplitude from 2560 - 2570 / 2615 - 2625 looks backwards when comparing to variable energy)
 20:30 R/O Computalog.
 M/U 120.6 mm Varel cone bit (S/N 669426 L3) & 139.7 mm scrapper. RIH tallying & drifting from derrick 88.9 mm Tbg. Ran 533 m of Tbg. Add 177.8 mm scrapper. Con't RIH.
 Work scrapper across interval where BP was set & perfs where.
 Con't Tagged PBTD @ 2798.08 mKB Tbg tally. (discrepancy in new Tbg tally from original tally, new tally is 4 m less. I have more faith in original tally done on pipe racks)
 R/I Tbg swivel & reverse Circ. with clean 3 % KCL fluid. Rotate Tbg with power tongs while Circ. Did not gain any hole. Worked scrapper from PB to 2790 while Circ. (nothing notable in returns) Pumped 85.47 m³, returns are 3 % KCL.
 Pressure test Csg to 24 Mpa. 15 min test, no bleed off.
 05:15 POOH. Tally Tbg on trip out.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: 110.29 m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 16/3/1998 REPORT NO: D-11
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
 CURRENT OPERATIONS @20:00 hrs: Continue POOH w/fish.

PREVIOUS DAYS OPERATIONS

15/3/1998 SITP: _____ kPa SICP: _____ kPa
 07:00 Lease inspection. Held safety/operational/procedural meeting.
 W/O fisherman & tools.
 Changed out kill spool valve, pressure tested blind & pipe rams to 2 & 35 MPa, tested annular to 2 & 21 MPa, tested kill spool valve to 2 & 35 MPa - good.
 13:30 M/U & RIH w/88.9 mm overshot, bumper sub, jars, X-over to 88.9 mm tbg, 88.9 mm pup jt, 272 jts of 88.9 mm tbg.
 17:30 Latched onto fish .5 m in on jt # 272, gained 2,000 daN. POOH. First stand wet.
 19:00 Crew change.

Water truck hauled in camp water on March 9,10,11,12,13,15.
 Trucking hauled in bits, packer, cement retainer, perforating gun from Fort St. John.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	3910.00	DAILY COST	36750.00
SUPERVISION	1600.00	COMPUTALOG	3400.00	PREVIOUS COST	504249.00
RENTALS	2250.00	CARDIUM TOOLS	650.00	COST TO DATE	540999.00
ACCOMADATIONS	2500.00	WATER TRUCK	3950.00	AFE AMOUNT	
TESTERS	3500.00	TRUCKING	1130.00		
FISHERMAN	3160.00				

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: 112.24 m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 16/3/1998 REPORT NO: N - 11
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

15-16/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Con't to POOH.
 21:00 Collars to surface. Remove fishing tools. M/U new 120.6 mm Varel cone bit (S/N 678203 L2) RIH with 5 - 89 mm collars, & 89 mm Tbg to surface.
 02:00 Tag cement top @ 2612 mKB (Tbg Tally) R/I power swivel.
 03:00 Start drilling. Reverse Circ. 0.5 m³ per/min to rig tank. Swivel speed 85 RPM. Drilled 7 meters of cement (averaged 2.5 minutes per/m)
 03:30 Tagged retainer top @ 2619.29 mKB (Tbg tally)
 05:00 Through retainer. Kicked out power swivel. No cement under retainer. Worked bit across Perfs & interval where retainer was set.
 Tagged off at the same time. Worked pump valves to try & free debris in cone bit. 7000 kPa on Csg, 14 Mpa on Tbg. Cannot work plug free. Con't to pick up 89 mm Tbg using power swivel. Tagged cement @ 2808.5 mKB. Tried to work plug out of drill bit. unsuccessful.
 07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS:	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today :	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³
Water: _____ m ³	Water: _____ m ³	Water: _____ m ³	Water: 110.29 m ³

('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead **DATE:** 15/3/1998 **REPORT NO:** D-10
LOCATION: N-65-63-40-122-45 **CONTRACTOR:** Alberta Gold # 30
TD (mKB): 2856.09 **PBTD (mKB):** 2821.43 **Csg Size (mm):** 177.8 **LINER SIZE (mm):** 139.70
AFE # 24697 **FORMATION:** NAHANNI **PERFORATIONS:** _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: **SITP:** 0 **SICP:** 0
CURRENT OPERATIONS @20:00 hrs: Continue drilling cement & retainer.

PREVIOUS DAYS OPERATIONS

14/3/1998 **SITP:** _____ **kPa** **SICP:** _____ **kPa**
 07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued RIH w/bit, collars & 240 jts of 89mm tbg to 2314.04 mKB, reverse circulated 15 m3. (.33 m³ to fill lines & well) no slurry in returns.
 Continued RIH. Tagged cement @ 2504.81 mKB. Laid down 27 jts of 88.9 mm tbg.
 RIH w/26 stands from derrick of 88.9 mm tbg.
 10:00 R/U power swivel, broke circulation & started drilling. Pump rate @ .61 m³/min, penetration rate 4 min/m, not losing any fluid while drilling.
 12:00 Made connection, penetration rate slowed to 15 min/m.
 Cement from 2504.85 to 2531.29 mKB. (.32 m³ of cement)
 14:30 Broke through cement, rotated down 8.5 jts & tagged cement on jt # 271 @ 2598 mKB. 16:00 First 6 ft @ 2min/m then drilling slowed to .5 m/hour from 2604 mKB.
 Slowed pump rate to .4 m³/hour.
 19:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	27012.00
SUPERVISION	1600.00	COMPUTALOG	3400.00	PREVIOUS COST	477237.00
RENTALS	2250.00	CARDIUM TOOLS	650.00	COST TO DATE	504249.00
ACCOMADATIONS	2500.00			AFE AMOUNT	
TESTERS	3500.00				

RIG HOURS _____ **MOBILE:** 600 700 1682 / 250 774 8066 **PREPARED BY:** Randy Hemmingsen
CUM RIG HRS. _____ **AREA:** FORT LIARD **RECEIVED BY:** Shirley Maaskant

LOAD FLUID

otal Load Fluid Used Today : **Daily Recovery:** **Recovered to Date:** **Load to Recover:**
Oil: _____ m³ **Oil:** _____ m³ **Oil:** _____ m³ **Oil:** _____ m³
Water: 1.95 m³ **Water:** _____ m³ **Water:** _____ m³ **Water:** 112.24 m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 15/3/1998 REPORT NO: N - 10
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

14-15/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
Con't to drill, reverse Circ. Slow drilling. Varying pump rate & drilling techniques. Averaging 1 m per/hr.
22:00 Drilled to 2610.0 mKB. Pressure test well to 7000 kPa. 15 minute test, no bleed off.
Con't drilling.
01:00 Drilled to 2612.28 mKB. Have only made .4m in last Hr. R/O power swivel. POOH
05:30 OUT OF HOLE. MISSING DRILL COLLARS. Pin on X/O sub twisted off.
Phoned Weatherford Enterra, Ft St John Ordered fishing tools & man.
Tools need to come from Grande Prairie. Plane chartered to bring man & tools.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

otal Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: 110.29 m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 14/3/1998 REPORT NO: D-9
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @20:00 hrs: _____ SITP: 0 SICP: _____
 CURRENT OPERATIONS @20:00 hrs: Cement squeeze

PREVIOUS DAYS OPERATIONS

13/3/1998 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued to W/O cement foaming agent.
 09:00 Sent cement blend back to Fort Nelson. W/O new blend.
 14:30 Circulated well, 1.9 m³ to fill, lost 13.01 m³ while circulating in 4.5 Hrs.
 18:30 Prehydrated chemicals in sluury water. Held safety/operational meeting w/ personal.
 19:00 Crew change.

* Hauled in 71.2 m³ of fresh water.
 *Sanjel sent out wrong blend - waited on chemicals & new blend.
 *Sanjel the only cementers available.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2538.00	DAILY COST	56708.00
SUPERVISION	1600.00	COMPUTALOG	15080.00	PREVIOUS COST	420529.00
RENTALS	1950.00	CARDIUM TOOLS	2560.00	COST TO DATE	477237.00
ACCOMADATIONS	2500.00	SANJEL CEMENT	15000.00	AFE AMOUNT	
TESTERS	3500.00	WATER TRUCK	1280.00		

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
 CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

otal Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover.
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: 14.91 m³ Water: _____ m³ Water: _____ m³ Water: 110.29 m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 14/3/1998 REPORT NO: N - 9
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

13-14/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Shut down rig pump, R/U Sanjel iron onto well w/ Tbg swivel, pumped 2 m³ of water for preflush, pressure tested lines to 21000 kPa - good.
 19:45 Batch mix 3 m³ of 1885 kg/m³ slurry w/.7% CFR & .7% CFL-2, added FA1 foaming agent @ 12 liters per/m³ on the fly.
 20:00 Pumped 3 m³ of slurry followed by 7.9 m³ of water, stung into retainer, pumped 2.5 m³ of water @ .5 m³/min, slowed rate to .2 m³/min - still getting full returns, slowed rate to .1m³/min for final .5 m³, cut flush by .2 m³. Annulus still holding fluid column.
 21:00 R/O Sanjel iron. POOH, laid down 7 Jts. First 3 Jts dry. Next 14 Jts wet.
 T of cement on outside of Tbg with 346 m left in hole.
 L 5 stands. No problems. 01:00 cement surface samples still soft.
 M/U 120.6 mm Smith cone bit. (S/N T70620 QM)
 02:30 RIH with 6 - 89 mm drill collars & 89 mm Tbg.
03:00 cement surface samples hard.
 07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS.	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today :	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³
Water: _____ m ³	Water: _____ m ³	Water: _____ m ³	Water: <u>110.29</u> m ³
			(+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 13/3/1998 REPORT NO: N -8
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): 2856.09 PBD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

12-13/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
 Inspect Cardium packers. Top element on 177.8 mm packer slightly swelled. 139.7 mm packer in good shape.
 R/I Computalog. Measure & inspect Perf gun. 1.0m x 101.4 mm ERHSC, 39 GR, HMX charges, 17 SPM, 60° phasing. RIH with CCL & Perf gun. Correlate on depth with Computalog CBL/GR dated Mar. 11/98. Perf gun positioned @ 2618 - 2619.0 mKB. Gun misfired. Held safety meeting. POOH. Checked out possible causes. Replace detonator with new. RIH with same Perf gun. Correlate on depth with Computalog CBL/GR dated Mar. 11/98. Perf gun positioned @ 2618 - 2619.0 mKB.
 22:00 Fired gun. POOH. Inspected gun. All shots fired.
 Measure Cardium 139.7 mm PWCR cement retainer.
 F on W.L. Correlate on depth with Computalog CBL/GR dated Mar. 11/98. Set Cardium cement retainer with middle of element @ 2616.0 mKB. Pick up & retag retainer. POOH. R/O Computalog.
 01:30 M/U 139.7 mm cement retainer stinger. RIH.
 04:30 R/I to Circ. Down Tbg up Csg to rig tank.
 Took 1.9 m³ of fluid to fill hole. (no fluid displacement while RIH) Stung into retainer. Pumped 0.5 m³ of fresh @ 4 Mpa. returns to surface. Pulled up into neutral & pressure test Tbg to 7 Mpa, no bleed off. 06:00 W/O cementers.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

total Load Fluid Used Today : _____ Daily Recovery: _____ Recovered to Date: _____ Load to Recover
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: 5.6 m³ Water: _____ m³ Water: _____ m³ Water: 95.38 m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 13/3/1998 REPORT NO: D-8
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBTD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: _____
CURRENT OPERATIONS @20:00 hrs: RIH w/139.7 mm cement retainer.

PREVIOUS DAYS OPERATIONS

12/3/98 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
Circulated down tbg returning to rig tank holding 5,000 kPa back pressure - .75 m3/min.
09:00 Shut down pump - well still flowing up annulus - resume circulating.
Lost circulation, shut down pump tbg still flowing, slight blow on csg.
11:00 Set 177.8 mm QUE packer in run position, RIH, set 177.8 mm packer @ 2292.52 mKB.
Pressure tested annulus to 7,000 kPa for 15 minutes - good.
Established feed rate down tbg @ .4 m3/min @ 5,500 kPa.
14:00 Unset packer, POOH.

*Hard blow out drill - secured well in 35 seconds.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	29467.00
SUPERVISION	1600.00	COMPUTALOG		PREVIOUS COST	391062.00
RENTALS	1950.00	CARDIUM TOOLS	5935.00	COST TO DATE	420529.00
ACCOMADATIONS	2500.00	88.9 mm PUP JNTS	870.00	AFE AMOUNT	
TESTERS	3500.00				

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: 22.14 m³ Water: _____ m³ Water: _____ m³ Water: 89.79 m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 12/3/98 REPORT NO: D-7
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 1000 kPa
CURRENT OPERATIONS @20:00 hrs: RIH w/ 139.7 & 177.8 mm packers to find leak.

PREVIOUS DAYS OPERATIONS

10/3/98 SITP: _____ kPa SICP: _____ kPa
07:00 Lease inspection. Held safety/operational/procedural meeting.
RIH w/118.61 mm gauge ring/junk basket, hung up @ 2811.0 mKB.
10:00 RIH w/GR/CCL/VDL/CBL tool & log from PBDT to 139.7 mm liner top.
Appears to be very poor bond below 2650 mKB & little or no cement above 2650 mKB. ,
Fax logs into Calgary.
14:30 RIH w/ temp logging tool, logged from 1000 mKB to PBDT.
Slight blow on csg. Maximum temperature @ 2821.43 mKB - 130 degrees celcius.
2.5 degree temperature drop @ 2650 mKB.
18:30 R/O Computalog EWL unit. Csg pressure built up to 1100 kPa.
Bled off csg pressure, pumped 5.28 m3 of fresh water, well on vacuum.
10 Crew change.

*Trucked up 177.8 mm cement retainer.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	48692.00
SUPERVISION	1600.00	COMPUTALOG	25000.00	PREVIOUS COST	276720.00
RENTALS	1950.00	TRUCKING	1030.00	COST TO DATE	325412.00
ACCOMADATIONS	2500.00			AFE AMOUNT	
TESTERS	3500.00				

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: 5.28 m³ Water: _____ m³ Water: _____ m³ Water: 60.85 m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 12/3/98 REPORT NO: N -7
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

11-12/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
M/U & RIH following assembly.
1 - 139.7 mm Cardium P-QDH 10 K, Hi temp element packer.
54 - 89 mm Jts. (504.64 m)
1 - 177.8 mm P-QUE Cardium 10K, Hi temp element packer.
192 - 89 mm Jts. (1807.73 m)
Set 139.7 mm packer @ 2314 mKB with 6500 daN compression. Pressure test liner to 7 Mpa. 600 kPa bleed of in 15 minutes. Retest with same results. (may be thread leak, packer leak, or pressure loss from hot fluid being pumped down Tbg.)
Unset packer. Con't to RIH. With an additional 14 Jts in hole 177.8 mm packer set.
Went through unsetting motions, unable to put packer in running position.
Pulled up hole until 139.7 mm packer out of liner.
Csg side started to kick out fluid. Monitor flow to rig tank. (20 minutes well kicked out 1.2 m³, no H₂s) Csg side dead. Went through unsetting motions. Unable to get packer into running position. Csg side starting to kick out fluid. Fluid starting to kick out Tbg. Pumped 8.0 m³ of fresh water down Csg. Csg pressure built to 6000 kPa, Tbg pressure built to 4000 kPa.
R/I to Circ.
07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
(+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 11/3/98 REPORT NO: D-6
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: SITP: 0 SICP: 0
CURRENT OPERATIONS @20:00 hrs: RIH w/ 177.8 mm csg scraper.

PREVIOUS DAYS OPERATIONS

9/3/98 SITP: kPa SICP: kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
RIH w/ 120.7 mm bit, 139.7 mm csg scraper. Scraped liner top 15 times - only a small flicker on weight indicator when going into 139.7 mm liner. Scraped liner 3 times from 2600 to 2670.
13:00 Tagged PBDT @ 2821.43 mKB. Reverse circulated 30 m3 - 1 m3 to break circulation & lost 9.82 m3 during circulation.
14:30 POOH, filled hole while POOH.(10.55 m3)
18:30 Changed equipment to RIH.
19:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	86882.00
SUPERVISION	1600.00	WATER TRUCK	1620.00	PREVIOUS COST	189838.00
RENTALS	1550.00	88.9 mm TUBING	63000.00	COST TO DATE	276720.00
ACCOMADATIONS	2500.00			AFE AMOUNT	
TESTERS	3500.00				

RIG HOURS MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: 21.37 m³ Water: _____ m³ Water: _____ m³ Water: 51.64 m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 11/3/98 REPORT NO: N -6
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBDT (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

10-11/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
M/U 177.8 mm scrapper. RIH on 88.9 mm Tbg. (started to displace fluid with 90 Jts in hole)
Worked scrapper from 1723 - 1732 (inside 177.8 mm liner)
Tagged liner top @ 2304.47 mKB (Tbg tally) Worked scrapper from 2304 - 2294.
11:15 POOH. Filled well with 4 m³ of fresh water during POOH.
3:45 R.I. Computalog W.L. C/W full lubricator. RIH with 151 mm gauge ring. Tag liner top @ 2297.0 (W.L. depth not correlated)
06:30 POOH.
07:00 Shift change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover.
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: 34.3 m³ Water: _____ m³ Water: _____ m³ Water: 55.57 m³
('+' new fluid)

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead **DATE:** 10/3/98 **REPORT NO:** 5
LOCATION: N-65-63-40-122-45 **CONTRACTOR:** Alberta Gold # 30
TD (mKB): 2858.09 **PBTD (mKB):** 2812.80 **Csg Size (mm):** 177.8 **LINER SIZE (mm):** 139.70
AFE # 24697 **FORMATION:** NAHANNI **PERFORATIONS:** _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @20:00 hrs: **SITP:** 0 **SICP:** 0
CURRENT OPERATIONS @20:00 hrs: Pressure test csg, POOH.

PREVIOUS DAYS OPERATIONS

9/3/98 **SITP:** **kPa** **SICP:** **kPa**

07:00 Lease inspection. Held safety/operational/procedural meeting.
 Continued RIH w/ 120.7 mm bit, collars & 88.9 mm EUE tbg.
 09:30 Tagged cement or liner top @ 2304.47 mKB, couldn't work bit into liner.
 Tbg & csg flowing, R/U & reverse circulate to rig tank. Lots of gas, lost 5.8 m3 during circulation.
 13:00 R/U power swivel, rotate into liner top, small amount of stringers. Well kicking out more gas.
 Make connection, broke circulation, ran jt without rotating, circulated gas out lost a total of 8.7 m3.
 16:00 R/O swivel, pick up singles & RIH. Tagged PBTD @ 2812.6 mKB, set 10,000 daN on bottom, bottom very hard.
 19:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	22662.00
SUPERVISION	1600.00			PREVIOUS COST	167176.00
RENTALS	1950.00			COST TO DATE	189838.00
ACCOMADATIONS	2600.00			AFE AMOUNT	
TESTERS	3500.00				

RIG HOURS _____ **MOBILE:** 600 700 1882 / 250 774 8066 **PREPARED BY:** Randy Hemmingsen
CUM RIG HRS. _____ **AREA:** FORT LIARD **RECEIVED BY:** Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : **Daily Recovery:** **Recovered to Date:** **Load to Recover:**
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
(*+ new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 10/3/98 REPORT NO: N -5
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBD (mKB): 2821.43 Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

9-10/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
Pulled 2 - Jts. R/I to pressure test. Pumped .56 m³ to catch fluid. Established feed rate pumping .4 m³ per/min @ 7000 kPa. (pumped a total of 5 m³ of fresh water during test)
RIH. R/I power swivel. Drilled from 2812.6 - 2821.43 mKB (Tbg tally) First 6 m drilled where soft. Last 2.5 m took about 3 minutes per/meter to drill. Circ well clean. (have sample of cement returns) Lost 7.7 m³ to well while drilling & Circ cement to surface.
24:00 R/O power wivel. POOH. Filled well with 6.54 m³ of fresh water during trip OOH.
07:00 Shift change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS.	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today :	Daily Recovery:	Recovered to Date:	Load to Recover
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m
Water: <u>34.3</u> m ³	Water: _____ m ³	Water: <u>4</u> m ³	Water: <u>30.27</u> m
			('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 9/3/98 REPORT NO: 4
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @20:00 hrs: POOH w/bridge plug.

PREVIOUS DAYS OPERATIONS

8/3/98 SITP: _____ kPa SICP: _____ kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
POOH. Stood collars, bit was missing 4 teeth.
13:00 RIH w/Baker model "H" retrieving head for model "C" 47B retrievable bridge plug, 245 - jts of 88.9 mm EUE, R/U to circulate. Broke circulation, gelled water & drilling mud in returns - ph of 10.
Mud viscosity - 35, mud weight - 1040 kg's/m.
17:00 Pumped tank across to 64 m3 tank, left 15 m3 for drilling.
18:00 Worked retrieving head onto bridge plug.

- * 1 prejob safety/operational/procedural meeting w/new rig crew.
- * Tool & hotshot includes air charter & retrieving head rental.
- * Water hauler filled 64 m3 tanks.
- * Hauled in 2 additional 64 m3 tanks for storage.
- * Hauled in line heater from Red Deer.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2412.00	DAILY COST	108467.00
SUPERVISION	1600.00	TOOL & HOTSHOT	3270.00	PREVIOUS COST	124359.00
RENTALS	1800.00	RIG & CAMP MOVE	72615.00	COST TO DATE	232826.00
WATER HAULER	1120.00	ACCOMADATION	2500.00	AFE AMOUNT	
TESTERS	3500.00	TRUCKING	8950.00		

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. _____ AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

total Load Fluid Used Today : _____ Daily Recovery: _____ Recovered to Date: _____ Load to Recover: _____
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 9/3/98 REPORT NO: N -4
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): _____ PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

8-9/3/98 SITP: _____ kPa SICP: _____ kPa

19:00 Crew change. Held safety & job procedure meeting.
Tried to set Baker model "C" BP. Unable. Ran to top of liner. Set 1000 daN on top of BP, rotate to right with tongs. Picked up & went through motions of setting BP. Unable. Ran in to top of liner. Started to rotate Tbg with tongs while squeaking brake handle. Applied 6000 daN, Tbg torque slowly increased with weight applied. Pulled up & tried to set BP. No success.
20:00 POOH.
20:30 Foster 54-93 rental tongs broke down. Tried to fix, unable.
23:00 R.I. AG 58-93 Tbg tongs. POOH.
02:30 Baker model "C" BP retrieved.
M/U 120.6 mm Smith cone bit. (S/N T70620, QM)
04:00 RIH with 6- 89 mm drill collars, & 89 mm Tbg.
07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 8/3/98 REPORT NO: D-3
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): 2856.09 PBTD (mKB): Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: NAHANNI PERFORATIONS:
PERFORATIONS:
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: SITP: SICP:
CURRENT OPERATIONS @08:00 hrs: RIH w/ drill string.

PREVIOUS DAYS OPERATIONS

7/3/98 SITP: kPa SICP: kPa

07:00 Lease inspection. Held safety/operational/procedural meeting.
09:00 Unloaded racks, tbg & stabbing mat.
Steamed tbg protectors to remove, tallied, drifted & RIH w/ bit, 6 - 88.9 mm collars, 60.3 mm IF X 88.9 mm EUE sub, tbg to surface.

*Timed accumulator build ups(98 seconds after 3 function). Tested remotes, checked N2 back up.
*Vac truck pulled 4 loads of sewage out of camp sump & hauled to Liard sewage lagoon.
*Service rig crew change.
*Held blow out drill - 20 seconds to secure.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00	SAFETY BOSS	2670.00	DAILY COST	65650.00
SUPERVISION	1600.00	KCL & TRUCKING	4750.00	PREVIOUS COST	58709.00
RENTALS	1800.00	PROPANE	2070.00	COST TO DATE	124359.00
VAC TRUCK	1360.00	ACCOMADATION	2500.00	AFE AMOUNT	
TESTERS	3500.00	WELLHEAD	34700.00		

RIG HOURS: MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: Randy Hemmingsen
CUM RIG HRS. AREA: FORT LIARD RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover
Oil: m³ Oil: m³ Oil: m³ Oil: m³
Water: m³ Water: m³ Water: m³ Water: m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 8/3/98 REPORT NO: N -3
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): _____ PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: _____

PREVIOUS DAYS OPERATIONS

7-8/3/98

SITP:

kPa

SICP:

kPa

20:00 Crew change. Held safety & job procedure meeting.

Con't RIH from pipe racks with 88.9 mm Tbg.

Pressure tested annulus to 21 Mpa. 15 minute test, no bleed off.

22:00 unloaded 210 - bags of potassium chloride.

Con't to RIH. (operation very slow, thread protectors frozen on Tbg, & V door missing from catwalk to rig floor need to winch every joint to floor)

02:45 Tagged top of 177.8 mm Csg @ 1723.93 mKB (Tbg tally)

04:00 Tagged BP @ 1952.9 mKB (Tbg tally) Set 2000 daN on BP. BP moving down hole. Con't to RIH, BP occasionally catching on Csg collar.

Pushed BP to liner top @ 2302.59 mKB (Tbg tally)

○ R.I. power swivel. Made call to Baker Oil tool. BP in hole retrievable.

R.O. power swivel

07:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS	MOBILE: 600 700 1682 / 250 774 8066	PREPARED BY: J. STROH
CUM RIG HRS.	AREA: FT. LIARD	RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

otal Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME:	Paramount et al Arrowhead	DATE:	7/3/98	REPORT NO:	2
LOCATION:	N-65-63-40-122-45	CONTRACTOR:	Alberta Gold # 30		
TD (mKB):	2856.09	PBTD (mKB):	Csg Size (mm): 244.5	LINER SIZE (mm):	177.8 / 139.5
AFE #	24697	FORMATION:	PERFORATIONS:		
PERFORATIONS:					
PURPOSE: Completion					
WELLHEAD PRESSURES @08:00 hrs:		SITP:	SICP:		
CURRENT OPERATIONS @08:00 hrs:		Continue Rigging up / moving camp.			

PREVIOUS DAYS OPERATIONS

6/3/98	SITP:	kPa	SICP:	kPa
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07:00 Lease inspection. Held safety/operational/procedural meeting.
Continued moving camp & rig & equipment & test equipment to location.
Hauled in 2950 m of 88.9 mm J-55 EUE tbg, suite of pups, 6 - 88.9 mm collars & handling equip.
Continued rigging up equipment. Stood flare stack.
19:00 Crew change.

DAILY COST SUMMARY

Item	Amount	Item	Amount		Item	Amount
RIG	10700.00	SAFETY BOSS	5070.00		DAILY COST	42745.00
SUPERVISION	3500.00	WELLHEAD	395.00		PREVIOUS COST	15964.00
RENTALS	1800.00	ACCOMADATION	5000.00		COST TO DATE	58709.00
TRUCKING (88.9 mm tbg)	5850.00	ANCHORS	3430.00		AFE AMOUNT	
TESTERS	7000.00					

RIG HOURS	MOBILE: 250-774-6088/600-700-1682	PREPARED BY: Randy Hemmingsen
CUM RIG HRS.	AREA: FORT LIARD	RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today :		Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____	m ³	Oil: _____	Oil: _____	Oil: _____ m
Water: _____	m ³	Water: _____	Water: _____	Water: _____ m
('+' new fluid)				

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 7/3/98 REPORT NO: N -2
LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
TD (mKB): _____ PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
AFE # 24697 FORMATION: _____ PERFORATIONS: _____
PERFORATIONS: _____
PURPOSE: Completion
WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
CURRENT OPERATIONS @08:00 hrs: CON'T RIGGING IN EQUIP.

PREVIOUS DAYS OPERATIONS

6-7/3/98 SITP: _____ kPa SICP: _____ kPa

20:00 Crew change. Held safety & job procedure meeting.
Nipple in Class III BOP C/W 2 - sets of 88.9 mm pipe rams.
Pressure test BOPs to Paramount Resources, NEB regulations. (1.4 Mpa - 35 Mpa) Test good.
R.I. Workfloor, Tbg equip, steam heaters & tarps.
24:00 W/O trucks. (need to spot pipe racks & load Tbg)
04:00 Measure & calibrate 6 - 88.9 mm drill collars. Make up 152.4 mm Bit. (S/N BX5612, DGJ)
RIH.
07:00 W/O trucks.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

otal Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:
Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: Paramount et al Arrowhead DATE: 6/3/98 REPORT NO: 1
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): _____ PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURES @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: Continue Rigging up / moving camp.

PREVIOUS DAYS OPERATIONS

5/3/98

SITP:

kPa

SICP:

kPa

08:00 Lease inspection. Held safety/operational/procedural meeting.
 Laid over rig, started moving rig & equipment from C-70 to new location.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	10700.00			DAILY COST	15964.00
SUPERVISION	8500.00			PREVIOUS COST	
RENTALS	1764.00			COST TO DATE	15964.00
				AFE AMOUNT	

RIG HOURS	MOBILE:	PREPARED BY: Randy Hemmingsen
CUM RIG HRS.	AREA:	RECEIVED BY: Shirley Maaskant

LOAD FLUID

Total Load Fluid Used Today : _____ Daily Recovery: _____ Recovered to Date: _____ Load to Recover: _____
 Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³
 Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³
 ('+' new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

V _ NAME: Paramount et al Arrowhead DATE: 6/3/98 REPORT NO: N -1
 LOCATION: N-65-63-40-122-45 CONTRACTOR: Alberta Gold # 30
 TD (mKB): _____ PBD (mKB): _____ Csg Size (mm): 177.8 LINER SIZE (mm): 139.70
 AFE # 24697 FORMATION: _____ PERFORATIONS: _____
 PERFORATIONS: _____
 PURPOSE: Completion
 WELLHEAD PRESSURE @08:00 hrs: _____ SITP: _____ SICP: _____
 CURRENT OPERATIONS @08:00 hrs: CON'T RIGGING IN EQUIP.

PREVIOUS DAYS OPERATIONS

5-6/3/98 SITP: kPa SICP: kPa

20:00 Crew change. Held safety & job procedure meeting. Con't moving equip to Loc.
 Moved all rig equip, 3-00 m³ production tanks, Entest testing equip, safety trailers, rental equip, & 1-00 m³ lined production tank to Loc.
 All equip spotted to Paramount Resources, N.E.B. regulations.
 Rigged in Class III accumulator, boiler & steam lines.
 Prepare to stand derrick in daylight.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG				DAILY COST	0.00
SUPERVISION				PREVIOUS COST	
RENTALS				COST TO DATE	0.00
				AFE AMOUNT	

RIG HOURS _____ MOBILE: 600 700 1682 / 250 774 8066 PREPARED BY: J. STROH
 CUM RIG HRS. _____ AREA: FT. LIARD RECEIVED BY: SHIRLEY MAASKANT

LOAD FLUID

Total Load Fluid Used Today : Daily Recovery: Recovered to Date: Load to Recover:

Oil: _____ m³ Oil: _____ m³ Oil: _____ m³ Oil: _____ m³

Water: _____ m³ Water: _____ m³ Water: _____ m³ Water: _____ m³

('+' new fluid)

PARAMOUNT RESOURCES LTD.

WELL SUMMARY

Dec 12/98
Feb 3/99Daily
Completion
Reports

WELL NAME & LOCATION: PARAMOUNT BERKLEY ARROWHEAD N. 65

FIELD NAME: ARROWHEAD

SERVICE RIG USED: CENALTA RIG # 42

WELL STATUS: RECORDERS IN WELL FOR EXTENDED SHUT IN PRESSURES

DATE WORK STARTED:

DATE WORK FINISHED: 02/02/99

T.D. 2925.0 P.B.T.D. 2612.5m

WELL LIC. #: WID1833

ELEVATION: Ground 568

KB 574.6 SCF 6.9

DISTANCE: KB-GRD 6.9

KB-SCF 6.9 KB-TBG-SP 6.9

TUBING HEAD: Make: WALKER

Size: 279.4 x 179.4 x 35 MPA

SPOOL TYPE: WALKER "GRF"

SERIAL NUMBER: 22595 & 22559

FORMATION: SLAVE POINT

PERFORATIONS: 2529.0 - 2581.0 & 2594.0 - 2601.0

FORMATION:

PERFORATIONS:

STIMULATION & FORMATION: 9.70m3. 15% HCL PERACI FAN NITROFIED ACID

PRODUCTION CASING: Size: 177.8mm Landed @ 2529.0 mKB

Wt. 38.69 kg/m, INTERVAL 1723 m. to 2529 m. Grade: MN - 80

Wt. kg/m, INTERVAL m. to m. Grade:

Wt. kg/m, INTERVAL m. to m. Grade:

PRODUCTION LINER (opt.) Size: 139.7mm Landed @ 2856.1 mKB

Wt. 25.3 kg/m, Liner Top @ 2297.2 mKB Grade: L - 80

TUBING: Size: 88.9mm Landed @ 2548.0 mKB

Wt. 13.84 kg/m, Grade: L-80 Thread: EUE Coupling: 8 RND

REMARKS: THERE IS A 101mm ERHSC TUBING CONVERTED PERFORATING GUN ON TBG BOTTOM
BOTTOM OF T.C.P. IS AT 2601 m.

THERE IS ALSO A 139.7mm. CARDIUM "PODH" (10 K) PACKER SET @ 2567.37m C.F.

THERE IS A 58.67mm "X" NIPPLE @ 2568.14m. CASING FLANGE.

THERE IS A 58.67mm "X" NIPPLE IN ON-OFF CONNECTOR @ 2571.49m. CASING FLANGE.

THERE IS A 58.67mm "XN" NIPPLE WITH A 57.4mm NO. 6 @ 2577.49m. CASING FLANGE.

PARAMOUNT RESOURCES LTD.					
DOWNHOLE DIAGRAM					
Existing					
WELL NAME: PARAMOUNT PERFECTION WEAVER HILLS					
Prepared by: A. J. J. J. J.		Date: 02/08/99			
Elevations					
FB (m)	574.0	1000 (m)	6.90	110 (m)	125.00
Tubulars					
Size (mm)	WT - kg/m	Grade	Landing Depth (m)		
Surface casing	61.10	155	0.000		
Intermediate casing	61.10	155	0.000		
Production casing	25.30	L 80	255.69		
Wellhead Description					
Make / Type: ABBOTT (15) RFS					
Size / Rating: 115 (15) mm					
Tubing String:					
Detailed Tubing Description				Length	Top @
No.	Description	WT - kg/m	0.30	KS Depth	
214	88.9mm L 80 155.34 kg/m TUBING			6.30	
53	88.9mm L 80 155.34 kg/m TUBING		2567.99		
1	88.9mm PUP JOINT		1.23	2564.76	
1	88.9mm TUBING JOINT		9.36	2555.40	
1	88.9mm X 73.0mm X O SUB		0.15	2564.55	
1	73.0mm PUP JOINT		3.11	2569.66	
1	73.0mm X NUT (58.67mm PROFILE)		0.25	2569.91	
1	73.0mm PUP JOINT		3.06	2568.65	
1	73.0mm ON OFF CONNECTOR (58.67mm)		1.48	2572.23	
1	139.7mm X 73.0mm CARDIUM PODH PACKER		1.47	2572.70	
1	73.0mm PUP JOINT		3.05	2574.25	
1	73.0mm XN NUT (58.67mm & 5/4 NO GO		0.31	2574.56	
1	101mm TUBING CONVEYED PERF GUN		23.20	2577.76	
Produced Tubing (m)				0.000	
Rod String:					
Cable (m) (m)					
Rods					
RHSN					
Subsidiary Pump Description:					
Packer:					
Zone	SLAVE POINT	Interval	25710 - 25810		
Zone	SLAVE POINT	Interval	25710 - 25810		
Zone		Interval			
Simulation: 100% OF 100% CLEANING POINT: 100%					

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: **PARAMOUNT BERKELEY ARROWHEAD** DATE: **99/02/04** REPORT NO: **50**
 LOCATION: **N 65** CONTRACTOR:
 D (mKB): **2925.0** PRTD (mKB): **2612.5** Csg Size (mm): **139.7** AFF #: **27672**
 FORMATION: **SLAVE POINT** Perforations: **2579.0 - 2581.0 & 2594.0 - 2601.0**
 PURPOSE: **COMPLETE AS A SLAVE POINT GAS WELL**
 MUDLOG PRESSURES @08:00 hrs SITP: kPa SICP: kPa
 CURRENT OPERATIONS @08:00 hrs **RIG RELEASED - WELL SHUT IN WITH RECORDERS ON BOTTOM**

FROM	TO	PREVIOUS DAYS OPERATIONS
800		SITP: kPa SICP: kPa MOVED RIG & RELATED EQUIPMENT OFF LOCATION. TRANSFERRED 138.0m3. OF FRESH DIRTY WATER FOR DISPOSAL TO FT. ST. JOHN, B.C. TRANSFERRED 67 JOINTS OF 88.9mm. J55 TUBING TO FT. LIARD, FOR FUTURE STOCK.
1600		MATERIAL TRANSFER ATTACHED.

NOTE: 3 - 400 BBL. PRODUCTION TANKS TO BE MOVED OFF LOCATION LATER.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	N/C			DAILY COST	\$5,573.00
SUPERVISION	N/C			PREVIOUS	\$1,337,108.00
RENTALS	N/C			COST TO DATE	\$1,342,681.00
PIPE CARRIAGE	\$773.00			AFF AMOUNT	\$1,085,548.00
TANK TRUCKS	\$4,800.00				

RIG HOURS	MOBILE	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS.	ARLA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date:	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 22.3 m ³	Water: 0 m ³	Water: 76.89 m ³	Water: 0.0
			(+ new fluid) 54.89

15:31 02/03/99

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PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 99/02/03 REPORT NO: 55
 LOCATION: N 65 CONTRACTOR: GENAI TA RIG # 42
 TO BE KEPT: 10000 PRD (KRB) 2612 S Csg Size (mm): 139.7 API #
 FORMATION: SLAVE POINT Perforations: 2579.0 - 2581.0 & 2594.0 - 2601.0
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @008:00 hrs SHIP: kPa SICP: kPa
 CURRENT OPERATIONS @008:00 hrs: RIG RELEASED, FLAR OUT & MOVE OFF LOCATION.

FROM	TO	PREVIOUS DAYS OPERATIONS
		SHIP: 9000 kPa SICP: 9000 kPa
800	830	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS, & HOLD SAFETY MEETING
830		RIG IN TRI-ALTA BEWES SLICKLINE TRUCK, RUN IN & SET AN 88.9mm. HOOK WALL TUBING PLUG @ 21 m. - PLUG LEAKING, SUSPECT WELL TOO COLD FOR PLUG TO SEAL.
		PULL OUT PLUG & RE-DRESS SAME, FOUND ONE SEAL DAMAGED, CHANGE OUT SEAL.
		RUN IN & SET 88.9mm. HOOK WALL TUBING PLUG @ 116.0m. C.F. - RIG OFF SLICKLINE UNIT
1045	1045	BLEED OFF TUBING, TUBING PLUG HOLDING GOOD.
1300	1300	REMOVE WELLHEAD FROM TOP OF B.O.P.s, RIG OUT STAIRS, HAND RAILS & WORK FLOOR,
1300	1400	NIPPLE DOWN B.O.P.s, & LOAD OUT SAME. - NIPPLE UP WELLHEAD.
1400	1400	RIG ON SLICKLINE TO PULL TUBING PLUG & PULL SAME, RIG OUT SLICKLINE TRUCK.
1400	1800	TEAR OUT RIG, RIG PUMP & TANK, ACCUMULATOR & BOILER, PREPARE FOR RIG MOVERS
	1800	SECURE WELL & S.D.F.N. @ 1800 HRS.
NOTE: RIG RELEASED @ 1800 HRS. 99-02-03.		
CAMP MOVED OFF LOCATION ON 99-02-03.		

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,100.00	TESTERS	\$3,320.00	DAILY COST	\$16,861.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00	PREVIOUS	\$1,320,247.00
RENTALS	\$532.00	SLICKLINE TRUCK	\$3,889.00	COST TO DATE	\$1,337,108.00
CAMP	\$2,500.00	FUEL CARTAGE	\$425.00	AFC AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS	10	MOBILE	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS.	621	ARLA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 0.0 m ³	Water: 0 m ³	Water: 75.89 m ³	Water: 0.0
			(+ new fluid) 54.59

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME PARAMOUNT BERKLEY ARROWHEAD DATE 99/02/03 REPORT NO 55
 LOCATION N-155 CONTRACTOR CENAL TA RIG # 42
 TO (mKB) 2025.0 PBID (mKB) 2512.5 Csg Size (mm) 139.7 AFF # 27673
 FORMATION SLAVE POINT Perforations 2579.0 - 2581.0 & 2594.0 - 2601.0
 PURPOSE COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @08:00 hrs: SITP kPa SICP kPa
 CURRENT OPERATIONS @08:00 hrs: RIG RELEASED, TEAR OUT & MOVE OFF LOCATION

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP <u>9000</u> kPa SICP <u>9000</u> kPa
8:00	8:30	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS, & HOLD SAFETY MEETING
8:30		RIG IN TRIALTA BEWES SLICKLINE TRUCK, RUN IN & SET AN 88.9mm. HOOK WALL TUBING PLUG @ 21 m. - PLUG LEAKING, SUSPECT WELL TOO COLD FOR PLUG TO SEAL.
		PULL OUT PLUG & RE-DRESS SAME, FOUND ONE SEAL DAMAGED, CHANGE OUT SEAL.
		RUN IN & SET 88.9mm. HOOK WALL TUBING PLUG @ 116.0m. C.F. - RIG OFF SLICKLINE UNIT
	10:45	BLEED OFF TUBING, TUBING PLUG HOLDING GOOD.
10:45		REMOVE WELL HEAD FROM TOP OF B.O.P.s, RIG OUT STAIRS, HAND RAILS & WORK FLOOR
	1:00	NIPPLE DOWN B.O.P.s, & LOAD OUT SAME. - NIPPLE UP WELLHEAD.
1:30	14:00	RIG ON SLICKLINE TO PULL TUBING PLUG & PULL SAME, RIG OUT SLICKLINE TRUCK.
14:00	18:00	TEAR OUT RIG, RIG PUMP & TANK, ACCUMULATOR & BOILER, PREPARE FOR RIG MOVERS
	18:00	SECURE WELL & S.D.F.N. @ 1800 HRS.

* NOTE : RIG RELEASED @ 1800 HRS. 99-02-03.
 CAMP MOVED OFF LOCATION ON 99-02-03.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,100.00	ILSTERS	\$3,320.00	DAILY COST	\$16,861.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00	PREVIOUS	\$1,320,217.00
RENTALS	\$532.00	SLICKLINE TRUCK	\$3,889.00	COST TO DATE	\$1,337,108.00
CAMP	\$2,500.00	FUEL CARTAGE	\$425.00	AFF AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS	10	MOBILE	1-600-700-9162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	621	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil <u> </u> m ³	Oil <u> </u> m ³	Oil <u> </u> m ³	Oil <u>0.0</u>
Water: <u>22.3</u> m ³	Water <u> </u> m ³	Water: <u>76.89</u> m ³	Water <u>0.0</u>
			(* new fluid) <u>54.59</u>

07:16 02/03/99

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PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BRKLEY ARROWHEAD DATE: 99/02/02 REPORT NO: 54
 LOCATION: N 65 CONTRACTOR: CENALTA RIG # 42
 TD (mRB): 2725.0 PBTD (mRB): 2612.5 Csg Size (mm): 133.7 AFF #
 FORMATION: SLAVE POINT Perforations: 2579.0 - 2581.0 & 2594.0 - 2601.0
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @08:00 hrs SITP: kPa SICP: kPa
 CURRENT OPERATIONS @08:00 hrs RECORDERS IN PLACE & WELL ON EXTENDED SHUT IN

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP flow kPa SICP 600 kPa
0800	1500	FLOW TEST WELL WITH ENTEST CORP. (FLOW TEST REPORT ATTACHED).
		SHUT WELL IN, RIG IN SLICKLINE TRUCK, RUN IN TO RECOVER RECORDERS & RECOVER SAME. MAKE UP & RUN IN WITH NEW TANDEM AMERADA MECHANICAL HIGH TEMPERATURE HIGH PRESSURE 360 HOUR PRESSURE RECORDERS & HANG OFF @ 2555m. C.F. - CLOCKS ON BOTTOM @ 2120 HRS. 99-02-02. - ATTEMPT TO RUN & SET A HOOK WALL TUBING PLUG, WHEN MASTER VALVE WAS OPENED, PRESSURE FROM WELL BLEW PLUG UP INTO THE LUBRICATOR & SETTING IT THERE. SLICKLINE PEOPLE REPAIR MALFUNCTION, RIG CREW SECURED WELL FOR NIGHT & SHUT DOWN @ 2300 HOURS.
	2300	WILL ATTEMPT TO RUN & SET PLUG IN A.M.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,314.00	TESTERS	\$2,421.00	DAILY COST	\$23,095.00
SUPERVISION	\$745.00	TOOL LAND	\$600.00	PREVIOUS	\$1,297,152.00
TESTERS	\$532.00	SLICKLINE		COST TO DATE	\$1,320,247.00
CAMP	\$2,500.00	TANK TRUCKS	\$9,600.00	AFF AMOUNT	\$1,085,548.00
SAFETY	\$750.00	WATER TRUCK	\$633.00		

RIG HOURS	10	MOBIL	1-600-700 5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	611	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 22.3 m ³	Water 0.54 m ³	Water 76.89 m ³	Water 0.0
			(1" new fluid) 54.59

ENTEST CORP.

CUSTOMER: PARAMOUNT

WELL NAME: PARAMOUNT BERKEY ARROWHEAD

WELL TYPE: ISOTHERMAL EXTENDED RATE

COMPANY REP: AL IRONSIDE

FIELD OR AREA: ARROWHEAD

WELL ZONE: SLAVE POINT

METER NO.: 154 05

GAS DENSITY: 0.65 kg/m^3

METER NUMBER: 14

SUPERVISOR: R. LUTZ

Date mm/dd/yyyy	Time hh:mm	EPR flow Time Decimal	Choke size mm	Tubing Press kPa	Casing Press kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ m ³	Fluid Volume MP / hr	Calc. Inc. H ₂ O/hr kg	Cum. H ₂ O MP	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O MP	BS&W %	P.H.	SAL ppm
02/02/99	06:30	72.00	12.70	1210	600	4	427	23.90	12	38.10	32.74	126.69								
	07:00	72.50		1210	600	4	427	23.90	12	38.10	32.74	127.37	0.04	0.00	0.00	0.04	76.39	100	6	0
	07:30	73.00		1210	600	4	427	23.90	12	38.10	32.74	128.06								
	08:00	73.50		1210	600	3	427	23.90	12	38.10	32.74	128.74	0.00							
	08:30	74.00		1210	600	1	427	23.90	12	38.10	32.74	129.42								
	09:00	74.50		1210	600	2	427	23.90	12	38.10	32.74	130.10	0.00							
	09:30	75.00		1210	600	2	427	23.90	12	38.10	32.74	130.78								
	10:00	75.50		1210	600	2	427	23.90	12	38.10	32.74	131.47	0.00							
HYDRATE IN FLARELINE INCREASE METHANOL INJECTION.																				
	10:30	76.00		1200	600	1	427	23.90	12	38.10	32.74	132.15								
	11:00	76.50		1200	600	2	427	23.90	11	38.10	32.80	132.83	0.07	0.00	0.00	0.07	76.46	100	7	0
	11:30	77.00		1250	600	2	441	24.65	12	38.10	33.70	133.53								
	12:00	77.50		1250	600	2	441	24.65	13	38.10	33.63	134.23	0.06	0.00	0.00	0.06	76.52	100	7	0
	12:30	78.00		1250	600	2	441	24.90	14	38.10	33.74	134.93								
	13:00	78.50		1270	600	2	448	25.15	15	38.10	34.07	135.64	0.08	0.00	0.00	0.06	76.60	100	7	0
	13:30	79.00		1270	600	2	448	25.15	15	38.10	34.07	136.35								
ZERO METER																				
	14:00	79.50		1270	600	2	448	24.90	13	38.10	34.03	137.06	0.06	0.00	0.00	0.06	76.66	100	6	0
GAS SAMPLES TAKEN #18856, #19229																				
	14:30	80.00		1250	600	2	448	25.15	14	38.10	34.13	137.77								
	15:00	80.50		1250	600	2	448	25.15	14	38.10	34.13	138.48	0.06	0.00	0.00	0.06	76.72	100	7	0

ENTEST Corp.

CUSTOMER: PARAMOUNT

1. NAME: No. PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST: ISOCHRONAL EXTENDED RATE

COMPANY REP. AL IRONSIDE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R LUTZ

Date dd-mm-yy	Time hh:mm	Elas. Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ MP/day	Cum. Gas 10 ³ M ³	Fluid Volume M ³ / hr	Calc. Inc. HC/hr MP	Cum. HC M ³	Calc. Inc. H ₂ O/hr M ³	Cum. H ₂ O M ³	BS&W %	P.H.	SAL ppm
15:30	81:00			1280	600	2	455	25.15	13	38.10	34.42	139.20								
16:00	81:50	12.70		1280	600	2	455	25.15	13	38.10	34.42	139.92	0.04	0.00	0.00	0.04	76.76	100	5	0
16:30	82:00			1280	600	2	455	25.15	12	38.10	34.43	140.64								
17:00	82:50			1280	600	2	455	25.15	11	38.10	34.54	141.35	0.06	0.00	0.00	0.06	76.82	100	7	0
17:30	83:00			1280	600	2	455	25.15	12	38.10	34.48	142.07								
18:00	83:50			1280	600	2	455	25.15	12	38.10	34.48	142.79	0.04	0.00	0.00	0.04	76.86	100	5	0
ZERO METER																				
18:30	84:00			1280	550	2	455	25.15	12	38.10	34.48	143.51								
19:00	84:50			1280	550	2	455	25.15	12	38.10	34.46	144.22	0.03	0.00	0.00	0.03	76.89	100	5	0
SHUT WELL IN. WIRE LINE HERE TO CHANGE RECORDERS OUT.																				
CUMM FLUID PROD. SINCE ACID JOB = 76.89 M3.																				
CUMM GAS PROD. SINCE ACID JOB = 144.23 10 3M3.																				
FLUID PRODUCED IN PAST 12 HRS = .54 M3.																				
GAS PRODUCED IN PAST 12 HRS = 18.22 10 3M3.																				

93%

403 266 6032

FEB-03-1999 09:25

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME	PARAMOUNT BERKLEY ARROWHEAD	DATE	99/02/01	REPORT NO	53
LOCATION	N - 65	CONTRACTOR	CENALTA RIG #42		
TD (mKB)	2925.0 (PMTD (mKB)) 2612.5	Csg Size (mm)	139.7	AFC #	2597.0
FORMATION	SLAVL POINT	Perforations	2579.0 - 2581.0 & 2594.0 - 2601.0		
EXPOSED	COMPLETE AS A SLAVL POINT GAS WELL				
WELL HEAD PRESSURES @08:00 hrs	SICP: flow	kPa	SICP:	600 kPa	
CURRENT OPERATIONS @09:00 hrs	FLOW TEST WELL WITH ENTEST CORP				

FROM	TO	PREVIOUS DAYS OPERATIONS
		SICP flow kPa SICP 600 kPa
800	600	FLOW TEST WELL WITH ENTEST CORP (FLOW TEST REPORT ATTACHED) .

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,100.00	TESTERS	\$2,346.00	DAILY COST	\$16,000.00
SUPERVISION	\$745.00	TOOLHANDS(TWO)	\$600.00	PREVIOUS	\$1,281,152.00
RENTALS	\$532.00	FUEL & CARTAGE	\$4,427.00	COST TO DATE	\$1,297,152.00
CAMP	\$2,500.00			AFC AMOUNT	\$1,085,518.00
SAFETY	\$750.00				

RIG HOURS	10	MOBILE	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS.	601	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date:	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 22.3 m ³	Water 2.68 m ³	Water 76.35 m ³	Water 0.0
			(F new fluid) 54.05

ENTEST Corp.

CUSTOMER: PARAMOUNT

NAME: PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST: ISOCHRONAL EXTENDED RATE

COMPANY REF: AL IRONSIDE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

METER SIZE: 154.25 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate m³/dm³/day	Cum Gas m³	Fluid Volume m³/hr	Calc Inc m³/hr	Cum m³	Calc Inc H₂O/hr m³	Cum H₂O m³	BS&V %	P.H.	SAL ppm
01/02/99	08:30	48.00	12.70	1350	600	4	414	31.87	9	38.10	17.34	91.26								
	07:00	48.50		1350	600	2	414	33.86	9	38.10	38.44	92.06	0.03	1.00	0.00	0.03	73.71	100	7	0
	07:30	49.00		1370	650	3	427	33.86	9	38.10	38.95	92.87								
	08:00	49.50		1370	650	3	427	33.86	9	38.10	38.95	93.68	0.00							
	08:30	50.00		1500	700	3	427	33.86	9	38.10	38.95	94.49								
RIG CREW SHUT IN CASING																				
	09:00	50.50		1520	700	2	427	33.37	9	38.10	39.68	95.29	0.08	0.00	0.00	0.08	71.79	100	6	0
	09:30	51.00		1520	700	2	427	32.87	9	38.10	38.40	96.09								
	10:00	51.50		1520	800	2	469	35.86	9	38.10	41.68	96.96	0.13	1.00	0.00	0.13	73.92	100	6	0
	10:30	52.00		1310	900	1	345	27.89	9	38.10	32.47	97.64								
	11:00	52.50		850	1200	3	172	11.95	9	38.10	16.70	97.99	0.12	0.00	0.00	0.12	74.04	100	7	0
WELL LIQUID LOADING. CASING BACK OPEN TO RIG TANK INCREASE																				
	11:30	53.00		2200	1100	9	469	25.40	11	38.10	35.15	98.72								
WELL UNLOADING FLUID																				
	12:00	53.50		2020	1100	9	621	37.35	10	38.10	48.06	99.72	1.09	0.00	0.00	1.09	75.94	100	7	0
	12:30	54.00		1850	1000	8	676	36.35	9	38.10	49.40	100.75								
	13:00	54.50		1700	1000	8	607	33.86	9	38.10	45.45	101.70	0.46	0.00	0.00	0.46	75.50	100	7	0
	13:30	55.00		1570	900	7	565	31.37	9	38.10	42.42	102.58								
	14:00	55.50		1470	800	6	538	29.86	11	38.10	40.39	103.42	0.09	0.00	0.00	0.09	75.59	100	7	0
	14:30	56.00		1430	700	5	517	28.86	11	38.10	39.04	104.23								
	15:00	56.50		1380	600	5	503	27.86	12	38.10	37.86	105.02	0.00							

ENTEST CORP.

CUSTOMER: PARAMOUNT
WELL NAME: PARAMOUNT BEEFLY ARROWHEAD
TYPE TEST: ISOTHERMAL EXTENDED RATE
COMPANY REPRESENTATIVE: AL IRONS DE
FIELD OR AREA: ARROWHEAD
ZONE: SLAVE POINT

METER RUN: 154 05 mm
GAS DENSITY: 0.66 Air = 1
WELL NUMBER: 14
SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Elapsed Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ m ³	Fluid Volume m ³ /hr	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O MP	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O MP	BS&W %	pH	SAL ppm
01/02/99	15:30	57.00	12.70	1350	600	5	483	27.38	12	38.10	36.87	105.79								
	16:00	57.50		1320	600	8	483	26.64	12	38.10	36.38	105.55	0.00							
	16:30	58.00		1285	600	5	469	26.39	12	38.10	35.76	107.30								
	17:00	58.30		1270	600	5	462	25.90	10	38.10	35.33	108.04	0.00							
	17:30	59.00		1250	600	4	455	25.40	9	38.10	34.84	108.77								
	18:00	59.50		1250	600	3	448	25.15	9	38.10	34.44	109.49	0.00							
	18:30	60.00		1230	600	2	441	24.65	8	38.10	33.94	110.20								
	19:00	60.50		1230	600	2	441	24.40	8	38.10	33.78	110.90	0.05	0.00	0.00	0.05	75.64	100	7	0
	19:30	61.00		1230	600	0	427	23.80	8	38.10	32.88	111.59								
	20:00	61.50		1220	600	2	427	23.90	7	38.10	32.05	112.29	0.14	0.00	0.00	0.14	75.78	100	7	0
	20:30	62.00		1220	600	2	427	23.80	7	38.10	32.05	113.02								
	21:00	62.50		1220	600	2	427	23.90	6	38.10	32.11	113.71	0.10	0.00	0.00	0.10	75.68	100	7	0
	21:30	63.00		1220	600	2	427	23.90	7	38.10	32.05	114.40								
	22:00	63.50		1200	600	2	427	23.90	8	38.10	32.98	115.09	0.07	0.00	0.00	0.07	75.35	100	6	0
	22:30	64.00		1200	600	3	427	23.90	8	38.10	32.98	115.78								
	23:00	64.50		1200	600	3	427	23.90	8	38.10	32.98	116.46	0.05	0.00	0.00	0.06	76.31	100	7	0
	23:30	65.00		1200	600	3	427	23.90	8	38.10	32.98	117.15								
02/02/99	00:00	65.50		1200	600	3	427	23.90	9	38.10	32.92	117.84	0.00			0.00	76.31			
	00:30	67.00		1200	600	3	427	23.90	9	38.10	32.92	118.53								
	01:00	67.50		1200	600	3	427	23.90	11	38.10	32.80	119.21	0.03	0.00	0.00	0.03	76.34	100	6	0
	01:30	68.00		1200	600	3	427	23.90	12	38.10	32.74	119.89								

ENTEST CORP.

ED TIMES: PARAMOUNT

UNAME IN: PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST: ISOCHRONAL EXTENDED RATE

COMPANY REP: AL IRONS DE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

METER RUN: 54.05 mm.

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 14

SUPERVISOR: LUTZ

Date dd/mm/yy	Time HH:MM	Eps Flow Time Decimal	Choke size mm	Tubing Press kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ MPa/day	Cum Gas 10 ³ M ³	Fluid Volume 10 ³ L	Calc Inc HC/hr MP	Cum HC MP	Calc Inc H ₂ O/hr 10 ³ L	Cum H ₂ O 10 ³ L	SS&W %	P.H.	SAL ppm
02/02/99	02:00	68.50	12.70	1200	600	3	427	23.90	11	38.10	32.80	120.57	0.00			0.00	76.04			
	02:30	69.00		1200	600	3	427	23.90	11	38.10	32.80	121.25								
	03:00	69.50		1210	600	2	427	23.90	11	38.10	32.80	121.93	0.12	0.00	0.00	0.12	76.16	100	7	0
	03:30	70.00		1210	600	4	427	23.90	12	38.10	32.74	122.61								
	04:00	70.50		1210	600	4	427	23.90	12	38.10	32.74	123.29	0.09	0.00	0.00	0.09	76.24	100	7	0
	04:30	71.00		1210	600	4	427	23.90	12	38.10	32.74	123.97								
	05:00	71.50		1210	600	4	427	23.90	12	38.10	32.74	124.65	0.09	0.00	0.00	0.09	76.33	100	6	0
	05:30	72.00		1210	600	4	427	23.90	12	38.10	32.74	125.33								
	06:00	72.50		1210	600	4	427	23.90	12	38.10	32.74	126.01	0.02	0.00	0.00	0.02	76.35	100	6	0

CUMM FLUID PROD. SINCE ACID JOB = 76.36 M3.

CUMM GAS PROD. SINCE ACID JOB = 126.01 10 3M3.

FLUID PRODUCED IN PAST 24 HRS = 2.67 M3.

GAS PRODUCED IN PAST 24 HRS = 35.53 10 3M3.

H2S = 22000

ENTEST CORP.

COMPANY: PARAMOUNT

WELL NAME: NO. PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST: ISOCHRONAL EXTENDED RATE

COMPANY REF: AL WINSIDE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

✓ IRR RUN: 154.05 min.

GAS DENSITY: 0.66 Air = 1

UNIT NUMBER: 14

SUPERVISOR: RUTZ

Date dd/mm/yy	Time hh:mm	Elps. Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ m ³	Fluid Volume m ³	Calc Inc HG/hr MP	Cum. HG MP	Calc Inc H ₂ O/hr m ³	Cum. H ₂ O m ³	BS&V %	P.H.	SAL ppm
30/01/99	21:00		12.70	6700	7400															
OPEN WELL ON 3264 OR 12.70 MM CHOKER. START TO BLEED OFF CASING.																				
	21:05		12.70	5000	5000															
	21:10			4700	5000															
	21:15			4720	4600															
METER IN SERVICE WITH A 2" OR 50.8 MM PLATE.																				
	21:30	15.00																		
	21:45			3850	3700															
	22:00	15.50		3600	3000	8	283	47.31	8	50.80	69.11	41.82	0.71	0.00	0.00	0.71	70.71	100	7	0
	22:30	16.00		2000	2000	8	241	39.84	5	50.80	60.07	43.07								
	23:00	16.50		1900	1400	9	172	29.88	6	50.80	46.45	44.04	0.43	0.00	0.00	0.43	71.14	100	7	0
	23:30	17.00		2700	800	9	200	32.87	6	50.80	51.01	45.10								
	00:00	17.50		2200	500	10	186	37.35	7	50.80	52.81	46.20	0.50	0.00	0.00	0.50	71.64	100	7	0
	00:30	18.00		1900	600	9	138	25.90	6	50.80	40.48	47.04								
	01:00	18.50		1720	600	8	138	23.90	5	50.80	39.05	47.85	0.17	0.00	0.00	0.17	71.81	100	7	0
	01:30	19.00		1600	600	8	138	21.91	6	50.80	37.44	48.63								
	02:00	19.50		1520	400	6	131	20.92	6	50.80	36.05	49.38	0.00	0.00	0.00	0.00	71.81			
	02:30	20.00		1430	400	6	103	19.92	8	50.80	32.79	50.07								
	03:00	20.50		1400	400	5	103	18.92	8	50.80	32.01	50.74	0.00	0.00	0.00	0.00	71.81			
	03:30	21.00		1370	400	5	103	17.93	7	50.80	31.25	51.39								
	04:00	21.50		1350	400	5	103	17.93	10	50.80	31.10	52.04	0.00	0.00	0.00	0.00	71.81			

ENTEST Corp.		CUSTOMER: PARAMOUNT																		METER RUN: 154.05 mm	
		I NAME/No. PARAMOUNT BERTLEY ARROWHEAD																		GAS DENSITY: 0.85 Air = 1	
		TYPE TEST: ISOCHRONAL EXTENDED RATE																		UNIT NUMBER: 74	
		COMPANY REP: AL MONSIE																		SUPERVISOR: R.UTZ	
		FIELD OR AREA: ARROWHEAD																			
ZONE: SLAVE POINT																					
Date delivery	Time hh:mm	Elbow Flow Time Decimal	Choke size mm	Tubing Press kPa	Casing Press cPa	Flow Temp °C	Static Press. kPa	Diff. Press kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ L/day	Cum Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc Inc. HC/hr MP	Cum HC MP	Calc Inc H ₂ O/hr MP	Cum H ₂ O MP	BS&W %	P.H.	SAL ppm	
30/01/99	17:45			4150	1200																
	18:00			4370	1800																
		CUMM. FLUID PROD. SINCE ACID JOB= 70.00 M3																			
		CUMM. GAS SINCE ACID JOB= 40.38 10 ³ M ³																			
		TTL. FLUID PROD. ON 3RD RATE= 5.80 M3																			
		TTL. GAS PROD. ON 3RD RATE= 9.67 10 ³ M ³																			

ENTEST Corp.

CUSTOMER: PARAMOUNT

WELL No. PARAMOUNT BERLEY ARROWHEAD

TEST TYPE: ISOCHRONAL EXTENDED RATE

COMPANY REF: AL IRONSIDE

FIELD OR AREA: ARROWHEAD

WELL: SLAVE POINT

METER RUN: 15406 mtr

GASO JSTY: 0.95 Air

TEST NUMBER: 14

SUPERVISOR: R. L. FZ

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meas. Temp °C	Orifice Size mm	Gas Rate 10 ³ MPa/d	Cum. Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O MP	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O M ³	SS&W %	P.H.	SAL PLT
30/01/99	13:00	10.50	15.88	7455	3000															
			OPEN TO FLOW ON A 40.64" (15.88mm) CHOKE.																	
	13:05			4050	3000															
	13:10			4205	3000															
	13:15			3910	3000															
	13:30	11.00		3520	3000	10	448	65.74	11	50.80	96.49	32.72								
			METER IN SERVICE WITH 2" (50.80mm) ORIFICE PLATE.																	
	13:45	11.25		2770	2400	10														
			CASING OPEN TO RIG TANK SINCE 07:30.																	
	14:00	11.50		2620	2100	11	290	44.82	15	50.80	66.98	34.12	1.11	0.00	0.00	1.11	65.31	100	7	0
	14:30	12.00		2370	1600	13	241	37.85	16	50.80	57.51	35.32								
	15:00	12.50		2240	1200	14	211	37.85	18	50.80	57.31	36.51	1.51	0.00	0.00	1.51	66.82	100	7	0
	15:30	13.00		2070	1000	18	221	35.36	19	50.80	53.66	37.63								
	16:00	13.50		1850	1000	19	193	23.88	19	50.80	47.25	38.61	1.59	0.00	0.00	1.59	68.41	100	7	0
	16:30	14.00		1720	700	19	102	19.92	24	50.80	31.89	39.27								
	17:00	14.50		1680	450	20	221	35.61	23	50.80	53.47	40.38	1.59	0.00	0.00	1.59	70.00	100	7	0
			SHUT IN RECORD BUILD-UPS. SHUT IN CASING.																	
	17:05			3720																
	17:10			3850																
	17:15			3920	400															
	17:30			4000	800															

ENTEST CORP.

CUSTOMER: PARAMOUNT

WELL NAME: PARAMOUNT ET AL ARROWHEAD

EXPERIMENT:

COMPANY PER: ALIRONSIDE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

METER RUN: 154 Lb/mm

GAS DENSITY: 0.65 Air = 1

WELL NUMBER: 14

METER RUN: 9 LUT

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp. °C	Orifice Size mm	Gas Rate D/M/Day	Cum. Gas 10PM ³	Fluid Volume MP l/hr	Calc. Inc. KCal/hr MP	Cum. HC MP	H ₂ O 10VMR	Cum. H ₂ O M ³	BSAW %	P.H.	SAL ppm
30/01/99	05:00	6.50	12.70	6000	7400															
			OPEN TO FLOW ON 2ND POINT. 32/64" (12.70mm) CHOKE.																	
	05:05	6.58		7500	7400															
	05:10	6.16		6810	7400															
			FLUID TO SURFACE																	
	05:15	6.75		9700	7100															
	05:30	7.00		7600	7400															
	05:35	7.06	METER IN SERVICE.																	
	05:45	7.25		6500	7400	12	379	59.76	10	50.80	66.28	21.65								
	06:00	7.50		5850	7400	12	280	53.78	11	50.80	72.30	22.40	4.51	0.00	0.00	4.51	52.71	100	7	0
	06:30	8.00		5550	7400	14	345	63.74	11	50.80	85.17	24.17								
	07:00	8.50		4200	6900	16	207	40.34	12	50.80	56.34	25.34	4.21	0.00	0.00	4.21	56.92	100	7	0
	07:30	9.00		3900	5100	18	124	28.66	14	50.80	40.61	26.19								
			BLEEDING CASING TO RIG TANK.																	
	08:00	9.50		5150	3400	21	207	50.80	19	50.80	61.75	27.48	4.41	0.00	0.00	4.41	51.33	100	7	1925
	08:30	10.00		5500	2600	22	310	59.76	19	50.80	77.95	29.10								
	09:00	10.50		4000	1100	22	301	54.53	15	50.80	77.40	30.71	2.87	0.00	0.00	2.87	54.20	100	7	1925
			SHUT IN WELL. RECORD BUILD-UPS.																	
			CUMM. GAS SINCE ACID JOB= 30.71 10 ³ M ³																	
			CUMM. FLUID PROD. SINCE ACID JOB= 64.20 M3																	
			FLUID PROD. ON 2ND RATE= 16.00 M3 GAS PROD.= 11.76 10 ³ M ³																	

PH3 41

PHJ 41

PHJ 41

PHJ 41

PHJ 41

PHJ 41PHJ 41

PHJ 41

PHJ 41

ENTEST CORP.

CUSTOMER: PARAMOUNT

WELL NAME: PARAMOUNT BERKELEY ARROWHEAD

TYPE TEST: ISOCHRONAL EXTENDED RATE

COMPANY WELL: AL IRONS DE

FIELD OR AREA: ARROWHEAD

ZONE: SLAVE POINT

METER RUN: 154 00 mm

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

Date (dd/mm/yy)	Time hh:mm	Eps flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 1075/Day	Cum. Gas 1075P	Fluid Volume MP /hr	Calc. Inc. HC/hr MP	Cum. HC MP	Calc. Inc. H ₂ O/hr MP	Cum. H ₂ O MP	BS&W %	P.H.	SAL ppm
02/01/99	01:00	42.50	12.70	1250	500	2	379	29.88	7	38.10	35.01	82.93	0.09	0.00	0.00	0.09	73.28	100	6	0
	01:30	43.00		1230	500	2	379	29.88	6	38.10	35.08	83.66								
	02:00	43.50		1230	500	2	379	29.88	6	38.10	35.08	84.39	0.06	0.00	0.00	0.06	73.34	100	6	0
	02:30	44.00		1230	500	2	379	29.88	4	38.10	35.21	85.12								
	03:00	44.50		1230	500	2	379	29.88	4	38.10	35.21	85.85	0.06	0.00	0.00	0.06	73.40	100	7	0
	03:30	45.00		1200	500	2	379	29.88	4	38.10	35.21	86.58								
	04:00	45.50		1220	500	4	407	31.87	5	38.10	37.34	87.36	0.18	0.00	0.00	0.18	73.58	100	7	0
	04:30	46.00		1200	500	4	407	31.87	7	38.10	37.21	88.14								
	05:00	46.50		1200	600	4	414	31.87	8	38.10	37.41	88.92	0.07	0.00	0.00	0.07	73.65	100	6	0
	05:30	47.00		1260	500	4	414	31.87	9	38.10	37.34	89.70								
	06:00	47.50		1300	500	4	414	31.87	9	38.10	37.34	90.48	0.03	0.00	0.00	0.03	73.68	100	7	0

CUMM FLUID PRODUCED SINCE ACID JOB = 73.68 M3.

CUMM GAS PRODUCED SINCE ACID JOB = 90.48 10 3M3.

FLUID PRODUCED IN PAST 24 HRS = 1.77 M3.

GAS PRODUCED IN PAST 24 HRS = 34.61 10 3M3.

H₂S = 2200 PPM

ENTEST corp.															CUSTOMER: PARAMOUNT										METER NO. 154.05				
															WELL NAME: PARAMOUNT BECKLE / ARROWHEAD										CONDENSATE: 0.65 $\rho_g = 1$				
															WELL TEST: ISOCHRONAL EXTENDED RATE										WELL NUMBER: 14				
															COMPANY REF: AL IRONSIDE										SUPERVISOR: R LUTZ				
															FIELD OR AREA: ARROWHEAD														
															ZONE: SLAVE POINT														
Date dd/mm/yy	Time hh:mm	Elapsed Time Decimal	Choke size mm	Tubing Press kPa	Casing Press kPa	Flow Temp °C	Static Press. kPa	Cyl. Press. kPa	Meter Temp °C	Inflow Size mm	Gas Rate 10 ³ m ³ /day	Cum Gas 10 ³ m ³	Flow Volume m ³ /hr	Calc. Inc. H ₂ O m ³	Cum. H ₂ O m ³	Calc. Inc. H ₂ O m ³	Cum. H ₂ O m ³	BS&V/ %	P.H.	SAL ppm									
31/01/99	16:00	33.50	12.70	1320	650	3	234	44.07	10	38.10	34.47	69.96	0.04	0.00	0.00	0.04	72.56	100	6	0									
	16:30	34.00		1320	600	3	221	44.32	10	38.10	33.82	70.56																	
	17:00	34.50		1320	600	3	221	44.07	10	38.10	33.73	71.26	0.08	0.00	0.00	0.08	72.64	100	6	0									
	17:30	35.00		1320	600	2	226	43.82	10	38.10	34.04	71.95																	
	18:00	35.50		1320	600	2	226	44.32	10	38.10	34.22	72.67	0.00	0.00	0.00	0.00	72.64												
BLOW DOWN AND ZERO METER.																													
	18:30	36.00		1320	600	2	229	35.86	10	38.10	31.04	73.32																	
	19:00	36.50	INCREASE BACK PRESSURE, FREEZING IN FLARE LINE.																										
				1370	600	2	345	51.79	10	38.10	43.39	74.22	0.09	0.00	0.00	0.09	72.73	100	7	0									
	19:30	37.00		1350	600	3	310	25.90	10	38.10	29.96	74.84																	
	20:00	37.50		1320	600	0	393	29.88	10	38.10	35.35	75.58	0.21	0.00	0.00	0.21	72.94	100	7	0									
	20:30	38.00		1260	600	0	379	29.88	10	38.10	34.82	75.31																	
	21:00	38.50		1280	600	0	379	29.88	10	38.10	34.62	75.04	0.04	0.00	0.00	0.04	72.88	100	6	0									
	21:30	39.00		1280	600	0	379	29.88	10	38.10	34.82	75.77																	
	22:00	39.50		1280	600	0	379	29.88	9	38.10	34.98	76.50	0.10	0.00	0.00	0.10	73.08	100	7	0									
	22:30	40.00		1280	600	0	379	29.88	9	38.10	34.98	75.23																	
	23:00	40.50		1250	600	2	379	29.88	10	38.10	34.82	79.96	0.05	0.00		0.05	73.13	100	7	0									
	23:30	41.00		1250	600	4	379	29.88	10	38.10	34.82	80.69																	
	23:50		FREEZING IN FLARE LINE, PUMP METHANOL DOWN FLARE LINE.																										
	00:00	41.50		1250	600	4	414	31.87	10	38.10	37.27	81.47	0.05	0.00	0.00	0.05	73.19	100	7	0									
	01:30	42.00		1250	600	4	379	29.88	10	38.10	34.32	81.20																	

02/01/99 MON 10:40 FAX 403 266 6032

ENTEST CORP.

CUSTOMER: PARAMOUNT
 L NAME: No. PARAMOUNT BERKLEY ARROWHEAD
 TYPE TEST: ISOTHERMAL EXTENDED RATE
 COMPANY PER: ALI INNSIDE
 FIELD OR AREA: ARROWHEAD
 NAME: SLAVE POINT

METER RUN: 154.05 mm
 GAS DENSITY: 0.66 Ar = 1
 CONTAINER: 14
 SUPERVISOR: H. LUTZ

Date dd/mm/yy	Time hh:mm	Elev. Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	INP. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10MPa/day	Cum Gas 10MP	Fluid Volume M ³ / hr	Calc. Inr HC/hr MP	Cum HC MP	Calc. Inr H ₂ O/hr M ³	Cum H ₂ O M ³	SS&W %	P.H.	SAL ppm
01/31/99	06:30	24.00	12.70	1300	400	4	117	74.70	10	38.10	33.64	56.57								
	07:00	24.50		1300	400	5	117	74.70	10	38.10	33.64	57.27	0.00							
	07:30	25.00		1300	350	4	117	75.20	11	38.10	33.65	57.97								
	08:00	25.50		1300	350	4	117	75.70	11	38.10	33.75	58.67	0.00							
	08:30	26.00		1330	350	4	117	76.19	12	38.10	33.77	59.37								
	09:00	26.50		1330	350	4	117	76.69	12	38.10	33.85	60.08	0.00							
	09:30	27.00		1330	450	3	117	76.19	12	38.10	33.77	60.78								
	10:00	27.50		1330	500	3	117	76.19	12	38.10	33.77	61.48	0.08	0.00	0.00	0.08	71.99	100	7	0
	10:30	28.00		1330	600	2	117	76.19	11	38.10	33.83	62.18								
CASING IS CONTINUOUSLY VENTING TO RIG TANK.																				
	11:00	28.50		1330	600	2	117	76.19	11	38.10	33.83	62.88	0.07	0.00	0.00	0.07	72.06	100	6	0
	11:30	29.00		1330	600	3	117	75.70	11	38.10	33.75	63.58								
	12:00	29.50		1310	600	3	117	75.70	10	38.10	33.81	64.28	0.05	0.00	0.00	0.05	72.11	100	7	0
	12:30	30.00		1310	700	3	103	75.70	10	38.10	32.42	64.96								
	13:00	30.50		1310	700	4	103	75.70	10	38.10	32.42	65.64	0.13	0.00	0.00	0.13	72.24	100	7	0
	13:30	31.00		1310	700	4	103	75.70	10	38.10	32.42	66.32								
	14:00	31.50		1310	800	5	103	76.19	12	38.10	32.39	66.99	0.13	0.00	0.00	0.13	72.37	100	6	0
INCREASE BACKPRESSURE.																				
	14:30	32.00		1320	600	5	234	41.82	12	38.10	34.26	67.70								
	15:00	32.50		1320	600	5	234	41.82	11	38.10	34.32	68.42	0.15	0.00	0.00	0.15	72.52	100	7	0
	15:30	33.00		1320	600	4	234	41.82	11	38.10	34.32	69.11								

ENTEST CORP.										CUSTOMER: PARAMOUNT										METER RUN: 154.05 mm			
										LINE NAME: No. PARAMOUNT BEXLEY ARROWHEAD										GAS DENSITY: 0.05 Air = 1			
										TYPE TEST: ISOCRONAL EXTENDED RATE										CUT NUMBER: 14			
										COMPANY REP: AL IRONSIDE										SUPERVISOR: R. LUTZ			
										FIELD OR AREA: ARROWHEAD													
										ZONE: SLAVE POINT													

Date dd/mm/yy	Time hh:mm	Elps Row Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	OP. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ MP/day	Cum. Gas 10 ³ MP	Fluid Volume MP /hr	Calc. No. HC/hr MP	Cum. HC MP	Calc. No. H ₂ O/hr MP	Cum. H ₂ O M ³	BS&W %	P.H.	* Salt ppm
31/01/99	04:30	22.00	12.70	1300	400	4	103	17.93	11	50.80	31.04	52.69								
	05:00	22.50		1300	400	4	103	17.43	11	50.80	30.63	53.33	0.10	0.00	0.00	0.10	71.91		7	0
CHANGE PLATE TO 1.50 OR 38.1 mm, INCREASE BACK PRESSURE.																				
	05:30	23.00		1300	400	4	117	78.44	11	38.10	34.20	54.60								
	06:00	23.50		1300	400	4	117	77.69	10	38.10	34.14	55.87	0.00	0.00	0.00	0.00	71.91			
CUMM. FLUID PROD. SINCE ACID JOB = 71.91 M3																				
CUMM. GAS PROD. SINCE ACID JOB = 55.87 10 3M3.																				
FLUID PRODUCED IN PAST 9 HRS = 1.91 M3.																				
GAS PRODUCED IN PAST 9 HRS = 15.49 10 3M3.																				
H2S= 2200 PPIM																				

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME PARAMOUNT BERKLEY ARROWHEAD DATE 02/01/99 REPORT NO. 0012
LOCATION N 65 CONTRACTOR GENALTA RIG # 42
TD (mKB) 2925.0 PBTD (mKB) 2612.5 Csg Size (mm) 139.7 API # 5
FORMATION SLAVE POINT Perforations 2579.0 2581.0 & 2584.0 2601.0
PURPOSE COMPLETE AS A SLAVE POINT GAS WELL
WELL HEAD PRESSURES @08:00 hrs SITP Flow kPa SICP 5500 kPa
CURRENT OPERATIONS @08:00 hrs CONDUCT A 4 POINT MODIFIED ISOCHRONAL FLOW TEST

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: 9400 kPa SICP: 5500 kPa
800	815	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS & HOLD SAFETY MEETING
815	1130	WAIT ON TRI-ALTA BEWES SLICKLINE TRUCK, RIG IN SLICKLINE TRUCK
1130		RUN # 1 - RAN A GAUGE RING DOWN TO 2555m. C.F.
		RUN # 2 - RAN A STATIC GRADIENT WITH 3 MIN. STOPS @ SURF. - 500m - 1000m - 1500m - 2000m - 2495m. - 2525m. & 6 MINS. @ 2555m.
		RUN # 3 - RAN A 2.34 INCH FINNED NO-GO & SET @ 2555m. C.F.
		RUN # 4 - RAN & HUNG TANDEM AMERADA MECHANICAL HIGH TEMPERATURE HIGH PRESS 180 HOUR PRESSURE RECORDERS @ 2555m. C.F. - CLOCKS ON BOTTOM @ 1622 HRS.
1700		RIG OUT SLICKLINE TRUCK & TURN WELL OVER TO TESTERS. RELEASE RIG CREW.
1700		CONDUCT A MODIFIED FOUR POINT ISOCHRONAL FLOW TEST WITH ENTEST.
	800	TEST REPORT ATTACHED, WITH FLUID RECOVERIES.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$3,783.00	TESTERS	\$2,351.00	DAILY COST	\$15,015.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00	PREVIOUS	\$1,227,971.00
RENTALS	\$532.00	SLICKLINE TRUCK	\$3,785.00	COST TO DATE	\$1,243,017.00
CAMP	\$2,500.00			WELL AMOUNT	\$1,085,545.00
SAFETY	\$750.00				

RIG HOURS 571 MOBILE 1-600-700-5162 PREPARED BY AL IRONSIDE
CUM RIG HRS. 571 AREA FT. LIARD, N.W.T. RECEIVED BY WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Record:
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 22.3 m ³	Water: 24.19 m ³	Water: 52.49 m ³	Water: 0.0

(Flow new 1-1-97) 30.15

FEB-01-1999 10:51

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93%

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Date		Time	Elps flow	Choke	Tubing	Casing	Flow	Static	Diff.	Meter	Orifice	Gas	Cum.	Fluid	Calc Inc.	Cum	H2O	Cum	BS&W	Oil	SAL
dd/mm/yy	h:mm	Time	mm	mm	Press.	Press.	Temp	Press.	Press.	Temp	Size	Rate	Gas	Volume	HC/hr	MC	MC	MC	%	API	api
30/01/99	05:00	6.50	12.70	8000	7400																
OPEN TO FLOW ON 2ND POINT. 32/64" (12.70mm) CHOKE.																					
	05:05				7500	7400															
	05:10				6810	7400															
FLUID TO SURFACE																					
	05:15				9700	7400															
	05:30				7600	7400															
	05:35																				
METER IN SERVICE																					
	05:45				6500	7400	12	379	59.76	10	50.80	16.28	1.79								
	06:00				5650	7400	12	280	53.78	11	50.80			4.29	0.00	0.00	4.70	52.49	100	7	0

ENTEST Corp.

CUSTOMER: PARAMOUNT

NAME: PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REF: AL IRONSTONE

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

ENTEST CORP. CUSTOMER: PARAMOUNT L NAME: No. PARAMOUNT ET AL ARROWHEAD TYPE TEST: COMPANY REP: AL IRONSIDE FIELD OR AREA: ARROWHEAD ZONE: SULFUR POINT														METER RUN: 114.05 mm GAS DENSITY: 1.65 kg/m^3 UNIT NUMBER: 14 SUPERVISOR: R. J. TZ						
Date dd/mm/yy	Time hh:mm	Flow Time Clocks	Choke size mm	Rubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	D.P. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ m ³	Fluid Volume M ³ /hr	Calc. Inc. HC/hr MP	Cum HC MP	H ₂ O H ₂ O-R.	Cum H ₂ O MP	BS&W %	F.H.	SA perm
	23:00	4.50		9050		15	345	79.68			53.70	13.75	8.40	0.00	0.00	6.40	42.24	100	7	0
	23:00	INCREASE BACK PRESSURE.																		
	23:30	5.00	9.53	9250	3800	18	676	99.60	10	38.10	79.47	15.41								
30/01/99	00:00	5.50		8010	3800	16	758	59.76	8	38.10	66.31	16.79	3.00	0.00	0.00	3.00	45.24	100	7	0
	00:30	6.00		7200	3500	18	621	49.55	10	38.10	55.06	17.94								
	01:00	6.50		7000	3600	18	552	42.83	13	38.10	48.41	18.95	2.98	0.00	0.00	2.98	48.20	100	7	0
	H ₂ S= 1650 PPM. SHUT IN RECORD BUILD-UPS.																			
	01:05			7710	3600															
	01:10			7800	3600															
	01:15			7910	3600															
	01:30			8210	3600															
	01:45			8510	3600															
	02:00			8700	3600															
	TTL FLUID PROD ON FIRST POINT= 19.90 M ³																			
	TTL GAS FLARED ON FIRST POINT= 9.34 10 ³ M ³																			
	CUMM. FLUID SINCE ACID JOB= 48.20 M ³																			
	CUMM. GAS SINCE ACID JOB= 18.95 10 ³ M ³																			

ENTEST Corp.

CUSTOMER: PARAMOUNT

WELL NAME: No. PARAMOUNT ET AL ARROWHEAD

TYP. TEST:

COMPANY REP: AL IRONS/DE

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 15405 mm

GAS DENSITY: 0.95 Air

UNIT NUMBER: 74

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Egs Flow Time Decimals	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ M ³ /day	Cum Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc. Inc. HC/hr M ³	Cum HC M ³	H ₂ O M ³ /hr	Cum H ₂ O M ³	BS&W %	P.H.	SAL ppm
28/01/99	07:00			5400	5800															
				BLEED OFF CASING TO RIG TANK.																
	12:00			WIRELINE ON LOCATION TO RUN GRADIENT AND RECORDERS																
	14:30				7000															
				BLEED DOWN CASING.																
	16:30			WIRELINE OUT OF HOLE. RECORDERS SET.																
	21:00	2.50	9.53	10380	8000							9.61					28.30			
	21:00			OPEN WELL ON 74/84 OR 9.53 MM CHOKE.																
	21:05			7870	8000															
	21:10			5850	8000															
	21:15			3700	8000															
	21:20			FLUID TO SURFACE.																
	21:25			FLARE WENT OUT GAS HEAD GONE, START DISPLACING TUBING																
	21:30	3.00		6500	8200															
	21:30			START SHIPPING TO 400 BBL.																
	21:41			STOP SHIPPING																
	21:45			8300	8200	10														
	21:50			BURNABLE GAS TO SURFACE, LIGHT FLARE.																
	22:00	3.50		9150	7900	7	345	63.74	6	38.00	47.07	11.60	7.54	0.00	0.00	7.54	35.84	100	7	0
				METER IN SERVICE WITH 1.50" (38.1 mm) ORIFICE PLUG. BLEEDING DOWN CASING.																
	22:00	4.00		8350		7	345	47.73	7	38.00	49.17	12.63								

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02/01/99 MON 10:43 FAX 403 266 6032

013

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT DORKEY ARROWHEAD DATE: 99/01/28 REPORT NO: 49
 LOCATION: N-65 CONTRACTOR: CENALTA RIG # 42
 TO WORK: 2050 PRIED (KRB) 26125 Casing Size (mm): 139.7 AFE #: 25940
 FORMATION: SLAVE POINT Perforations: 25940-26010 & 25990-25910
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL

WELLHEAD PRESSURES @0000 hrs: SIIP: kPa SICP: kPa

CURRENT OPERATIONS @0000 hrs: WELL SHUT IN WAITING ON PRESSURE RECORDERS

FROM	TO	PREVIOUS DAYS OPERATIONS
		SIIP: 7000 kPa SICP: 0 kPa
7:00	7:15	START & SERVICE RIG & EQUIPMENT. TAKE PRESSURE READINGS, & HOLD SAFETY MEETING
7:15	8:30	THAW OUT LUBRICATOR & ORBIT VALVE. BLEED OFF GAS HEAD TO RIG TANK (NO H2S)
8:30		SWAB TEST WELL PRIOR TO ACIDIZING, NO FLUID LEVEL DETECTED ON FIRST SWAB,
	13:00	PULLED 4 SWABS FROM P.S.N. NO FLUID RECOVERED, RIG OUT SWAB EQUIPMENT.
13:00	15:00	THAW OUT NOWSCO PUMPER & WARM UP TO DO NITROFIED ACID SQUEEZE.
15:00		PRESSURE TEST LINES TO 48 MPa. & HOLD A SAFETY MEETING.
		CONDUCT A 9.70m ³ , 15 % HCL NITROFIED PARACLEAN ACID SQUEEZE (REPORT ATTACHED)
		DISPLACED WITH 12.0m ³ OF NITROFIED FRESH WATER @ 100L/MIN.
	17:45	RIG OUT NOWSCO & RIG IN ENTST TESTERS TO FLOW WELL BACK TO CLEAN UP.
17:45		FLOW TEST WELL TO CLEAN UP AFTER ACID SQUEEZE WITH ENTST TESTERS, TEST
		REPORT ATTACHED.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,219.00	TOOLHAND	\$600.00	DAILY COST	\$60,737.00
SUPERVISION	\$745.00	ACID CARTAGE	\$2,993.00	PREVIOUS	\$1,167,234.00
RENTALS	\$532.00	TANK TRUCK	\$638.00	COST TO DATE	\$1,227,971.00
CAMP & SAFETY	\$3,250.00	SHOWER TRUCK	\$2,552.00	AFE AMOUNT	\$1,085,548.00
TESTERS	\$3,631.00	ACID STIMULATION	\$40,577.00		

NO. OF DAYS: 15 MOBILE: 15.00-770.511 PREPARED BY: AL. JONSON
 CUM RIG HRS: 562 AREA: FT. LIARD, N.W.T. RECEIVED BY: WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovery to Date:	Load to Recover:
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 28.3 m ³	Water: 26.3 m ³	Water: 28.3 m ³	Water: 0.0
			(+ new fluid) 6

JAN-29-1999 09:40

403 266 6032

92%

P.19

70 2714

55.67/11/10:10

Page 8

ENTEST CORP.

CUSTOMER: PARAMOUNT

LNAME: No PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: AL IRONSCE

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154 05 mm

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Elaps. Time Decimal	Choke Size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10PSI/day	Cum. Gas 10PSI	Fluid Volume m³/hr	Calc. Inc. HCAW MP	Cum. HC MP	H2O M3/HR	Cum. H2O MP	GS&W %	P.H.	GAL /hr
28/01/99	18:00	0.00	FINISHED ACID JOB. 22.30 M3 TO RECOVER.										0.00		0.00		0.00			
	18:30	0.00	19.05	13350	3500															
			OPEN TO FLOW ON 46/64" (19.05mm) CHOKER.																	
	18:35	0.08		7600																
	18:40	0.16		5500																
	18:45	0.25		7500																
	19:00	0.50		4000	VAC								11.09				11.09	100		
	19:15	0.75		3650	VAC															
	19:30	1.00		4000	VAC															
	20:00	1.50		4200	VAC	4	414	29.86	3	63.50	103.48	6.47	10.22	0.00	0.00	10.22	21.31	100	5	0
			METER IN SERVICE WITH 2.50" (63.50mm) ORIFICE PLATE.																	
	20:30	2.00		3800	VAC	4	345	23.90	4	63.50	86.01	9.26								
	21:00	2.50		3150	VAC	4	241	17.93	6	63.50	64.94	9.51	6.99	0.00	0.00	6.99	28.30	100	5	0
			SHUT IN. RUN RECORDERS IN MORNING.																	
	21:05			3450	VAC															
	21:10			3900	TSTM															
	21:15			4700	480															
	21:30			5200	500															
	22:00			5600	500															

01/28/99 FRI 08:33 FAX 403 266 6032

018

PARAMOUNT RESOURCES LTD.

ACID WASH AND SQUEEZE

WELL NAME:	PARAMOUNT BERKLEY ARROWHEAD N - 65		DATE:	99/01/23	
LOCATION:	N - 65				
COMPANY:	NOWSCO WELL SERVICE LTD.				
Type and Size of Treatment:	9.70m ³ OF 15 % HCL PARACETAN NITROFIED ACID				
Completion Intervals:	2594.0 - 2601.0 & 2599.0 - 2610.0				
Subsurface Equipment:	139.7 mm CARDIUM DOUBLE GRIP PACKER				
Treatment Started at:	1455 99/01/23				
Number of Stages and Volume/Stage:	9.7m ³ ACID WITH 100m ³ /m ³ NITROGLN.				
Initial Backpressure and Final Backpressure:	12,000 THROUGHOUT				
Breakdown Pressure:	21,000 KPA				
Average Feed Rate and Pressure:	100 L/MINUTE AT 12,000 KPA				
Type and Amount of Flush (overlander):	12.0 m ³ OF FRESH WATER				
Treatment Completed at:	1725 HRS. 99-01-23				
IS L.P.:	14,000 kPa	IS L.P.:	14,000 kPa		
Circulating Fluid Used:	WELL WAS DRY PRIOR TO STIMULATION.				
Fluid Lost to Formation:	9.7 m ³	Fluid Recovered:	0.0 m ³		
Fluid Left to Recover:	21.7 m ³	New Production:	0.0 m		
Flow Back Rate:		Pressure:	kPa		
Additives:	Al - 275 @ 25L/m ³	P-1500	@ 10L/m ³		
	IS - 500 @ 10 Kg /m ³				
	IF - 350 @ 30L/m ³				
	NE - 5 @ 20.0L /m ³				
Remarks:	FLOW BACK RATES WILL FOLLOW				

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 9-01-97 REPORT NO: 48
 LOCATION: N-65 CONTRACTOR: CENALTA RIG # 42
 TD (mKB): 2925.0 PBTD (mKB): 2612.5 Csg Size (mm): 139.7 AFE #: 27678
 FORMATION: SLAVE POINT Perforations: 2594.0-2601.0 + 2579.0-2581.0
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ kPa SICP: _____ kPa
 CURRENT OPERATIONS @08:00 hrs: TAG FLUID + PREPARE TO ACCEPT

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: <u>1500</u> kPa SICP: <u>VAC.</u> kPa
0700	0715	START + STARTING RIG + EPT - TAG PRESS. READINGS + HOLD SAFETY MEETING.
0715	0830	THROW OUT WELL HEAD + OARST VALVE - NEW S.I.T.P. = 1500 KPA.
0830		RIG UP TO SWAB + SWAB TEST WELL - PULLED 10 SWABS + RECOVERED 1.98 m ³ OF LOAD FLUID. - FLUID LEVEL @ 1281 m ON FIRST SWAB.
	1800	SECURE WELL, DRAIN PUMP LINES + S.D.F.N. @ 1800 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	4760	TESTERS	1416	DAILY COST	11936 .00
SUPERVISION	745	TOOLHAND	600	PREVIOUS	1155298
RENTALS	532	TANK TRUCK	633	COST TO DATE	1167234 .00
CAMP	2500			AFE AMOUNT	1086548
SAFETY	750				

RIG HOURS: 11 MOBILE: 1-600-700-5162 PREPARED BY: AL TRONSTEDE
 CUM RIG HRS: 550 AREA: FT. LEARD ALB.T. RECEIVED BY: WAYNE TOMLIN

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: <u>0.0</u> m ³	Oil: <u>0.0</u> m ³	Oil: <u>0.0</u> m ³	Oil: <u>0.0</u>
Water: <u>11.7</u> m ³	Water: <u>1.98</u> m ³	Water: <u>10.08</u> m ³	Water: <u>1.6</u>
			(+ new fluid)

SWAB REPORT

Well Name PARAMOUNT ET EL ARROWHEAD Location: N 65 Company PARAMOUNT

Service Rig CENALTA #42 Tank Coef. .18 m³/min Date 26/01/99

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water.

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
16	14:10	1796	2111	124 124	Ø	Ø	7.20						TWO CUPS
			FIRE	GUNS									
17	16:45	?	2261	124	Ø	Ø	7.30						
18	17:26	?	2261	128	4	.73	7.92						
19	18:00	?	2544	128	Ø	Ø	7.92						

SWAB REPORT

Well Name PARAMOUNT ET EL ARROWHEAD Location N 65 Company PARAMOUNT
 Service Rig CENELTA 42 Tank Cont. 118 m³/min Date JAN 26/99

Load Fluid To Recover _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m³	Cumulative m³		This Run m³	Cumulative m³	This Run m³	Cumulative m³	
1	8:15	SURFACE	318	84 91	7	1.26	1.26						SAVER RUBBERS NEW CUP
2	8:25	318	620	98	7	1.26	2.52						
3	8:40	620	912	104	6	1.08	3.60						
4	9:00	912	1190	107	3	.54	4.14						NEW CUP
5	9:20	1005	1281	107	Ø	Ø	4.14						TORN CUP
6	9:40	1005	1281	111	4	.72	4.86						
7	9:55	1190	1370	113	2	.36	5.22						
8	10:15	1281	1544	117	4	.72	5.94						2 CUPS
9	10:40	1450	1630	119	2	.36	6.30						
10	11:15	1450	1630	120	1	.18	6.48						2 CUPS
11	12:00	1544	1796	121	1	.18	6.66						
12	12:20	1630	1876	123	2	.36	7.02						
13	12:35	1713	1796	123	Ø	Ø	7.02						2 CUPS
14	13:00	1796	2034	124	1	.18	7.20						
15	13:55	1796	2111	124	Ø	Ø	7.20						

93%

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JAN-28-1999 09:12

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01/28/99 THU 09:05 FAX 403 266 6032

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SWAB REPORT

Well Name PARAMOUNT ET EL ARROWHEAD Location N 65 Company PARAMOUNT
Service Rig CENALTA #42 Tank Coef .18 m³/mm Date 27/01/99

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
1	9:05	1281	1544	85	89	4	.72	.72					NEW CUPS
2	10:30	1544	1796	94	5	.90	1.62						SAVERHEAD RUBBERS
3	11:20	1796	2055	96	0	.36	1.98						2 CUPS
4	12:00	2111	2333	96	0	0	1.98						
5	12:40	?	2544	96	0	0	1.98						
6	13:55	?	2544	96	0	0	1.98						2 CUPS
7	15:00	?	2544	96	0	0	1.98						
8	16:00	?	2544	96	0	0	1.98						
9	17:00	?	2544	96	0	0	1.98						1 CUP
10	18:00	?	2544	96	0	0	1.98						

93%

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01/28/99 THU 09:05 FAX 403 266 6032

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD

DATE: 99/01/25 REPORT NO: 47

LOCATION: N-05

CONTRACTOR: CFNATA RIG # 42

T.C.P. (m): 2594.0 (P.O.D. (m)) 2581.5

Ag. (m) 139.7 AFF #

FORMATION: SLAVE POINT

Perforations: 2594.0 2601.0 & 2579.0 2581.0

PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL

WELLHEAD PRESSURES (206.00 hrs)

SITP: 570 kPa

SICP: VAC kPa

CURRENT OPERATIONS (208.00 hrs): SWAB TEST WELL AFTER PERFORATING

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP 0 kPa SICP 0 kPa
730	745	START & SERVICE RIG & EQUIPMENT. TAKE PRESSURE READINGS, HOLD SAFETY MEETING.
745		RIG UP TO SWAB & SWAB WELL DOWN PRIOR TO PERFORATING, PULLED 17 SWABS AND RECOVERED 7.40m ³ OF LOAD FLUID. LAST THREE SWABS PULLED DRY, FLUID LEVEL
	1530	AT 1956.0m. - RIG OUT SWAB EQUIPMENT & PREPARE TO PERFORATE.
1530		DROP BAR & PERFORATE FROM 2594.0m. - 2601.0m. AND 2579.0m. - 2581.0m. (T.C.P.) WITH A 101mm. - ERHSC - 38.5 GRAM CHARGES - 60 DEGREE PHASING & 18 S.P.M.
	1630	MONITOR WELL - HEARD GUNS FIRE. NO REACTION @ SURFACE FOR ONE HOUR.
1630		RIG UP TO SWAB & SWAB TEST WELL AFTER PERFORATING.
		PULLED 3 SWABS & RECOVERED 0.70m ³ OF LOAD FLUID. PULLED FROM "X" NIPPLE.
	1830	SECURE WELL & S.O.F.N. @ 1830 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,644.00	TESTERS	\$1,416.00	DAILY COST	\$13,557.00
SUPERVISION	\$745.00	TOOL HAND	\$600.00	PREVIOUS	\$1,141,741.00
RENTALS	\$532.00	PERFORATORS	\$3,370.00	COST TO DATE	\$1,155,298.00
CAMP	\$2,500.00			AFF AMOUNT	\$1,085,548.00
SAFETY	\$750.00				
RIG HOURS	11.5	MOBILE	1 800-700-5182	PREPARED BY	AL. RONSON
CUM RIG HRS	539.0	AREA	FT. LARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery:	Recovery Date	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 1.7 m ³	Water: 0.7 m ³	Water: 2.1 m ³	Water: 3.5
			(* new fluid)

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: **JAMEL PARAMOUNT BULKLEY ARROWHEAD** DATE: **99/01/25** REPORT NO: **465**
 LOCATION: **N-65** CONTRACTOR: **CENALTA RIG # 42**
 ID (mKB): **2925.0** PBID (mKB): **2612.5** Csg Size (mm): **139.7** AFF # **275/8**
 FORMATION: **SLAVE POINT** Perforations: _____
 PURPOSE: **COMPLETE AS A SLAVE POINT GAS WELL**
 WELLHEAD PRESSURES @ 08:00 hrs: SITP: **0 kPa** SICP: **0 kPa**
 CURRENT OPERATIONS @ 08:00 hrs: **SWAB FLUID LEVEL DOWN PRIOR TO PERFORATING**

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: 0 kPa SICP: 0 kPa
700	715	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS & HOLD SAFETY MEETING
715	745	PRESSURE TEST TBG. PLUG IN ON-OFF CONNECTOR TO 21 MPA. - HELD GOOD
745		TRIP IN WITH ON-OFF CONNECTOR & TBG. PLUG IN PLACE, BREAKING ALL CONNECTIONS, CLEANING, INSPECTING, DOPING, RE-TORQUEING & PRESSURE TESTING 53 JOINTS OF
1400		88.9mm. J55 TUBING, LAYED OUT ONE DAMAGED JOINT (WOULD NOT PRESSURE TEST)
1400		RAN 70 JOINTS OF 88.9mm. - L80 TBG. & PRESSURE TESTED TO 14 MPA. GOOD TEST
		RAN 70 JOINTS OF 88.9mm. - L80 TBG. & PRESSURE TESTED TO 14 MPA. GOOD TEST
1700		RAN 74 JOINTS OF 88.9mm. - L80 TBG. & PRESSURE TESTED TO 14 MPA. GOOD TEST
1700	1845	RIG IN SLICKLINE TO PULL PLUG, PULL PRONG & PULL PLUG, RIG OUT SLICKLINE
1845		LATCH ON TO PACKER, MEASURE UP, COME OFF PACKER, SPACE OUT & RE-LATCH ON TO PACKER WITH 15,000 Da N. COMPRESSION ON PACKER, PRESSURE TEST PACKER TO
2030		14 MPA, FOR 10 MINUTES - HELD GOOD
2030		NIPPLE UP WELL HEAD ON TOP OF B.O.P.s TO SWAB & PERFORATE
2130		SECURE WELL & S.D.F.N.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,799.00	TESTERS	\$1,416.00	DAILY COST	\$21,932.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00	PREVIOUS	\$1,119,809.00
RENTALS	\$532.00	SLICKLINE TRUCK	\$3,800.00	COST TO DATE	\$1,141,741.00
CAMP	\$2,500.00	WIRELINE TRUCK	\$950.00	A/E AMOUNT	\$1,085,548.00
SAFETY	\$750.00	FUEL & CARTAGE	\$4,840.00		
RIG HOURS		MOBILE	1,600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS		AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 11.7 m ³	Water: 0 m ³	Water: 0 m ³	Water: 11.7
			(if new fluid) 0

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: PARAMOUNT BIRKLEY ARROWHEAD DATE: 99/01/21 REPORT NO 42
 LOCATION N 65 CONTRACTOR: CLNALIA RIG # 42
 TD (mKB): 2925.0 PBD (mKB): 2622 Csg Size (mm) 139 / AFE # 21578
 INFORMATION: SLAVE POINT Perforations: 2014.0 2015.0
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @06:00 hrs: SITP 0 kPa SICP 0 kPa
 CURRENT OPERATIONS @08:00 hrs: RIG IN WIRELINE TRUCK TO RUN & SET A BRIDGE PLUG

FROM	TO	PREVIOUS DAYS OPERATIONS		
		SITP	SICP	VAC. kPa
7:00	7:15	350 kPa		
7:15	7:30	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS, SAFETY MEETING.		
7:30	8:00	HOOK UP PUMP LINES & BLEED OFF TBG. PRESSURE TO RIG TANK.		
8:00	9:00	PUMP 0.5m3. OF WATER DOWN TBG. - CASING WAS FULL.		
9:00	13:00	REMOVE WELL- HEAD FROM B.O.P.s. - UNSEAT PACKER & ALLOW RUBBERS TO CONTRACT.		
13:00	13:30	TRIP OUT TO RECOVER PACKER & RECOVER SAME.		
13:30	18:00	BREAK OUT PACKER & LAY DOWN SAME.		
	18:00	WAIT ON BAKER / ATLAS WIRELINE TRUCK (LOANED TO DRILLING RIG)		
		SECURE WELL & S.O.F.N. @ 1800 HRS.		

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,917.00	TOOL-HAND	\$600.00	DAILY COST	\$12,093.00
SUPERVISION	\$745.00	ILSTERS	\$1,416.00	PREVIOUS	\$990,586.00
RENTALS	\$532.00	WATER TRUCK	\$633.00	COST TO DATE	\$1,002,679.00
CAMP	\$2,500.00			AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00				
RIG HOURS	10	MOBILE	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	474.5	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery	Recovered to Date	Load to Recover.
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 15.0 m ³	Water 0 m ³	Water 40.6 m ³	Water 0.0
			(+ new fluid) 26.1

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME PARAMOUNT BERKLEY ARROWHEAD DATE 99/01/20 REPORT NO 41
 LOCATION N 65 CONTRACTOR CENALTA RIG # 42
 TD (mKB) 2925.0 PBD (mKB) 2622 Csg Size (mm) 139.7 AFF # 27678
 FORMATION SLAVE POINT Perforations 2614.0 - 2615.0
 PURPOSE COMPLETE AS A SLAVE POINT GAS WELL
 WELLHEAD PRESSURES @08:00 hrs SITP 350 kPa SICP Vac kPa
 CURRENT OPERATIONS @08:00 hrs: UNSEAT PACKER & TRIP OUT TO RECOVER SAME

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP 1800 kPa SICP VAC kPa
700	715	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS, SAFETY MEETING.
715	745	HOOK UP PUMP LINES, BLEED OFF TBG.
745	800	RIG UP TO SWAB, RUN IN & TAG FLUID LEVEL @ 912 m.
800		RIG IN TRI-ALTA BEWES SLICKLINE TRUCK TO SET TBG. PLUG.
		RUN # 1 - RAN A GAUGE RING TO ENSURE TUBING IS CLEAR - TUBING GOOD.
		RUN # 2 - RAN IN TO SET TUBING PLUG IN PROFILE IN THE ON-OFF CONNECTOR (MISSRUN)
		RUN # 3 - RAN IN TO SET TUBING PLUG IN PROFILE IN THE ON-OFF CONNECTOR (MISSRUN)
		RUN # 4 - RAN IN AND SET TUBING PLUG IN PROFILE IN TUBING STRING 3m. ABOVE ON-OFF.
	1445	RUN # 5 - RAN AND SET PRONG IN PLUG TO HOLD PLUG DOWN.
1445		FILL TUBING WITH 3.6m3. OF WATER, TBG. FLOWED BACK 1.1m3. - FILL CASING WITH 15.5 m3. OF WATER. ATTEMPT TO PRESSURE TEST TBG. - PUMP POP VALVE WASHED OUT GIVING THE IMPRESSION OF WELL FEEDING OR PACKER LEAKING, TBG. PRESSURED UP TO
1745		9000 KPA. & LOST 2500 KPA. IN 10 MINS.
1745	1800	PRESSURE TEST ANNULUS TO 7000 KPA. & LOST 2000 KPA. IN 10 MINS.
1800		RIG IN WIRELINE TO PULL PLUG, RUN # 6 - RUN IN TO PULL PRONG, PRONG & PLUG CAME OUT TOGETHER & SEALS ON PLUG WERE ALL FRIED & BROKEN FROM HEAT EXPOSURE. RE-DRESS PLUG WITH DIFFERENT TYPE OF SEALS & RE-RUN TO PRESSURE TEST TUBING.
		RUN # 7 - RUN IN WITH GAUGE RING TO ENSURE TBG. IS CLEAR OF TORN OFF SEALS.
		RUN # 8 - RUN IN WITH PLUG TO PRESSURE TEST TBG. - PLUG WOULD NOT SEAT.
	2100	RIG OUT SLICKLINE TRUCK, SECURE WELL & S.D.F.N. @ 2100 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,658.00	TOOL HAND	\$600.00	DAILY COST	\$18,235.00
SUPERVISION	\$745.00	TESTERS	\$1,480.00	PREVIOUS	\$972,351.00
RENTALS	\$532.00	SLICKLINE TRUCK	\$5,970.00	COST TO DATE	\$980,588.00
CAMP	\$2,500.00			AFF AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS	14	MOBIL	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	464.5	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 14.5 m ³	Water 0 m ³	Water 40.6 m ³	Water 0.0
			(+ new fluid) 26.1

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME **PARAMOUNT BERKLEY ARROWHEAD** DATE **99/01/19** REPORT NO **10**
 LOCATION **N-65** CONTRACTOR **CFNATA RIG # 42**
 TD (mKB) **2925.0** PBTD (mKB) **2622** Csg Size (mm) **139.7** AFE # **27678**
 FORMATION **SLAVE POINT** Perforations **2614.0 2615.0**
 PURPOSE **COMPLETE AS A SLAVE POINT GAS WELL**
 WELL HEAD PRESSURE @ 0000 hrs: SIPP **1800 kPa** SICP VAC **kPa**
 CURRENT OPERATIONS @ 0000 hrs **SWAB TEST WELL**

FROM	TO	PREVIOUS DAYS OPERATIONS
		SIPP 2170 kPa SICP VAC kPa
700	715	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS, SAFETY MEETING.
715	745	HOOK UP PUMP LINES, BLEED OFF TUBING PRESSURE & FILL CASING WITH 6.8m³ WATER.
745		RIG UP TO SWAB & SWAB TEST WELL (TAGGED FLUID LEVEL @ 420 m.), PULLED 26
		SWABS & RECOVERED 15.84m³ OF FRESH LOAD WATER (0% SALINITY) - NO TROUBLE
		GETTING TO P.S.N. - NO GAS ENCOUNTERED - CASING ON SLIGHT VACUUM.
	1800	SECURE WELL & S.D.F.N. @ 1800 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,525.00	TOOL HAND	\$600.00	DAILY COST	\$12,335.00
SUPERVISION	\$745.00	TESTERS	\$1,480.00	PREVIOUS	\$960,016.00
RENTALS	\$532.00	HOT SHOT TRUCK	\$1,203.00	COST TO DATE	\$972,351.00
CAMP	\$2,500.00			AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00				
RIG HOURS	11	MOBILE	1-600-700-5182	PREPARED BY	AL IRONSIDE
CUM RIG HRS	450.5	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery	Recovered to Date:	Load to Recover:
Oil 0.0 m³	Oil 0 m³	Oil 0 m³	Oil 0.0
Water 12.2 m³	Water 15.84 m³	Water 40.6 m³	Water 0.0
			(+ new fluid) 28.4

SWAB REPORT

Well Name Paramount et al N. W. Head Location N 65° Company Paramount Res. LTD
Service Rig Cerrito # 42 Tank Coef. .18 m³/cm m³/mm Date Jan 19/99
Load Fluid To Recover: m³ Oil m³ Water Recovered To Date: m³ Oil m³ Water Left To Recover: m³ Oil m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
1	7:47	420	719	70	6	1.08	1.08						filling (6.8-') SL - 8%
2	8:05	620	912	76	6	1.08	2.16						SL - 2%
3	8:20	912	1190	84	8	1.44	3.6				new cap		
4	8:38	1099	1370	91	7	1.26	4.86						SL - 0%
5	8:55	1281	1544	97	6	1.08	5.94						
6	9:12	1544	1796	104	7	1.26	7.2						SL - 0%
7	9:30	1796	2034	109	5	.9	8.1				change swab rubber		
8	10:10	1876	2186	114	5	.9	9.0						SL - 0%
9	10:32	2111	2373	116	2	.36	9.36				new cap		
10	11:07	?	2544	121	5	.9	10.26						SL - 0%
11	11:25	?	nipale	123	2	.36	10.62						
12	12:00	?	"	124	1	.18	10.80				new cap		SL - 0%
13	12:38	?	"	128	4	.72	11.52						
14	13:25	?	"	130	2	.36	11.88						SL - 0%
15	13:...	?	"	132	2	.36	12.24						

SWAB REPORT

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Well Name Paramount e & d Dershead Location Fort Lard N65 Company Paramount Res. LTD
Service Rig Cenalta #42 Tank Coef. .18 m'/cm m³/mm Date Jan 19/99

Load Fluid To Recover: _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
16	14:18	9072	2544	135	3	.54	12.78						SL - 0%
17	14:35	?	2544	136	1	.18	12.96						
18	14:50	?	"	136	0	0	12.96			new cap			
19	15:19	?	"	141	5	.9	13.86						
20	15:35	?	"	142	1	.18	14.04						
21	15:55	?	"	142	0	0	14.04			new cap			
22	16:12	?	"	145	3	.54	14.58						
23	16:44	?	"	148	3	.54	15.12						
24	17:00	?	"	148	0	0	15.12						
25	17:27	?	"	152	4	.72	15.84						
26	17:46	?	"	152	0	0	15.84						
													SL - 0%

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME PARAMOUNT BERKLEY ARROWHEAD DATE 99/01/18 REPORT NO 39
 LOCATION: N-65 CONTRACTOR CFNAI TA RIG # 42
 TD (mKB) 2925.0 PBD (mKB) 2622 Csg Size (mm) 139.7 AIL # 27078
 FORMATION: SLAVE POINT Perforations: 2614.0 - 2615.0
 PURPOSE: COMPLETE AS A SLAVE POINT GAS WELL Temperature _____
 WELL HEAD PRESSURES @08:00 hrs: SIFP: 2170 kPa SICP: VAC kPa
 CURRENT OPERATIONS @08:00 hrs: SWAB TEST WELL

FROM	TO	PREVIOUS DAYS OPERATIONS
		SIFP 1600 kPa SICP VAC kPa
700	715	START & SERVICE RIG & EQPT. - TAKE PRESSURE READINGS - SAFETY MEETING.
715		HOOK UP PUMP LINES & FILL CASING WITH 7.5m ³ . OF LOAD WATER, BLEED OFF TUGING.
		RIG UP TO SWAB & SWAB TEST WELL - FLUID LEVEL @ 521.0m.
		PULLED 16 SWABS & RECOVERED 14.5m ³ . OF WATER - FILLED CASING TWO MORE TIMES
		5.5m ³ . & 4.0m ³ . FOR A TOTAL OF 17.0m ³ . PUMPED IN CASING FOR THE DAY.
		WATER SALINITY STARTED @ 60,700 PPM. & SLOWLY DECREASED TO FRESH WATER.
		FLUID LEVEL DOWN TO 2200m. BY END OF TOUR.
	1800	SECURE WELL & S.D.F.N. @ 1800 HRS.

* NOTE: DURING SWABBING OPERATIONS NO GAS ENCOUNTERED.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,488.00	TOOL - HAND		DAILY COST	\$11,255.00
SUPERVISION	\$745.00	TESTERS	\$1,480.00	PREVIOUS	\$948,761.00
RENTALS	\$632.00	TANK TRUCK	\$760.00	COST TO DATE	\$960,016.00
CAMP	\$2,500.00			AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS	11	MOBILE	1-800-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	439.5	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 12.2 m ³	Water: 14.5 m ³	Water: 24.76 m ³	Water: 0.0
			(+ new fluid) 12.56

JAN-19-1999 08:23

403 266 6032

94%

66-6117 67:10
P.13

Well Name Paramount St Andrews Location Fort Liard N65 Company Paramount Rev. 150
Service Rig Casalta # 42 Tank Coef. .18 m³/cm m³/mm Date Jan 16/99
Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

01/18/98 TUE 08:17 FAX 403 266 6032

SWAB REPORT

Well Name Paramount Res. Location N 65° Company Paramount Oil & Pro. Serv.
 Service Rig Cenalta # 42 Tank Coef. .18 m³/cm m³/mm Date Jan 18/99
 Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m³	Cumulative m³		This Run m³	Cumulative m³	This Run m³	Cumulative m³	
1	8:00	5'21	912	126	7	1.26	1.26						
2	8:15	912	1099	133	7	1.26	2.52						
3	8:30	1005	1218	140	7	1.26	3.78						
4	8:48	1218	1544	147	7	1.26	5.04						
5	9:15	1458	1713	155	8	1.44	6.48						
6	10:10	1796	2034	163	8	1.44	7.92						
7	10:25	1956	2186	167	4	.72	8.64						← pump to 400
8	11:12	2034	2261	73	5	.9	9.54						
9	11:25	?	2333	75	2	.36	9.9						
10	11:45	?	2333	80	5	.9	10.8						
11	12:30		2544	—	—	—	10.8						wrecked comp.

SW-2914
 JAN-19-1999 08:23

403 266 6032

93%

66.61/10 08:10
 P.14

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION WORKOVER REPORT**Well NAME: **PARAMOUNT BERKLEY ARROWHEAD**DATE: **99/01/17** REPORT NO: **38**LOCATION: **N-85**CONTRACTOR: **CENALTA RIG # 42**TD (mKB): **2925.0** PBD (mKB): **2622**Csg Size (mm): **139.7** AFE # **27678**FORMATION: **SLAVE POINT**Perforations: **2614-2615**PURPOSE: **COMPLETE SLAVE POINT GAS WELL**Temperature: **CLEAR & -14**

WELLHEAD PRESSURES @08:00 hrs:

SITP:

SICP: **_____** kPaCURRENT OPERATIONS @08:00 hrs: **SWAB / TEST SLAVE POINT ZONE**

FROM	TO	PREVIOUS DAYS OPERATIONS	
		SITP: TSTM kPa	SICP: TSTM kPa
7:00		PREDAILY SAFETY MEETING / WALK AROUND INSPECTION & MOTOR KILLS OK	
		SERVICE EQUIPMENT / TIE IN ALL PUMP AND KILL LINES(bleed small gas head to tank)	
	8:00	CONTINUE IN W / 88.9mm PRODUCT TEST TBG STRING	
		PIN DRIFT AND RETALLEY TBG STRING ON WAY IN (total tbg = 272)	
		SET PACKER IN 14000 DaN COMPRESSION / FILL CSG W / 12m3	
		PRESSURE TEST PACKER TO 10000 KPA APPEARS TO LEAKING	
	12:00	SET UP SWAB EQUIPMENT / APPEAR PACKER LEAKING(fluid coming up tbg)	
		RIG OUT SWAB EQUIPMENT / RELEASE PACKER AND RESET ONE JT HIGHER	
		TBG BOTTOM AT 2598.87mKB / PACKER SET AT 2591.5mKB	
		PRESSURE BOTH SETS WELLHEAD SURFACE SEALS TO 21000 KPA-BOTH OK-	
		PRESSURE TEST CSG AND PACKER TO 1000 KPA / GETTING FEED RATE AT 0.40m3/MIN	
		TBG FULL BUT APPEARS PACKER HOLDING AND LEAK IN CASING(liner top?)	
		SET UP SWAB EQUIPMENT / PULLED SWABS AND RECOVERED 10.28m3	
		SECURE WELL AND EQUIPMENT	
	20:00	SIFN	

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$3,358.00	TOOLHAND	\$600.00	DAILY COST	\$28,851.00
SUPERVISION	\$745.00	TESTERS	\$1,400.00	PREVIOUS	\$919,910.00
RENTALS	\$532.00	ELECTRIC LINE	\$2,928.00	COST TO DATE	\$948,761.00
CAMP	\$2,500.00	FUEL	\$3,654.00	AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00	CARTAGE	\$383.00		

RIG HOURS	12	MOBILE	1	PREPARED BY	BERT BLAKELY
CUM RIG HRS.	428.5	AREA	FT. LANE W.T	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____
Water: 12.2 m ³	Water: 10.26 m ³	Water: 10.26 m ³	Water: 2m3
			(*+ new fluid)

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93%

Service Rig Cenalta #42 Tank Coef. .18/cm m²/mm Date Jan 17/99

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

403 266 6032

JAN-18-1999 09:49

01/18/99 MON 09:43 FAX 403 266 6032

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION MAKEOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD

LOCATION: N-85

TD (mKB): 2925.0 PBD (mKB): 2631.5

FORMATION: SULFUR POINT

PURPOSE: COMPLETE SULFUR POINT GAS WELL

WELLHEAD PRESSURES @08:00 hrs: SITP: 11800 kPa

CURRENT OPERATIONS @08:00 hrs: KILL WELL / PULL TEST

DATE: 99/01/15 REPORT NO: 36

TRACTOR: CENALTA RIG # 42

Size (mm): 139.7 AFE # 27678

Perforations: 2614-2615

SICP: 7750 kPa

SET BRIDGE PLUG / TEST UPPER PERFS

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: 11800 kPa SICP: 400 kPa
7:00		PREDAILY SAFETY MEETING / NOTIFICATION
		SET UP TRI ALTA BEWS SLICKLINE
		RIG IN AND RETRIEVE RECORDERS
	9:00	RIG OUT AND RELEASE SLICKLINE
9:00	11:00	BLEED GAS HEAD OFF TBG / PUMP
11:00		REMOVE WELLHEAD FROM TBG /
		REMOVE DOGNOT AND SURFACE
		POOH W/ 13 STANDS TBG AND CASING
	14:00	CASING PRESSURE UP TO 4000 KPA
		PUMP 14m3 DOWN TBG / REVERSE
		NO RETURNS UP TBG AND CASING
	18:00	STILL NO TANK TRUCK / SECURE
		407's tank truck free / also beaver
		fill rig tank and 1-400 tank

DAILY COST SUMMARY

Item	Amount	Item	Amount
RIG	\$4,915.00	TESTERS(STD BY)	\$1,400.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00
RENTALS	\$632.00	SLICKLINE	\$3,250.00
SAFETY	\$750.00	TANK TRUCKS	\$880.00
CAMP	\$2,500.00		

RIG HOURS	12	MOBILE	1
CUM RIG HRS.	402.5	AREA	FT. LA

LOAD TO RECOVER

Total Load Fluid:	Daily Recovery:	Load to Date:	Load to Recover:
Oil: m ³	Oil: m ³	Oil: m ³	Oil: m ³
Water: m ³	Water: m ³	Water: m ³	Water: m ³
			(* new fluid)

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD

DATE: 99/01/13 REPORT NO: 34

LOCATION: N-65

CONTRACTOR: CENALTA RIG # 42

TD (mKB):	2925.0	PSTD (mKB):	2631.5
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Csg Size (mm): 138.7 AFE # 27678

FORMATION: SULFUR POINT

Perforations: 2614-2615 & 2625.5-2630

PURPOSE: COMPLETE SULFUR POINT GAS WELL

WELLHEAD PRESSURES @ 08:00 hrs:	SITP:	kPa	SICP: T.S.T.M.	kPa
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CURRENT OPERATIONS @ 08:00 hrs: WELL SHUT IN FOR RECORDER BUILD UPS

[illegible]

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,263.00	SLICKLINE stoby	\$1,040.00	DAILY COST	\$24,501.00
SUPERVISION	\$745.00	HAUL TBG	\$1,125.00	PREVIOUS	\$542,778.00
RENTALS	\$532.00	SAFETY	\$750.00	COST TO DATE	\$567,280.00
TOOLHAND	\$800.00	FLUID DISPOSAL	\$9,600.00	AFE AMOUNT	\$1,085,648.00
TESTERS	\$3,346.00	CAMP	\$2,500.00		

RIG HOURS	10	MOBILE	1-800-700-5162	PREPARED BY	BERT BLAKELY
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CUM RIG HRS.	380.5	AREA	FT. LIARD NWT	RECEIVED BY	WAYNE TOMM
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LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: _____ m ³	Oil: _____ m ³	Oil: _____ m ³	Oil: _____
Water: <u>21.0</u> m ³	Water: <u>39.39</u> m ³	Water: <u>302.53</u> m ³	Water: <u>+ 281.53</u>
			('+' new fluid)

ENTEST Corp.

CUSTOMER: PARAMOUNT

J. NAME: No. PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154.05 min

OAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

Date dd/mm/yyyy	Time hh:mm	Sp. flow Time Decimal	Choke size cm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	DP Press. kPa	Motor Temp °C	Offsite Size mm	Gas Rate 10PSI/day	Cum. Gas 10PSI	Fluid Volume M³ /hr	Calc. Inc. HCFs M³	Cum INC M³	MOO MGB-41	Cum H₂O M³	BS&W %	P.H.	SAL ppm
13/01/99	03:30	48.00	12.70	5600	TSTM	33	345	30.38	24	63.50	93.11	419.76								
	04:00	48.50		5600	TSTM	35	345	30.38	25	63.50	92.95	420.84	2.70	0.00	0.00	2.70	274.00	100	7	118,000
	04:30	49.00		5550	TSTM	35	345	29.88	25	63.50	92.22	422.12								
	05:00	49.50		5550	TSTM	33	345	29.88	26	63.50	92.08	423.32	2.60	0.00	0.00	2.60	276.60	100	7	116,000
	05:30	50.00		5550	TSTM	35	345	29.88	26	63.50	92.08	424.56								
	06:00	50.50		5500	TSTM	34	338	29.38	27	63.50	90.61	425.75	2.88	0.00	0.00	2.88	279.48	100	7	118,000
	06:30	51.00		5500	TSTM	34	331	28.88	27	63.50	88.92	426.90								
	07:00	51.50		5500	TSTM	35	324	28.37	28	63.50	87.58	428.03	2.70	0.00	0.00	2.70	282.18	100	7	120,000
	07:30	52.00		5450	15	38	331	28.38	27	63.50	88.19	429.21								
			NOW USING 30PSI GUAGE IN CSG.																	
	08:00	52.50		5400	15	38	331	27.89	28	63.50	87.30	430.37	2.47	0.00	0.00	2.47	284.65	100	7	120,000
	08:30	53.00		5400	10	37	331	29.38	29	63.50	89.35	431.64								
	09:00	53.50		5350	10	38	331	28.88	29	63.50	88.62	432.91	2.85	0.00	0.00	2.85	287.60	100	7	122,000
	09:30	54.00		5300	10	38	345	28.38	29	63.50	88.38	434.22								
	10:00	54.50		5300	10	38	331	27.89	30	63.50	87.00	435.48	2.83	0.00	0.00	2.83	290.43	100	7	120,000
	10:30	55.00		5300	10	38	310	25.90	30	63.50	81.81	436.52								
	11:00	55.50		5250	10	38	331	27.39	29	63.50	86.40	437.78	2.63	0.00	0.00	2.63	293.26	100	7	120,000
	11:30	56.00		5250	5	38	331	26.89	30	63.50	85.50	438.02								
	12:00	56.50		5200	5	39	331	26.39	30	63.50	84.73	440.24	2.41	0.00	0.00	2.41	295.67	100	7	118,000
	12:30	57.00		5150	5	38	310	25.90	31	63.50	81.87	441.37								
	13:00	57.50		5050	5	41	310	25.90	32	63.50	81.53	442.52	2.86	0.00	0.00	2.86	298.53	100	7	118,000

Page 7

ENTEST Corp.

CUSTOMER: PARACOUNT

L'VAME / No. PARACOUNT ET AL ARRONNIEAO

TYPE TEST:

COMPANY REP: BEAT BLANLEY

FIELD OR AREA: ARRONNIEAO

ZONE: SULFUR POINT

METER RUN: 15405 item

GAS DENSITY: 0.65 Air = 1

DATE: 1/14/99

SUPERVISOR: R. LUTZ

Obs Delivery	Time Observed	Est. New Time Delayed	Clock Start Time	Timing Pressure PSI	Capacity Pressure PSI	Flow Temp °C	Static Pressure PSI	Diff. Pressure PSI	Mass Temp °C	Orifice Size mm	Gas Rate 1000 ft ³ /hr	Cur. Gas Temp °F	Flow Volume ft ³ /hr	Gas. Inc. NO ₂ ppm	Cur. HC ppm	CO ppm	Cur. NO ₂ ppm	Cur. CO ppm	SA ppm
1900			7000																

Date		Time	Elapsed Time	Choke Size	Tubing Press.	Casing Press.	Flow Temp	Shut Press	Dil. Press	Meter Temp	Orifice Size	Gas Rate	Cum. Gas	Fluid Volume	Calc. Inc.	Cum. MC	H ₂ O	Cum. H ₂ O	BS&W	P.H.	S&L
dd/mm/yy	hh:mm	mm:ss	min	in	MPa	MPa	°C	MPa	MPa	°C	mm	SCFH/day	1000	lit	MPa	1000	MMH ₂ O	MM	%		ppm
	13:30	58.00	12.70	5000	TSTM	41	310	25.90	32	63.50	81.53	443.68									
WELL STARTING TO SLUG.																					
	14:00	58.50		5000	TSTM	41	310	25.90	31	63.50	81.67	444.86	2.73	0.00	0.00	2.73	301.26	100	7	110,000	
	14:30	59.00		5000	TSTM	41	317	26.39	31	63.50	83.14	448.11	1.27	0.00	0.00	1.27	302.53	100			
SHUT IN RECORD BUILD-UPS.																					
TOTAL H ₂ O PROD. PAST 14.5 HRS. = 30.30 M3																					
TOTAL GAS PROD. PAST 14.5 HRS. = 34.17 10 ³ M3																					
CUMM. H ₂ O PROD. = 302.53 M3																					
CUMM. GAS FLARED = 448.11 M3																					
	14:35			6450																	
	14:40			6500																	
	14:45			6550																	
	15:00			6600																	
	15:15			6600																	
	15:30			6800																	
	16:00			6870																	
	16:30			6750																	
	17:00			6800																	
	17:30			6900																	
	18:00			7000																	
	18:30			7000																	

ENTEST Corp.

CUSTOMER: PARAMOUNT

J. NAME / No. PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 99/01/12 REPORT NO: 33
 LOCATION: N-65 CONTRACTOR: CENALTA RIG # 42
 TD (mKB): 2925.0 PBD (mKB): 2631.5 Csg Size (mm): 139.7 AFE # 27678
 FORMATION: SULFUR POINT Perforations: 2614-2615 & 2625.5-2630
 PURPOSE: COMPLETE SULFUR POINT GAS WELL
 WELLHEAD PRESSURES @07:00 hrs: SITP: 5200 kPa(flowing) SICP: T.S.T.M. kPa
 CURRENT OPERATIONS @08:00 hrs: FLOW TEST WITH RECORDERS DN HOLE

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: <u>10750</u> kPa SICP: <u>T.S.T.M.</u> kPa
07:00		PREDAILY SAFETY MEETING / VISUAL WALKAROUND EQUIP INSPECTION-OK-
		CHECK ALL MOTOR SHUT DOWNS / WAIT ON SLICKLINE
	08:00	SET UP TRI-ALTA BEWS SLICKLINE UNIT / HOLD SAFETY MEETING
08:30		RIH W / 38.1mm BLIND BOX / RUN DOWN PAST TBG BOTTOM AND TAG
		BRIDGR PLUG ON DEPTH
		RIH W / TANDEM AMERADA RECORDERS(3 HOUR) / COMPLETE 3 MINUTE STOPS
		STOP EVERY 500 METERS / 6 MINUTE STOP AT 2624mKB
		POOH / FIELD BOTTOM HOLE TEMP ESTIMATE AT 132 DEGREES "C"
		ESTIMATED BOTTOM HOLE PRESSURE AT 21200 KPA
		RIH AND SET 56.64mm COLLAR STOP IN "XN" PROFILE NIPPLE
		RIH W / TANDEM AMERADA 180 HOUR RECORDERS / LATCH J-HEAD 73mm HOLDOWN
	13:00	POOH W / SLICKLINE TOOLS / RIG OUT SLICKLINE UNIT(clocks at bottom at 12:56 hrs)
14:30	14:30	BEGIN FLOWING WELL TO ENTST UNIT ON 12.7mm CHOKE AND FLARE GAS
		MONITOR ALL PARAMETERS AS PER FLOW REPORT
	00:01	NEW TOUR
		WELL AVERAGING 1.1m ³ FLUID PER HOUR
		FLOWING AT 98/10/3/M/3/PER DAY (h2s = 2000 ppm)
		DAILY FLUID = 10.52m ³ / TOTAL FLUID RECOVERED ABOVE LOAD = 242.14m ³

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,263.00	CAMP	\$2,500.00	DAILY COST	\$21,786.00
SUPERVISION	\$745.00	SAFETY	\$750.00	PREVIOUS	\$805,820.00
RENTALS	\$532.00	TESTERS	\$2,488.00	COST TO DATE	\$827,606.00
FLUID DISP / TNK TR	\$7,200.00	TOOLHAND	\$600.00	AFE AMOUNT	\$1,085,548.00
SLICKLINE	\$2,730.00				

RIG HOURS 10 MOBILE 1-600-700-5162 PREPARED BY BERT BLAKELY
 CUM RIG HRS. 370.5 AREA FT LIARD N.W.T. RECEIVED BY WAYNE TOMM

LOAD FLUID

Total Load Fluid: Daily Recovery: Recovered to Date: Load to Recover:
 Oil: 21.0 m³ Oil: 10.52 m³ Oil: 263.14 m³ Oil: + 242.14
 Water: 21.0 m³ Water: 10.52 m³ Water: 263.14 m³ Water: + 242.14
 ('+' new fluid)

ENTEST Corp.

CUSTOMER: PARAMOUNT

I. NAME: No. PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 16

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hr:min	Elapsed Time Deciml	Choke size mm	Tubing Press kPa	Casing Press kPa	Flow Temp °C	Static Press kPa	Diff Press kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ m ³	Fluid Volume m ³	Cats. No. HCat m ³	Cum. HCat m ³	H ₂ O m ³ /hr	Cum. H ₂ O m ³	BBQW %	P.H.	SAR ppm
			END																	
12/01/99	07:00			10750	500															
	08:00		SLICKLINE ON LOCATION TO RUN RECORDERS AND GRADIENT.																	
	13:30		SLICKLINE FINISHED.																	
	14:30	35.00	12.70	12050	400															
			OPEN TO FLOW WELL ON 32/64" (12.70mm) CHOKE.																	
	14:35	35.08		9900	400															
	14:37	35.11	SLUG OF FLUID TO SURFACE.																	
	14:40	35.18		10550	400															
	14:45	35.25		10400	400															
	15:00	35.50		10050	400	22	917	81.67	10	63.50	237.32	341.58	0.25	0.00	0.00	0.25	252.82	100	7	62,000
	15:15	35.75		9600	400	23														
	15:30	36.00		9300	250	21	827	76.19	7	63.50	219.69	350.92								
			USING SMALLER GAUGE IN CASING.																	
	16:00	36.50		8800	250	22	772	71.21	8	63.50	205.47	358.91	0.37	0.00	0.00	0.37	252.98	100	7	74,000
	16:30	37.00		8400	250	23	724	66.23	6	63.50	193.32	365.81								
	17:00	37.50		8050	250	23	680	63.25	4	63.50	185.82	371.98	0.38	0.00	0.00	0.38	253.38	100	7	78,000
	17:30	38.00		7750	250	24	655	59.76	5	63.50	176.02	377.42								
	18:00	38.50		7450	250	24	607	56.77	6	63.50	165.52	382.09	0.51	0.00	0.00	0.51	253.88	100	7	84,000
			H ₂ S BY GASTEC = 2000 PPM																	
	18:30	39.00		7250	TSTM	25	593	55.78	7	63.50	162.10	388.47								

ENTEST CORP.																				
CUSTOMER: PARAMOUNT										METER REF: 154.05 mm										
J. NAME: No. PARAMOUNT ET AL ARROWHEAD										GAS DENSITY: 0.85 Air = 1										
TYPE TEST:										UNIT NUMBER: 14										
COMPANY REP: BERT BLAMELY										SUPERVISOR: R. LUTZ										
FIELD OR AREA: ARROWHEAD																				
ZONE: SULFUR POINT																				
Date	Time	Elp. Test Time	Choke	Tubing	Control	Flow	Static	Oil	Water	Surface	Gas	Oil	Flow	Calc. H ₂ O	Calc. H ₂	H ₂ O	Calc. H ₂	BS&W	P.H.	S.M.
dd/mm/yyyy	hr:min	hr:min	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in
12/01/99	18:00	39.50	12.70	6750	TSTM	25	807	52.29	7	63.50	158.90	390.60	0.98	0.00	0.00	0.98	254.87	100	7	88,000
	18:30	40.00		6600	TSTM	26	579	50.30	8	63.50	152.39	384.32								
	20:00	40.50		6450	TSTM	26	552	48.31	9	63.50	148.01	387.85	0.90	0.00	0.00	0.90	255.77	100	7	104,000
	20:30	41.00		6220	TSTM	26	538	45.82	10	63.50	140.48	400.88								
	21:00	41.50		6050	TSTM	27	517	43.82	12	63.50	134.61	403.38	0.95	0.00	0.00	0.95	256.72	100	7	110,000
	21:30	42.00		5820	TSTM	27	489	40.84	14	63.50	124.24	405.98								
	22:00	42.58		5650	TSTM	27	414	36.95	17	63.50	111.51	407.12	1.55	0.00	0.00	1.55	258.27	100	7	120,000
	22:30	43.00		5550	TSTM	28	400	34.86	18	63.50	106.65	408.48								
	23:00	43.50		5450	TSTM	29	379	33.86	18	63.50	103.00	409.71	2.29	0.00	0.00	2.29	260.56	100	7	118,000
	23:30	44.00		5400	TSTM	29	365	32.87	18	63.50	99.88	410.84								
	00:00	44.50		5400	TSTM	29	359	32.37	18	63.50	98.40	411.94	2.58	0.00	0.00	2.58	263.14	100	7	118,000
H2O PRODUCED SINCE 14:30 = 10.77 M ³ .																				
GAS PRODUCED SINCE 14:30 = 81.47 10 ³ M ³ .																				
TOTAL H2O PRODUCED = 283.14 M ³ .																				
TOTAL GAS PRODUCED = 411.94 10 ³ M ³ .																				
13/01/99	00:30	45.00	12.70	5350	TSTM	30	359	32.37	20	63.50	98.23	413.08								
	01:00	45.50		5350	TSTM	30	345	31.87	22	63.50	95.59	414.15	2.34	0.00	0.00	2.34	265.48	100	7	118,000
	01:30	46.00		5350	TSTM	31	345	31.82	22	63.50	95.23	415.24								
	02:00	46.50		5350	TSTM	32	345	31.13	23	63.50	94.36	418.34	2.75	0.00	0.00	2.75	268.23	100	7	119,000
	02:30	47.00		5350	TSTM	32	345	30.88	23	63.50	94.00	417.46								
	03:00	47.50		5300	TSTM	32	345	30.88	23	63.50	94.00	418.61	3.07	0.00	0.00	3.07	271.30	100	7	120,000

[illegible]

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 99/01/11 REPORT NO: 32
 LOCATION: N-65 CONTRACTOR: CENALTA RIG # 42
 TD (mKB): 2925.0 PBD (mKB): 2631.5 Csg Size (mm): 139.7 AFE # 27678
 FORMATION: SULFUR POINT Perforations: 2614-1615 & 2625.5-2630
 PURPOSE: COMPLETE SULFURPOINT GAS WELL
 WELLHEAD PRESSURES @08:00 hrs: SITP: _____ kPa SICP: _____ 0 kPa
 CURRENT OPERATIONS @08:00 hrs: RUN RECORDERS

FROM	TO	PREVIOUS DAYS OPERATIONS	
		SITP: 4750 kPa	SICP: 700 kPa
00:00		CONTINUE FLOWING WELL ON 19.05mm CHOKE TO ENTEST UNIT	
		FLOWED WELL UNTIL ALL STORAGE TANKS FULL	
		DAILY FLUID RECOVERED = 91.05m ³	
		TOTAL FLUID RECOVERED = 252.37m ³	
		NEW FLUID ABOVE LOAD = 231.37m ³	
16:00		WELL AVERAGED 5.6m ³ FLUID PER HOUR AND RATE SLOWLY DROPPING	
		FINAL GAS RATE AT 109/10/3/M/3 / DAY	
16:05		3450 KPA	
16:10		3700 KPA	
16:15		4800 KPA	
16:30		5600 KPA	
16:45		6450 KPA	
17:00		7200 KPA	
18:00		7570 KPA	
19:00		8000 KPA	
20:00		8800 KPA	

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,263.00	TESTERS	\$1,600.00	DAILY COST	\$15,173.00
SUPERVISION	\$745.00	TOOLHAND	\$600.00	PREVIOUS	\$805,820.00
RENTALS	\$532.00	FUEL	\$2,240.00	COST TO DATE	\$820,993.00
CAMP	\$2,500.00	FUEL HAUL	\$383.00	AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00	DISP H2O/TNK TRK	\$1,560.00		

RIG HOURS: 10 MOBILE: 1-600-700-5162 PREPARED BY: BERT BLAKELY
 CUM RIG HRS: 360.5 AREA: FT. LIARD N.W.T. RECEIVED BY: WAYNE TOMM

LOAD FLUID

Total Load Fluid: Oil: _____ m³ Water: 21.0 m³
 Daily Recovery: Oil: _____ m³ Water: 91.05 m³
 Recovered to Date: Oil: _____ m³ Water: 252.37 m³
 Load to Recover: Oil: _____ m³ Water: + 231.37 m³
 (*+ new fluid)

ENTEST Corp.

CUSTOMER: PARAMOUNT

J. NAME / No: PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R LUTZ

Date dd/mm/yy	Time h:mm	Eps flow Time Decimal	Choke size cvs	Tubing Press kPa	Casing Press kPa	Flow Temp °C	Static Press kPa	Diff Press kPa	Meter Temp °C	Drift Slip mm	Gas Rate LO/Min	Cum. Gas 10PM	Flare Volume M ³ 7hr	Calc. Inc. HC/hr B	Cum HC M ³	H ₂ O MG/HR	Cum H ₂ O MP	BS&W %	P.H.	SAL ppm
11/01/99	06:30	25.50	19.05	4250	600	38	614	38.88	32	63.50	118.55	187.95								
	07:00	26.00		4250	600	38	614	38.88	32	63.50	118.55	170.42	5.75	0.00	0.00	5.75	204.83	100	7	128,000
	07:30	26.50		4300	600	38	593	30.38	33	63.50	115.61	172.83								
	08:00	27.00		4300	600	38	607	30.38	33	63.50	116.82	175.26	5.75	0.00	0.00	5.75	210.38	100	7	129,000
	08:30	27.50		4300	600	38	607	30.88	33	63.50	117.75	177.71								
	09:00	28.00		4200	600	38	593	30.38	33	63.50	115.81	180.12	5.41	0.00	0.00	5.41	215.79	100	7	128,000
	09:30	28.50		4100	550	38	593	30.38	33	63.50	115.61	182.53								
	10:00	29.00		4000	550	38	565	29.88	33	63.50	112.24	184.87	5.81	0.00	0.00	5.81	221.60	100	7	122,000
	10:30	29.50		3900	550	39	565	29.88	32	63.50	112.43	187.21								
	11:00	30.00		4000	550	38	579	28.38	32	63.50	112.73	188.56	5.05	0.00	0.00	5.05	226.85	100	7	122,000
	11:30	30.50		3800	550	39	572	29.38	32	63.50	112.12	191.90								
	12:00	31.00		4300	550	39	565	29.38	33	63.50	111.33	194.22	5.61	0.00	0.00	5.61	232.26	100	7	123,000
	12:30	31.50		4400	550	38	565	28.88	34	63.50	110.22	196.51								
	13:00	32.00		4050	550	39	565	29.38	34	63.50	111.14	198.83	5.18	0.00	0.00	5.18	237.44	100	7	122,000
	13:30	32.50		3850	500	41	565	28.88	33	63.50	110.40	201.13								
	14:00	33.00		3900	500	41	565	29.38	33	63.50	111.33	203.45	4.87	0.00	0.00	4.87	242.31	100	7	122,000
	14:30	33.50		3700	500	41	565	28.88	32	63.50	110.58	205.75								
	15:00	34.00		3550	500	41	565	29.83	33	63.50	111.78	208.08	4.95	0.00	0.00	4.95	247.26	100	7	121,000
	15:30	34.50		3800	450	41	552	28.88	34	63.50	108.08	210.35								
	16:00	35.00		3600	450	41	552	28.88	35	63.50	108.81	212.62	5.11	0.00	0.00	5.11	252.37	100	7	122,000
SHUT IN. RECORD BUILD-UPS.																				

[illegible]

PARAMOUNT RESOURCES LTD.

PHB 00

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 99/01/10 REPORT NO: 31
 LOCATION: N 65 CONTRACTOR: CENALTA RIG # 42
 TD (mKB): 2925.0 PRTD (mKB): 2631.5 Csg Size (mm) 139.7 AFE # 22678
 INFORMATION: SULFUR POINT Perforations 2614-2615 & 2630-2632.5
 PURPOSE: COMPLETE AS SULFUR POINT GAS WELL
 WELLHEAD PRESSURES @08.00 hrs SITP: 4750 kPa SICP: 800 kPa
 CURRENT OPERATIONS @08.00 hrs: FLOW TEST

FROM	TO	PREVIOUS DAYS OPERATIONS	
		SITP	SICP
08.00		15500 kPa	15500 kPa
		WAIT ON TANK TRUCKS / SPOT 3rd 400 / HAUL OUT H2O	
		SITP AT 15500 KPA	
15.00		FLOW WELL TO ENTEST ON 19.05mm CHOKE	
		FLOWED TWO HOURS BEFORE FLARE WOULD LIGHT AND ALSO PRODUCING H2O	
		DAILY FLUID RECOVERED = 50.23	
		TOTAL FLUID RECOVERED = 161.32m3	
		NEW FLUID ABOVE LOAD = 140.32m3	
00.00		WELL AVERAGES 6.75m3 FLUID per hour / GAS RATE AT +/-126 10^-3M^3 per day	

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,188.00	FOOT HAND	\$600.00	DAILY COST	\$20,900.00
SUPERVISION	\$745.00	H2O DISP/TNK TRKS	\$7,200.00	PREVIOUS	\$784,920.00
RENTALS	\$527.00	TESTERS	\$3,000.00	COST TO DATE	\$805,820.00
CAMP	\$2,500.00	TNK TRK	\$760.00	AFE AMOUNT	\$1,085,548.00
	\$750.00	BEO TRK	\$630.00		

RIG HOURS 10 MOBILE 1-800-700-5162 PREPARED BY BERT BLAKELY
 CUM RIG HRS AREA FT. LIARD N.W.T. RECEIVED BY WAYNE TOMM

LOAD FLUID

Total Load Fluid: Daily Recovery: Recovered to Date: Load to Recover
 Oil: 21.0 m³ Oil: 50.23 m³ Oil: 161.32 m³ Oil: 141.3
 Water: 21.0 m³ Water: 50.23 m³ Water: 161.32 m³ Water: 141.3
 ('+' new fluid)

CUSTOMER: PARAMOUNT

WELL NAME: No. PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD N-65

ZONE: SULFUR POINT

METER R/N: 154.05 mm

GAS DENSITY: 0.95 Air = 1

UNIT NUMBER: 10

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ M ³ /day	Cum. Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc. Inc. MC/hr M ³	Cum MC M ³	Calc. Inc H ₂ O/hr M ³	Cum H ₂ O M ³	GS&W %	P.H.	SAL ppm
10/01/99	07:00	WAITING FOR TANK TRUCKS AND ANOTHER 400 BBL TO FLOW.																		
	15:00	10.00	19.05	15550	840															
	15:05	10.06		10000	840															
	15:10	10.16		9600	840															
	15:30	10.50		8400	840															
METER IN SERVICE. 2.50"(63.50mm) ORIFICE PLATE.																				
	15:45	10.75		8250	900	18										TSTM	111.09			
	16:00	11.00		7650	900	18	1724	61.67	0	63.50	332.49	76.71				1.09	112.18	100	7	120,000
	16:30	11.50		6850	900	20	1517	71.71	2	63.50	291.09	61.06								
	17:00	12.00		5800	950	22	1069	51.79	7	63.50	206.72	84.85				2.44	114.62	100	7	120,000
NOW MAKING SUBSTANTIAL H ₂ O. FLARE STAYING LIT.																				
	17:30	12.50		5600	950	24	896	44.62	13	63.50	174.89	88.42								
	18:00	13.00		5400	950	25	786	39.34	19	63.50	152.73	91.83				5.91	120.53	100	7	130,000
	18:30	13.50		5200	950	28	745	36.85	21	63.50	143.81	95.17								
	19:00	14.00		5200	950	30	703	35.66	24	63.50	137.44	98.44				6.64	127.17	100	7	130,000
	19:30	14.50		5000	950	32	690	35.36	24	63.50	135.30	101.69								
	20:00	15.00		6000	950	33	690	34.86	25	63.50	134.18	104.91				7.15	134.32	100	7	126,000
	20:30	15.50		5000	950	35	690	34.36	26	63.50	133.00	108.12								
	21:00	16.00		4950	900	36	690	34.11	27	63.50	132.30	111.30				6.93	141.25	100	7	128,000
	21:10	16.50		4950	900	37	669	33.86	28	63.50	129.76	114.46								
	22:00	17.00		4950	900	34	661	33.86	28	63.50	129.05	117.60				6.70	147.95	100	7	128,000

CUSTOMER: PARAMOUNT

METER S/N: 154.05 mm

L NAME: No. PARAMOUNT BERKLEY ARROWHEAD

GAS DENSITY: 0.85 Air = 1

TYPE TEST:

UNIT NUMBER: 14

COMPANY REP: BERT BLAKEY

SUPERVISOR: ALUTZ

FIELD OR AREA: ARROWHEAD N-65

ZONE: SULFUR POINT

Date dd/mm/yy	Time h:mm	Elbow Flow Time Decimals	Choke Size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ MP/day	Cum. Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc. Inc. HC/hr MP	Cum HC MP	Calc. Inc H ₂ O/hr MP	Cum H ₂ O MP	BS&W %	P.H.	SAL ppm
10/01/99	22:30	17.50	19.05	4750	900	35	655	33.86	29	63.50	128.30	120.72								
	23:00	18.00		4750	800	36	655	33.37	30	63.50	127.17	123.81				6.75	154.70	100	7	127,000
	23:30	18.50		4750	800	36	648	33.37	31	63.50	126.34	126.89								
11/01/99	00:00	19.00		4750	800	37	641	33.62	31	63.50	126.18	129.96				6.82	161.32	100	7	130,000
	00:30	19.50		4700	800	37	634	32.87	32	63.50	123.97	133.00								
	01:00	20.00		4650	700	37	634	32.87	32	63.50	123.97	136.02				6.04	167.36	100	7	126,000
	01:30	20.50		4600	700	37	627	32.37	31	63.50	122.65	139.02								
	02:00	21.00		4600	700	37	627	32.37	31	63.50	122.65	142.02				6.58	173.94	100	7	126,000
	02:30	21.50		4550	650	37	621	32.37	31	63.50	122.12	144.99								
	03:00	22.00		4500	650	38	621	32.12	32	63.50	121.46	147.95				6.27	180.21	100	7	128,000
	03:30	22.50		4500	650	39	621	31.87	32	63.50	120.79	150.90								
	04:00	23.00		4400	650	39	621	31.87	32	63.50	121.00	153.83				6.30	186.51	100	7	128,000
	04:30	23.50		4400	650	39	621	31.87	32	63.50	121.00	156.75								
	05:00	24.00		4400	650	39	621	31.63	32	63.50	120.55	159.68				6.15	192.68	100	7	130,000
	05:30	24.50		4350	650	38	621	31.63	32	63.50	120.55	162.58								
	06:00	25.00		4250	600	38	621	31.63	32	63.50	120.55	165.48				6.22	198.68	100	7	128,000

H₂O PRODUCED SINCE 15:00 hrs = 87.79 M³.GAS PRODUCED SINCE 15:00 hrs = 98.73 10³M³.FLUID PRODUCED SINCE ACID SQUEEZE = 198.88 M³CUMM. GAS SINCE SQUEEZE = 165.48 10³ M³

94%

403 266 6032

JAN-11-1999 15:28

P.04

17:19 01/09/99

PAGE 02

PARAMOUNT RESOURCES LTD.

ACID WASH AND SQUEEZE

WELL NAME	PARAMOUNT BERKLEY ARROWHEAD N 65	DATE	09/01/99
LOCATION	N 65		
COMPANY	NOVSCO WELL SERVICE LTD		
Type and Size of Treatment	8.25 m3 NITROGEN 10% HCL PARACLEAN ACID SQUEEZE		
Formation	SULPHUR POINT		
Completion Intervals	2614.0 - 2615.0 & 2620.5 - 2630.0		
Subsurface Equipment	139.7 mm CARDIUM DOUBLE GRIP PACKER		
Treatment Started at	1345 HRS 99 01 09		
Number of Stages and Volume/Stage	8.25m3 ACID WITH 100 m3 NITROGEN / m3 ACID		
Initial Backpressure and Final Backpressure	12 000 KPA AND 14 000 KPA		
Breakdown Pressure	132 000 KPA		
Average Feed Rate and Pressure	1m3 PER MINUTE @ 10 000 KPA		
Type and Amount of Fluids used	12.5 m3 OF FRESH WATER		
Treatment Completed at	1323 HRS 99 01 09		
ISIP	6 000 kPa	15 min. S.I.P.	kPa
Circulating Fluid Used	WELL WAS DRY PRIOR TO SIMULATION		
Fluid Lost to Formation	8.5 m ³	Fluid Recovered	0.0 m ³
Fluid Left to Recover	20.5 m ³	New Production	0.0 m ³
Flow Back Rate		Pressure	kPa
Additives	AL-275 @ 25.0 l/m3		
	DS-500 @ 10.0 KG/m3		
	IF-350 @ 30.0 l/m3		
	NF-5 @ 20.0 l/m3		
Remarks	FLOW BACK RATES WILL FOLLOW		

CUSTOMER: PARAMOUNT												METER RUN: 154.05 mm	
WELL NAME: N-6 PARAMOUNT BERKLEY ARROWHEAD												GAS DENSITY: 0.65 Air = 1	
TYPE TEST:												UNIT NUMBER: 14	
COMPANY REP: BERT BLAKELY												SUPERVISOR: R LUTZ	
FIELD OR AREA: ARROWHEAD N-65													
ZONE: SULFUR POINT													

Date dd/mm/yyyy	Time hh:mm	Flow Time Decimal	Choke Size mm	Tubing Press kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ M ³ /day	Cum Gas 10 ³ M ³	Fluid Volume M ³ / hr	Calc. Inc. M ³ /hr MP	Cum MC MP	Calc. Inc. H ₂ O M ³ MP	Cum H ₂ O M ³	BS&V %	P.H.	SAL ppm
	16:30	2.75	26.93	3500	500	24	745	43.33	20	63.50	155.82	19.32								
	17:00	3.26		3500	4000	27	690	38.84	24	63.50	141.64	22.80				11.95	40.77	100	6	85,700
	17:30	3.75		3500	5400	30	758	42.08	26	63.50	153.22	26.22								
	18:00	4.25		3400	7200	33	758	41.33	29	63.50	151.10	29.66				10.43	51.20	100	6	91,000
BLEED DOWN CASING TO RIG TANK																				
	18:30	4.75		3400	1500	33	724	39.84	30	63.50	145.07	33.08								
	19:00	5.25		3400	2000	33	758	42.08	33	63.50	161.37	36.50				10.54	61.74	100	6	89,300
	19:30	5.75		3400	2600	35	758	42.83	38	63.50	151.37	39.91								
	20:00	6.25		3400	2800	35	758	42.83	40	63.50	150.87	43.31				10.68	72.42	100	6	94,600
	20:30	6.75		3350	2900	37	758	42.83	40	63.50	150.87	46.71								
	21:00	7.25		3350	2900	37	758	43.33	43	63.50	150.96	50.09				10.81	83.23	100	6	92,800
	21:30	7.75		3350	2700	38	758	43.58	44	63.50	151.13	53.47								
	22:00	8.25		3330	2500	38	758	43.33	44	63.50	150.71	56.84				10.51	93.74	100	6	92,800
	22:30	8.75		3330	2500	38	758	43.58	44	63.50	151.13	60.21				6.02	99.76	100	6	91,000
SHUT WELL IN AS DIRECTED.																				
	22:35		OPEN WELL AS DIRECTED.																	
	23:00	9.25		3350	1500	39	827	45.82	46	63.50	160.72	63.62				5.00	104.76	100	6	92,800
	23:30	9.75		3450	12000	40	779	44.07	46	63.50	153.38	66.99								
	23:45	10.00	SHUT WELL IN AS DIRECTED.																	
FLUID PRODUCED SINCE WELL OPENED = 111.09 M ³ .																				
TOTAL GAS PRODUCED SINCE WELL OPENED = 66.75 10 ³ M ³ .																				

JAN-11-1999 12:00

403 266 6032

94%

P.32

01/11/99 MON 11:54 FAX 403 266 6032

0032

CUSTOMER: PARAMOUNT

WELL NAME: M. PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD N-65

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Elps Row Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Drift Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10MPH/day	Cum. Gas 10MP	Fluid Volume M ³ /hr	Calc. Inc. HC/hr MP	Cum HC MP	Calc. Inc H ₂ O/hr MP	Cum H ₂ O MP	BS&W %	P.H.	GAL ppm
09/01/99			PREPARING TO ACIDIZE PERFS. 2625.5-2630, 2614-2615 mKB									0.00			0.00	0.00				
	12:00		HOLD SAFETY MEETING.																	
	13:30		FINISHED ACID SQUEEZE.																	
			LOAD TO RECOVER = 21.00 MJ																	
	13:45	0.00	19.05	7000																
			OPEN UP TO FLOW ON 48/64"(19.05mm) CHOKE.																	
	13:50	0.06		2600																
			FLUID AT SURFACE.																	
	13:55	0.16		2650																
	14:00	0.25	26.93	2650												5.54	5.54			
			OPEN CHOKES TO 1.06"(26.93mm)																	
	14:15	0.50		6600												4.99	10.53	100	6	ACID
			N2 AT SURFACE.																	
	14:30	0.75		5900																
	14:45	1.00		4550	14300															
			BLEEDING DOWN CASING TO RIG TANK.																	
	15:00	1.25		4050	4600	15										8.15	18.68	100	6	ACID
	15:15	1.50	BURNABLE GAS AT SURFACE.																	
	15:30	1.75		3750	8400	17	876	49.30	15	63.50	180.62	12.31								
	16:00	2.25		3600	12250	21	814	45.82	17	63.50	167.77	15.83				10.14	28.82	100	6	85,700
			BLEEDING OFF CASING TO RIG TANK.																	

JAN-11-1999 12:01

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01/11/99 MON 11:54 FAX 403 266 8032

0033

13:57 01/11/99

005

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME: PARAMOUNT BUCKLEY ARROWHEAD DATE: 99/01/08 REPORT NO: 29
 LOCATION: N 765 CONTRACTOR: GENALTA RIG # 42
 TD (mKB): 2659.0 FBTD (mKB): 2631.5 Csg Size (mm): 139.7 AFE # 47578
 FORMATION: SULPHUR POINT Perforations: 2614.0 - 1615.0 & 2630.0 - 2632.5
 PURPOSE: COMPLETE AS A SULPHUR POINT GAS WELL
 WELL HEAD PRESSURES @ 2608.00 hrs SITP: 11800 kPa SICP: 22 kPa
 CURRENT OPERATIONS @ 2608.00 hrs RIG IN TO CONDUCT AN ACID SQUEEZE

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP 13800 kPa SICP 300 kPa
7:30	7:45	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS.
7:45	8:45	RIG IN TESTERS & BLEED OFF TBG. PRESSURE & CSG. PRESSURE TO TESTERS.
8:45	9:30	RIG IN PUMP LINES & PUMP 10.0m3. OF KILL FLUID DOWN TBG.
9:30	10:30	DISCONNECT FROM ON-OFF CONNECTOR, ALLOW WELL TO STABILIZE (U-TUBING)
10:30	11:30	HOIST TBG. & ADD 0.90m. PUP JOINT, LATCH BACK ONTO PACKER & LAND DOG NUT, PACKER NOW IN 15,000 DaN. COMPRESSION, FILL ANNULUS WITH 10.0m3. FLUID AND
11:30	13:30	PRESSURE TEST PACKER & ON-OFF CONNECTOR TO 10 MPA. FOR 10 MINUTES, GOOD TEST.
13:30	14:00	RE INSTALL WELL HEAD ON TOP OF TBG. & B.O.P.s. - RIG UP TO SWAB TBG. DRY.
		PULLED 12 SWABS & RECOVERED 10.0m3. OF LOAD FLUID, LAST TWO SWABS DRY.
	16:00	SECURE WELL & S.D.F.N. @ 1830 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,397.00	TESTERS	\$600.00	DAILY COST	\$11,085.00
SUPERVISION	\$745.00	TOOL HAND	\$600.00	PREVIOUS	\$706,803.00
RENTALS	\$193.00			COST TO DATE	\$717,888.00
CAMP	\$2,500.00			AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS: 11 MOBILE 1-600-700-5162 PREPARED BY: AL IRONSIDE
 CUM RIG HRS: 64 AREA FT. LIARD, N.W.T. RECEIVED BY: WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date:	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 83.9 m ³	Water 19 m ³	Water 27.82 m ³	Water 56.1
			(+ new fluid)

PARAMOUNT RESOURCES LTD.

SWAB REPORT

Wdr. Name & Location	PARAMOUNT BERKLEY ARROWHEAD N-65	Tank Code	Date
Lead Fuel to Recover	m3 G. 28 m3 Water	Recovered to Date	10 m3 Water
Latent Recover	m3 G. 28 m3 Water		

[illegible]

Company: PARAMOUNT RESOURCES LTD.
Well name: PARAMOUNT ARROWHEAD BERKLEY
Location: N-65
Date of test: 1999 01 01 - 01 03
Test by TRI-ALFA BEWS SERVICES
Interp. by Cal-Scan Services Ltd.

TRI-ALTA BEWS SERVICES

SUMMARY

Company: PARAMOUNT RESOURCES LTD.
Date of test: 1999 01 01 - 01 03

Well name: PARAMOUNT ARROWHEAD BEKKLE
Location: N-65

JAN 01-12:35
JAN 01-13:00
JAN 01-17:00
JAN 01-21:00
JAN 01-21:45
JAN 02-00:00
JAN 02-04:00
JAN 02-10:00
JAN 02-14:00
JAN 03-08:39

ON BOTTOM
OPEN WELL
SHUT IN
OPEN WELL
SHUT IN
OPEN WELL
SHUT IN
OPEN WELL
SHUT IN
OFF BOTTOM

Remarks:

Interpretation by CAL-SCAN SERVICES LTD.

TRI-ALTA BEWS SERVICES

Subsurface Pressure Measurements

Company: PARAMOUNT RESOURCES LTD.
 Address: CALGARY, ALBERTA
 Field & Pool: BERKLEY/SULPHUR POINT
 Type of test: FLOW AND BUILD UP
 Prod. Int CF: 2607.7 to 2631.2
 Elev. (CF) (K2)
 Pool datum:

Well name: PARAMOUNT ARROWHEAD BERKLEY
 Location: N-65
 Status: GAS
 Date of test: 1999 01 01 - 01 03
 Prod. through: 89MM TUBING
 Mid-point prod.int. CF: 2619.45
 Datum depth of well CF:

Tubing pres: 17130 kpag
 Casing pres: N/A
 Temperature at run depth: 158.0 C

Shut in time: 1998 01 02 1400
 On/off btm: 5:00-01 03-0839:00
 Surface temperature:

Note: All units in metric, depth in meters cf; pressure in KPAG

TOP RECORDER

Element serial#: 22437
 Pressure Range: 0 to 37577
 Cal. equation: 738.6 * DEFL -3.2
 Latest calibration: 10-22-98
 Clock range: 180 HOUR
 Run depth (CF): 2595.2

BOTTOM RECORDER

Element serial#: 22436
 Pressure range: 0 to 37750
 Cal. equation: 741.5 * DEFL +15.3
 Latest calibration: 10-22-98
 Clock range: 180 HOUR
 Run depth (CF): 2597

TOP RECORDER

BOTTOM RECORDER

COMMENT REAL TIME	DELTA TIME HOURS	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT
JAN 01-12:35	0.00	29.775	21973.4		29.630	21978.7	
ON BOTTOM	0.42	29.775	21973.4		29.630	21978.7	
JAN 01-13:00	0.00	29.775	21973.4		29.630	21978.7	
OPEN WELL	0.25	28.895	21322.2		28.575	21196.6	
13:30	0.50	28.410	20963.4		28.160	20889.0	
13:45	0.75	27.970	20637.9		27.660	20518.7	
14:00	1.00	27.400	20217.3		27.265	20226.4	
14:15	1.25	27.045	19955.4		26.850	19919.3	
14:30	1.50	26.695	19697.1		26.560	19704.7	
14:45	1.75	26.420	19494.2		26.245	19471.6	
15:00	2.00	26.065	19232.2		25.980	19275.5	
15:15	2.25	25.820	19051.5		25.755	19109.1	
15:30	2.50	25.550	18852.2		25.415	18857.5	
15:45	2.75	25.270	18645.6		25.235	18724.3	
16:00	3.00	25.110	18527.6		25.060	18594.8	
16:15	3.25	24.980	18431.6		24.925	18494.9	
16:30	3.50	24.870	18350.5		24.810	18409.8	
16:45	3.75	24.845	18332.0		24.720	18343.2	
17:00	4.00	24.810	18306.2		24.690	18321.0	
JAN 01-17:00	0.00	24.810	18306.2		24.690	18321.0	
SHUT IN	0.25	25.505	18819.0		25.455	18887.1	
17:30	0.50	25.900	19110.5		25.860	19186.8	

TRI-ALTA BEWS SERVICES

Company: PARAMOUNT RESOURCES LTD.
Date of test: 1999 01 01 - 01 03

Well name: PARAMOUNT ARROWHEAD BERKLEY
Location: N-65

TOP RECORDER

Element serial#: 22437
Run Depth (CF): 2595.2

BOTTOM RECORDER

Element serial#: 22436
Run depth (CF): 2597

COMMENT REAL TIME	DELTA TIME HOURS	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT
17:45	0.75	25.265	19379.8		26.225	19456.8	
18:00	1.00	26.600	19627.0		26.505	19664.0	
18:15	1.25	26.860	19818.9		26.775	19863.8	
18:30	1.50	27.075	19977.5		27.020	20045.1	
18:45	1.75	27.290	20136.2		27.185	20167.2	
19:00	2.00	27.430	20239.5		27.345	20285.6	
19:15	2.25	27.630	20387.0		27.520	20415.1	
19:30	2.50	27.745	20471.9		27.620	20489.1	
19:45	2.75	27.875	20567.8		27.750	20585.2	
20:00	3.00	27.960	20630.5		27.865	20670.3	
20:15	3.25	28.060	20704.4		27.940	20725.9	
20:30	3.50	28.140	20763.6		28.035	20796.3	
20:45	3.75	28.245	20841.3		28.100	20844.5	
21:00	4.00	28.290	20874.6		28.155	20885.3	
JAN 01-21:00	0.00	28.290	20874.6		28.155	20885.3	
OPEN WELL	0.25	26.245	19365.1		26.230	19460.5	
21:30	0.50	25.270	18645.6		25.260	18742.8	
21:45	0.75	25.390	18734.2		25.425	18864.9	
JAN 01-21:45	0.00	25.395	18737.9		25.425	18864.9	
SHUT IN	0.25	26.070	19235.9		25.985	19279.2	
22:15	0.50	26.405	19483.1		26.365	19560.4	
22:30	0.75	26.690	19693.4		26.660	19778.7	
22:45	1.00	26.980	19907.4		26.915	19967.4	
23:00	1.25	27.200	20069.7		27.105	20108.0	
23:15	1.50	27.365	20191.5		27.285	20241.2	
23:30	1.75	27.505	20294.8		27.420	20341.1	
23:45	2.00	27.655	20405.5		27.525	20418.8	
00:00	2.25	27.730	20460.8		27.600	20474.3	
JAN 02-00:00	0.00	27.730	20460.8		27.600	20474.3	
OPEN WELL	0.25	25.880	19095.7		25.860	19186.8	
00:30	0.50	25.000	18446.4		24.950	18513.4	
00:45	0.75	24.265	17904.0		24.245	17991.7	
01:00	1.00	23.700	17487.1		23.725	17607.0	
01:15	1.25	23.530	17361.7		23.495	17436.8	
01:30	1.50	23.410	17273.2		23.280	17277.7	
01:45	1.75	22.855	16863.6		22.730	16870.7	
02:00	2.00	22.550	16638.6		22.490	16693.1	
02:15	2.25	22.325	16472.6		22.290	16545.2	
02:30	2.50	22.145	16339.7		22.065	16378.7	
02:45	2.75	22.020	16247.5		21.965	16304.7	
03:00	3.00	21.900	16158.9		21.865	16230.7	
03:15	3.25	21.780	16070.4		21.755	16149.3	
03:30	3.50	21.705	16015.1		21.670	16086.4	
03:45	3.75	21.600	15937.6		21.590	16027.2	
04:00	4.00	21.565	15911.8		21.535	15986.5	
JAN 02-04:00	0.00	21.565	15911.8		21.535	15986.5	

TRI-ALTA BEWS SERVICES

Company: PARAMOUNT RESOURCES LTD.
Date of test: 1999 01 01 - 01 03

Well name: PARAMOUNT ARROWHEAD BECKLE
Location: N-65

TOP RECORDER

Element serial#: 22437
Run Depth (CF): 2595.2

BOTTOM RECORDER

Element serial#: 22436
Run depth (CF): 2597

COMMENT REAL TIME	DELTA TIME HOURS	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT
SHUT IN	0.25	22.820	16837.8		22.780	16907.7	
04:30	0.50	23.225	17136.6		23.200	17218.5	
04:45	0.75	23.720	17501.9		23.575	17496.0	
05:00	1.00	24.065	17756.5		23.950	17773.5	
05:15	1.25	24.380	17988.9		24.245	17991.7	
05:30	1.50	24.650	18188.1		24.540	18210.0	
05:45	1.75	24.940	18402.1		24.795	18398.7	
06:00	2.00	25.145	18553.4		25.010	18557.8	
06:15	2.25	25.390	18734.2		25.220	18713.2	
06:30	2.50	25.585	18878.1		25.405	18850.1	
06:45	2.75	25.755	19003.5		25.595	18990.7	
07:00	3.00	25.910	19117.9		25.765	19116.5	
07:15	3.25	26.025	19202.7		25.890	19209.0	
07:30	3.50	26.120	19272.8		26.020	19305.1	
07:45	3.75	26.230	19354.0		26.140	19393.9	
08:00	4.00	26.350	19442.5		26.270	19490.1	
08:15	4.25	26.475	19534.8		26.345	19545.6	
08:30	4.50	26.530	19575.4		26.430	19608.5	
08:45	4.75	26.610	19634.4		26.490	19652.9	
09:00	5.00	26.670	19678.7		26.565	19708.4	
09:15	5.25	26.750	19737.7		26.610	19741.7	
09:30	5.50	26.795	19770.9		26.695	19804.6	
09:45	5.75	26.890	19841.0		26.765	19856.4	
10:00	6.00	26.945	19881.6		26.805	19886.0	
JAN 02-10:00	0.00	26.945	19881.6		26.805	19886.0	
OPEN WELL	0.25	21.195	17852.4		21.045	17843.8	
10:30	0.50	22.835	16848.9		22.725	16867.0	
10:45	0.75	21.280	15701.5		21.155	15705.3	
11:00	1.00	20.805	15351.0		20.800	15442.6	
11:15	1.25	20.665	15247.7		20.555	15261.3	
11:30	1.50	20.400	15052.1		20.290	15065.3	
11:45	1.75	20.150	14867.7		20.125	14943.2	
12:00	2.00	19.920	14697.9		19.930	14798.9	
12:15	2.25	19.770	14587.3		19.785	14691.6	
12:30	2.50	19.660	14506.1		19.630	14576.9	
12:45	2.75	19.600	14461.8		19.500	14480.7	
13:00	3.00	19.490	14380.6		19.420	14421.5	
13:15	3.25	19.400	14314.2		19.320	14347.5	
13:30	3.50	19.315	14251.5		19.240	14288.3	
13:45	3.75	19.200	14166.7		19.185	14247.6	
14:00	4.00	19.120	14107.6		19.100	14184.7	
JAN 02-14:00	0.00	19.120	14107.6		19.100	14184.7	
SHUT IN	0.25	20.715	15284.6		20.605	15298.3	
14:30	0.50	21.100	15568.6		21.030	15612.8	
14:45	0.75	21.580	15922.8		21.515	15971.7	
15:00	1.00	21.985	16221.7		21.930	16278.8	

TRI-ALTA BEWS SERVICES

Company: PARAMOUNT RESOURCES LTD.
Date of test: 1999 01 01 - 01 03

Well name: PARAMOUNT ARROWHEAD BEKLE
Location: N-65

TOP RECORDER

Element serial#: 22437
Run Depth (CF): 2595.2

BOTTOM RECORDER

Element serial#: 22436
Run depth (CF): 2597

COMMENT REAL TIME	DELTA TIME HOURS	DEFL. mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT
15:15	1.25	22.360	16498.4		22.280	16537.8	
15:30	1.50	22.665	16723.4		22.640	16804.1	
15:45	1.75	22.965	16944.8		22.880	16981.7	
16:00	2.00	23.230	17140.3		23.170	17196.3	
16:15	2.25	23.500	17339.6		23.430	17388.7	
16:30	2.50	23.720	17501.9		23.635	17540.4	
16:45	2.75	23.920	17649.5		23.830	17684.7	
17:00	3.00	24.135	17808.1		24.010	17817.9	
17:15	3.25	24.295	17926.2		24.170	17936.2	
17:30	3.50	24.450	18040.6		24.320	18047.2	
17:45	3.75	24.605	18154.9		24.465	18154.5	
18:00	4.00	24.735	18250.9		24.610	18261.8	
18:15	4.25	24.865	18346.8		24.740	18358.0	
18:30	4.50	24.970	18424.3		24.875	18457.9	
18:45	4.75	25.080	18505.4		24.960	18520.8	
19:00	5.00	25.190	18586.6		25.085	18613.3	
19:15	5.25	25.280	18653.0		25.175	18679.9	
19:30	5.50	25.360	18712.0		25.250	18735.4	
19:45	5.75	25.420	18756.3		25.330	18794.6	
20:00	6.00	25.490	18808.0		25.380	18831.6	
20:15	6.25	25.550	18852.2		25.460	18890.8	
20:30	6.50	25.630	18911.3		25.525	18938.9	
20:45	6.75	25.685	18951.8		25.565	18968.5	
21:00	7.00	25.735	18988.7		25.620	19009.2	
21:15	7.25	25.785	19025.6		25.685	19057.3	
21:30	7.50	25.830	19058.8		25.725	19086.9	
21:45	7.75	25.880	19095.7		25.760	19112.8	
22:00	8.00	25.920	19125.2		25.805	19146.1	
22:15	8.25	25.950	19147.4		25.845	19175.7	
22:30	8.50	25.990	19176.9		25.890	19209.0	
22:45	8.75	26.025	19202.7		25.925	19234.8	
23:00	9.00	26.060	19228.6		25.965	19264.4	
23:15	9.25	26.105	19261.8		26.010	19297.7	
23:30	9.50	26.135	19283.9		26.045	19323.6	
23:45	9.75	26.165	19306.0		26.070	19342.1	
00:00	10.00	26.190	19324.5		26.090	19356.9	
00:15	10.25	26.215	19342.9		26.110	19371.7	
00:30	10.50	26.240	19361.4		26.155	19405.0	
00:45	10.75	26.275	19387.2		26.180	19423.5	
01:00	11.00	26.315	19416.7		26.205	19442.0	
01:15	11.25	26.340	19435.2		26.230	19460.5	
01:30	11.50	26.370	19457.3		26.255	19479.0	
01:45	11.75	26.390	19472.1		26.280	19497.5	
02:00	12.00	26.410	19486.8		26.310	19519.7	
02:30	12.50	26.460	19523.7		26.360	19556.7	
03:00	13.00	26.500	19553.2		26.410	19593.7	

TRI-ALTA B EWS SERVICES

Company: PARAMOUNT RESOURCES LTD.
Date of test: 1999 01 01 - 01 03

Well name: PARAMOUNT ARROWHEAD BERKLE
Location: N-65

TOP RECORDER
Element serial#: 22437
Run Depth (CF): 2595.2

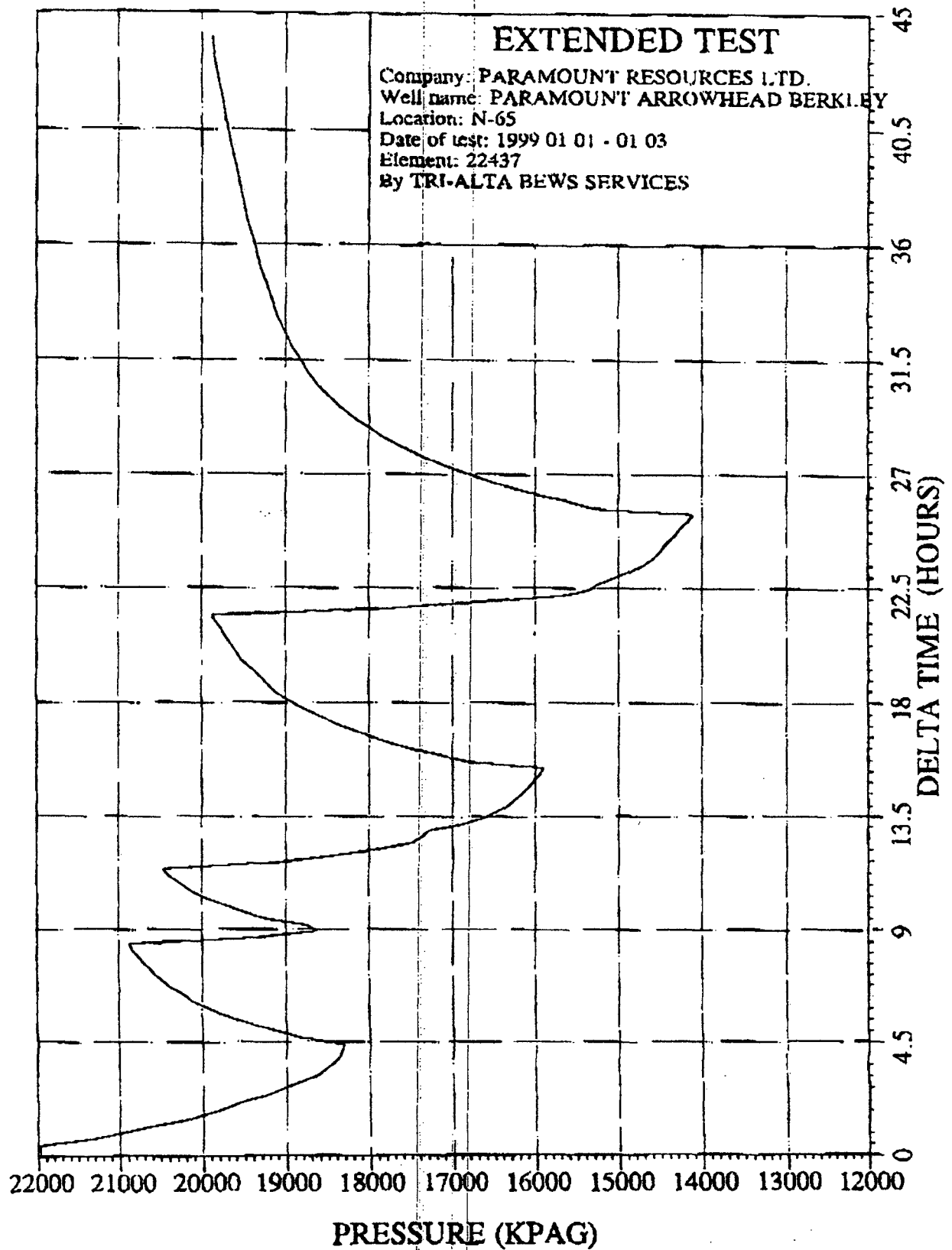
BOTTOM RECORDER
Element serial#: 22436
Run depth (CF): 2597

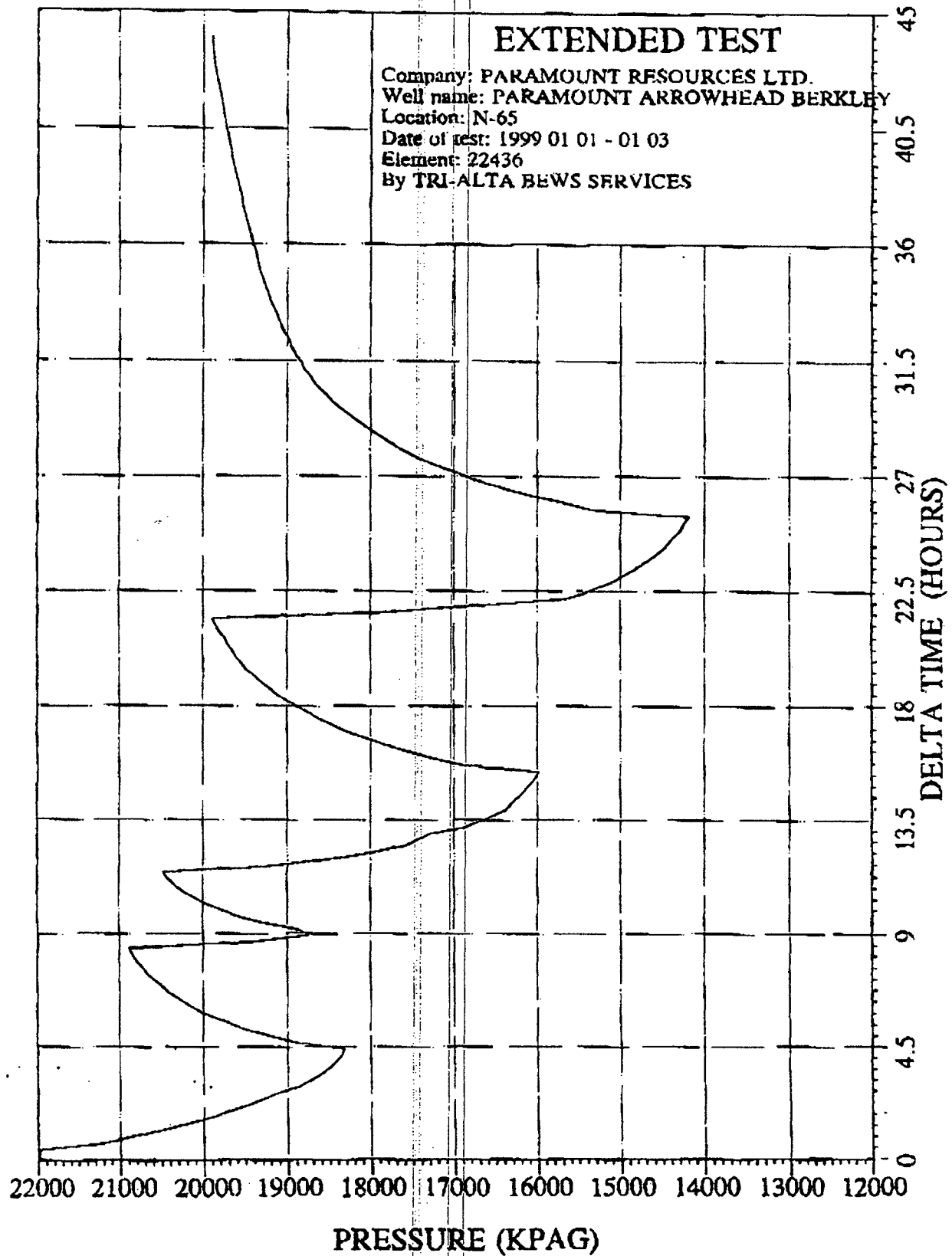
COMMENT REAL TIME	DELTA TIME HOURS	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT	DEFL mm	PRESSURE RUNDEPTH	PRESSURE MIDPNT
03:30	13.50	26.540	19582.7		26.460	19630.7	
04:00	14.00	26.590	19619.6		26.500	19660.3	
04:30	14.50	26.640	19656.5		26.540	19689.9	
05:00	15.00	26.680	19686.0		26.580	19719.5	
05:30	15.50	26.720	19715.6		26.620	19749.1	
06:00	16.00	26.760	19745.1		26.660	19778.7	
06:30	16.50	26.800	19774.6		26.700	19808.3	
07:00	17.00	26.840	19804.1		26.740	19837.9	
07:30	17.50	26.880	19833.6		26.775	19863.8	
08:00	18.00	26.920	19863.1		26.805	19886.0	
JAN 03-08:39	18.65	26.940	19877.9		26.820	19897.1	
OFF BOTTOM	0.00	26.940	19877.9		26.820	19897.1	

Remarks:

Test by: MILT

Interpretation by CAL-SCAN SERVICES LTD.





TRI-ALTA BEWS SERVICES

Subsurface Pressure Measurements

Company: PARAMOUNT RESOURCES LTD.
 Address: CALGARY, ALBERTA
 Field & Pool: BERKLEY/SULPHUR POINT
 Type of test: STATIC GRADIENT
 Prod. int. CF: 2607.7 to 2631.2
 Elev. (CF) (KB)
 Pool datum:

Tubing pres: 14800 KPAG
 Casing pres: N/A
 Temperature at run depth: 158.0 C

Well name: PARAMOUNT ARROWHEAD BEARLE
 Location: N-65
 Status: GAS
 Date of test: 1999 01 03
 Prod. through: 89MM TUBING
 Mid-point prod.int. CF: 2619.45
 Datum depth of well CF:

Shut in time: 1998 01 02 1400
 On bottom/off bottom: 1121:00-1127:00
 Surface temperature:

Note: All units in metric, depth in meters cf; pressure in KPAG

TOP RECORDER

Element serial#: 22437
 Pressure Range: 0 to 37577
 Cal. equation: 738.6 * DEFL -3.2
 Latest calibration: 10-22-98
 Clock range: 3 HOUR

Run depth (CF): 2595.2
 Grad. at run depth: 3.689
 Pres. at run depth: 19966.4
 Pres. at mid point perf.: 20055.9
 Pres. at datum depth:

Depth m	Defl mm	Pressure KPAG	Gradient KPAG/m
-1.8	20.070	14808.6	
-1.8	20.140	14860.3	
498.2	21.490	15856.4	1.992
998.2	22.700	16749.3	1.786
1498.2	23.770	17538.8	1.579
1998.2	24.750	18261.9	1.446
2498.2	26.510	19560.6	2.597
2535.2	26.750	19737.7	4.786
2565.2	26.910	19855.8	3.935
2595.2	27.060	19966.4	3.689

Fluid level at NONE
 Final surface flex: 15162.8 KPAG

Remarks:
 Gradient ran to bottom profile XN @ 2597.0 MCF.
 Hours Shut-In = 21.45.

BOTTOM RECORDER

Element serial#: 22436
 Pressure range: 0 to 37750
 Cal. equation: 741.5 * DEFL +15.5
 Latest calibration: 10-22-98
 Clock range: 3 HOUR

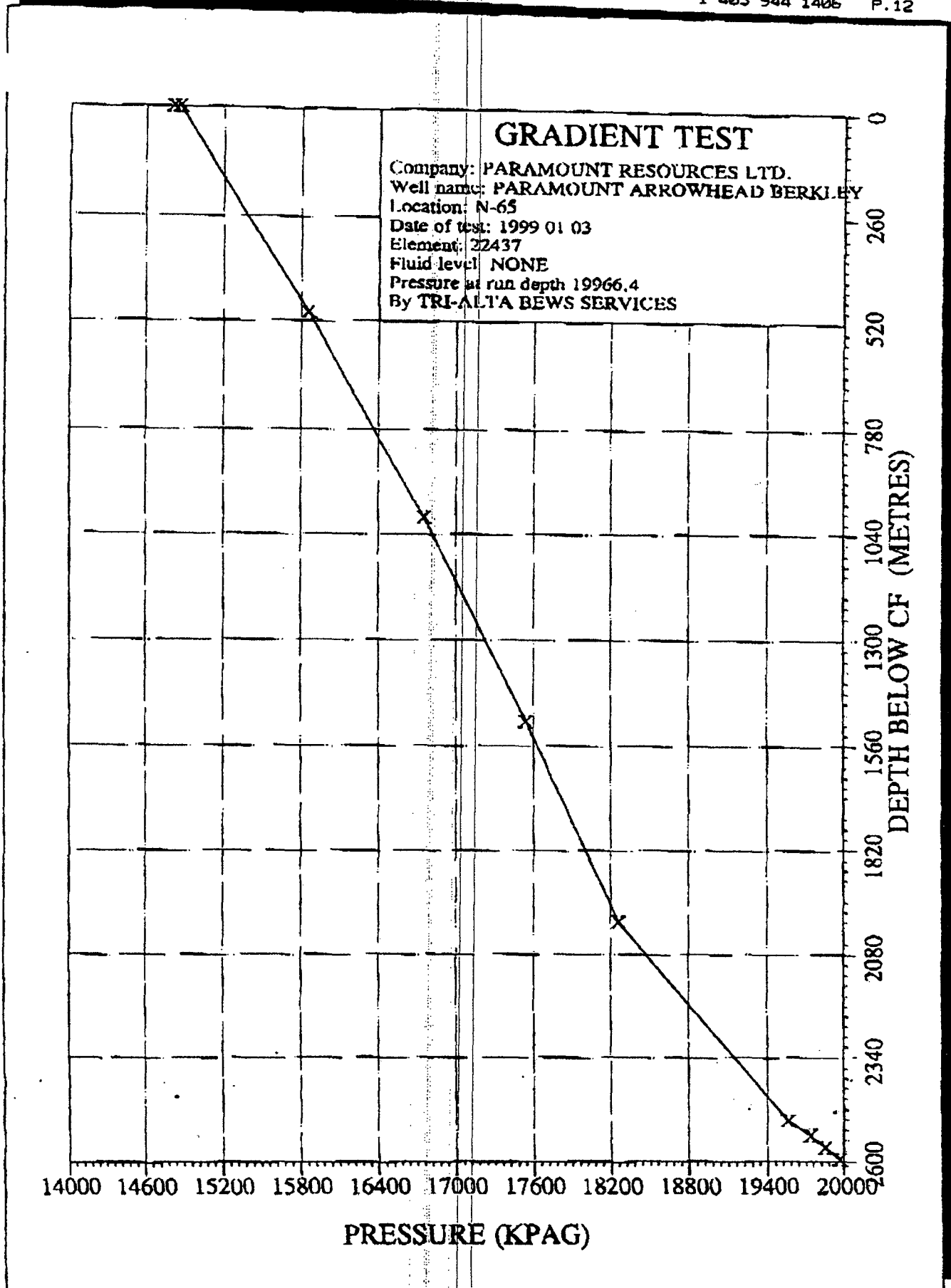
Run depth (CF): 2597
 Grad. at run depth: 4.070
 Pres. at run depth: 19997.0
 Pres. at mid point perf.: 20086.4
 Pres. at datum depth:

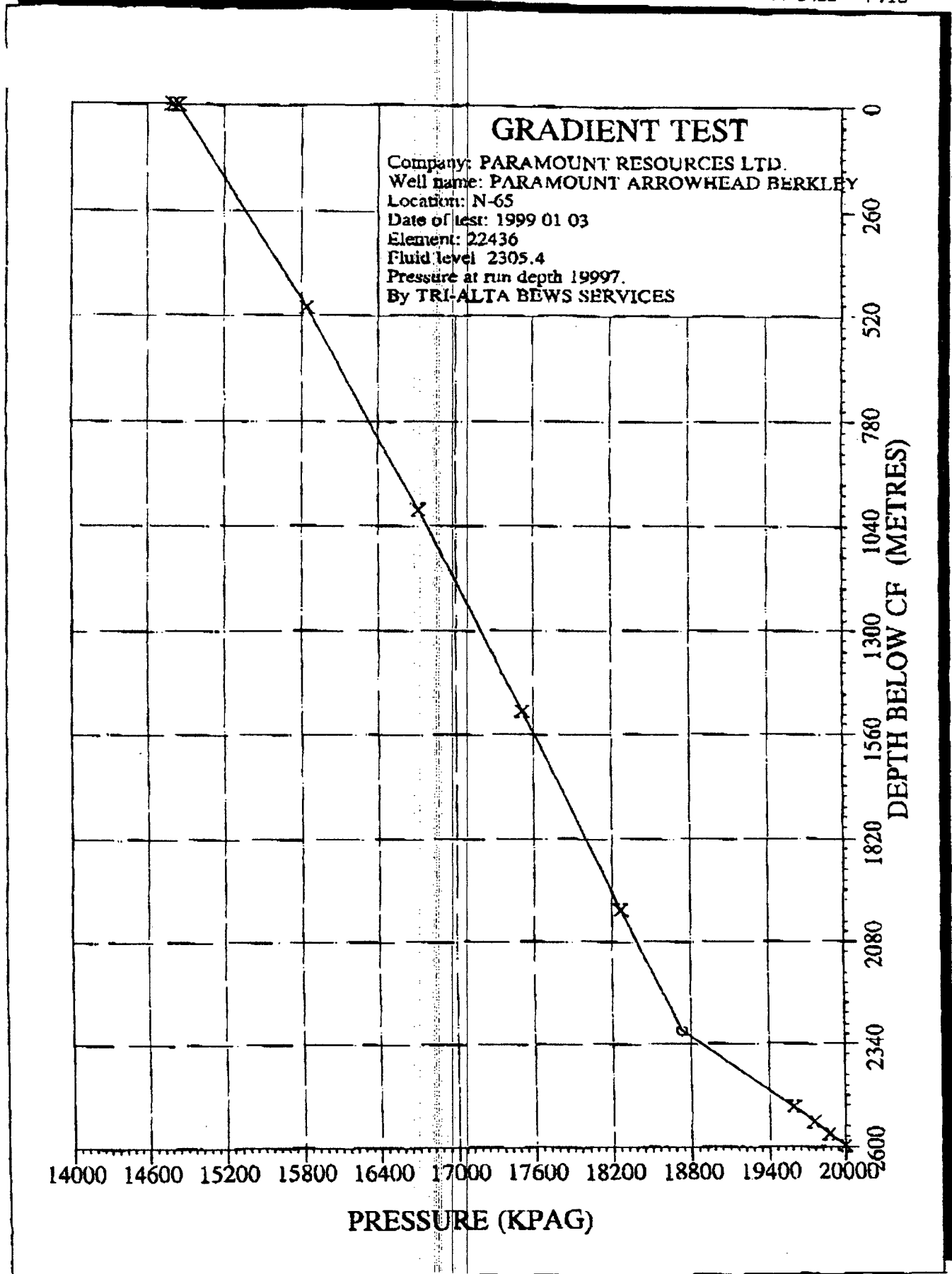
Depth m	Defl mm	Pressure KPAG	Gradient KPAG/m
0.0	19.930	14798.9	
0.0	19.995	14847.0	
500.0	21.335	15838.5	1.983
1000.0	22.515	16711.6	1.746
1500.0	23.600	17514.5	1.606
2000.0	24.620	18269.2	1.509
2500.0	26.400	19586.3	2.634
2537.0	26.620	19749.1	4.400
2567.0	26.790	19874.9	4.193
2597.0	26.955	19997.0	4.070

Fluid level at 2305.4 m mcf
 Final surface flex: 15154.1 KPAG

Test by: MILT

Interpretation by CAL-SCAN SERVICES LTD.





TOTAL P.13

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: PARAMOUNT DEERLY ARROWHEAD

DATE: 09/01/07 REPORT NO: 28

LOCATION: N 765

CONTRACTOR: CENALTA RIG # 42

TO (mKB) 2025.0 PBTD (mKB) 2631.5

Csg Size (mm) 139.7 AFF # 273.0

FORMATION: SULPHUR POINT

Perforations 2614.0 2615.0 & 2630.0 - 2632.5

PURPOSE: COMPLETE AS A SULPHUR POINT GAS WELL

WELLHEAD PRESSURES @ 08:00 hrs SIPP 13800 kPa SICP 300 kPa

CURRENT OPERATIONS @ 08:00 hrs: PREPARE PACKER IN WELL FOR ACID SQUEEZE

FROM	TO	PREVIOUS DAYS OPERATIONS
		SIPP 13000 kPa SICP 250 kPa
700	715	START & SERVICE RIG & EQUIPMENT. TAKE PRESSURE READINGS.
715	830	RIG IN PUMP LINES & RIG IN TESTERS FLOW LINE, BLEED OFF TBG. - RIG IN SWAB EQPT.
830		SWAB TEST WELL. NO FLUID LEVEL TAGGED, PULLED 1 SWAB EVERY HOUR.
		PULLED A TOTAL OF 9 SWABS WITH NO RECOVERY, SMALL GAS BLOW AFTER EACH PULL.
1700		SECURE WELL & S.D.F.N. @ 1800 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$5,397.00	TESTERS	\$1,670.00	DAILY COST	\$16,273.00
SUPERVISION	\$745.00	TOOL HAND	\$600.00	PREVIOUS	\$690,530.00
RENTALS	\$493.00	TANK TRUCK	\$508.00	COST TO DATE	\$706,803.00
CAMP	\$2,500.00	FUEL & CARTAGE	\$3,610.00	AFF AMOUNT	\$1,085,548.00
SAFETY	\$750.00				

RIG HOURS	11	MOBILE	1 600-700-5162	PREPARED BY	AL IRONSIDE
TUM RIG HRS	53	AREA	FT. LIARD N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery:	Recovered to Date:	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 63.1 m ³	Water 0 m ³	Water 8.82 m ³	Water 54.3
			(+ new fluid)

p. 32

93%

403 266 6032

IAN-02-1999 11:50

FRI 11:43 FAX 403 266 6032
01/08/99

SWAB REPORT

Well Name PARAMOUNT ET AL ARROWHEAD Location N55 W12T Company PARAMOUNT

Service Rig CENALTA #42 Tank Coef. .18 m³ PER CM m³/mm Date JAN 7/99

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

[illegible]

94%

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JAN-08-1999 11:49

01/08/98 FRI 11:42 FAX 403 268 6032

PARAMOUNT RESOURCES LTD.

DAILY COMPLETION / WORKOVER REPORT

WELL NAME PARAMOUNT BERKLEY ARROWHEAD

DATE 99/01/06 REPORT NO 27

LOCATION NT 55

CONTRACTOR GENALTA RIG # 42

TD (mKB) 2925.0 (PHD (mKB)) 2631.5

Csg Size (mm) 139.7 A/F # 270.0

FORMATION SULPHUR POINT

Perforations 2614.0 - 2615.0 & 2630.0 - 2632.5

PURPOSE COMPLETE AS A SULPHUR POINT GAS WELL

WELLHEAD PRESSURES @08:00 hrs: SITP 13000 kPa SICP 250 kPa

CURRENT OPERATIONS @08:00 hrs: CONTINUE TO SWAB TEST WELL

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP 1600 kPa SICP 400 kPa
800	815	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS.
815	915	RIG IN PUMP LINES, RIG IN SWAB EQUIPMENT, BLEED OFF TBG. & CSG. TO TESTERS.
915		SWAB TEST WELL, TAGGED FLOOD LEVEL @ 575 m. - PULLED 12 SWABS & RECOVERED 8.82m ³ OF LOAD WATER (NO NEW INFLUX) SMALL GAS BLOW AFTER EACH SWAB.
		TOO DARK TO SWAB (REPLACEMENT LIGHT TOWER NEVER SHOWED).
1730		SECURE WELL & S.D.F.N. @ 1730 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,274.00	TESTERS	\$772.00	DAILY COST	\$10,642.00
SUPERVISION	\$745.00	TOOL - HAND	\$600.00	PREVIOUS	\$679,888.00
RENTALS	\$493.00	TANK TRUCK	\$508.00	COST TO DATE	\$690,530.00
CAMP	\$2,500.00			A/F AMOUNT	\$1,085,548.00
SAFETY	\$750.00				
RIG HOURS	9.5	MOBILE	1-600-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS.	42	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover
Oil 0.0 m ³	Oil 0 m ³	Oil 0 m ³	Oil 0.0
Water 63.1 m ³	Water 8.82 m ³	Water 8.82 m ³	Water 54.3
			(* new fluid)

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1114-1

SWAB REPORT

P.04

Well Name PARAMOUNT ETAL BRADSHAW Location N65 N/WT Company PARAMOUNT
 Service Rig CENALTA #42 Tank Cost. .18 per cm m³/mm Date JAN. 6/99
 Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	OUT Time	Fluid Level METERS	Swab Depth METERS	Tank Gauge CM	Gauge Difference CM	Total Fluid		Water Cut %	Barrels Water		PH	REFRAC PPM	Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³			
	8:00am			47cm									2 RUBBERS 1 CUP
1	9:56	575	970	54cm	7cm	1.26	1.26				6.5/7	94000ppm	
2	10:14	970	1255	62	8	1.44	2.70						
3	10:35	1160	1440	67	5	.90	3.60				7	94500	GASIFIED FLUID 1 CUP
4	11:04	1255	1530	74	7	1.26	4.86						
5	11:25	1350	1620	78	4	.72	5.58				7	94500	REL 55% H2S @ PPM
6	11:45	1350	1710	84	6	1.08	6.66						
7	12:18	1065	1350	90	6	1.08	7.74						GASIFIED RIN
8	12:50	?	1950	95	5	.90	8.64						EVAPORATED AFTER SOME GISSY-RIN
12:50 WELL FLOWING (GASSIFIED) TEST													
9	13:40	PSN	PSN	96	1	.18	8.82				7	82100	GASSIFIED RIN
10	14:25	PSN	PSN	96	0	0	8.82						PHL DRY RUN 2 CUPS
11	15:30	2380	2380	96	0	0	8.82						RUN 1 CUP
12	16:00	PSN	PSN	96	0	0	8.82				7	94500	1 CUP
TO DARK TO SWAB													

403 266 6032

JAN-07-1999 08:33

01/07/99 THU 08:27 FAX 403 266 6032

55/10/10/1999

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: PARAMOUNT BERKLEY ARROWHEAD DATE: 99/01/05 REPORT NO: 26
 LOCATION: N 05 CONTRACTOR: CFNATTA RIG # 42
 TD (mKB): 2025.0 PBTD (mKB): 2631.5 Csg Size (mm): 139.7 AFE #: 2631.5
 FORMATION: SULPHUR POINT Perforations: 2614.0 - 2615.0 & 2630.0 - 2632.5
 PURPOSE: COMPLETE AS A SULPHUR POINT GAS WELL
 WELLHEAD PRESSURE @ 00:00 hrs: SITP 0 kPa SICP kPa
 CURRENT OPERATIONS @ 00:00 hrs: SWAB TEST SULPHUR POINT - UPPER PERFORATIONS

FROM	TO	PREVIOUS DAYS OPERATIONS	
		SITP N/A kPa	SICP 1100 kPa
700	715	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS.	
715	800	HEAT 400 BBL. TANK VALVES, SWEEP SNOW OFF RIG & EQUIPMENT, BLEED OFF TBG.	
800	830	PICK UP PACKER & B.H.A., RIG IN PUMP LINES & PUMP 5.5m ³ TO KILL WELL.	
830		TRIP IN WITH 139.7mm. CARDIUM P-QDH (10-K) PACKER & SET PACKER @ 2601.75m. K.B.	
	1330	PACKER SET IN 2 DaN. COMPRESSION AND TBG. LANDED IN DOGNOT.	
1330	1515	FILL ANNULUS WITH 15.0m ³ OF FLUID & PRESSURE TEST PACKER TO 10 MPa. FOR 10 MINS.	
1515		NIPPLE UP WELL-HEAD ON TOP OF B.O.P.s - HOOK UP FLOW LINE - RIG UP SWAB EQPT.	
		LIGHT TOWER POWER PLANT WILL NOT RUN.	
	1730	DRAIN PUMP & PUMP LINES, SECURE WELL & S.D.F.N. @ 1730 HRS. TOO DARK TO SWAB.	

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,985.00	TESTERS	\$1,650.00	DAILY COST	\$12,483.00
SUPERVISION	\$745.00	TOOL - HAND	\$600.00	PREVIOUS	\$667,405.00
RENTALS	\$493.00	TANK TRUCK	\$760.00	COST TO DATE	\$679,888.00
CAMP	\$2,500.00			AFE AMOUNT	\$1,085,548.00
SAFETY	\$760.00				

RIG HOURS: 10.5 MOBILE 1 600-700-5162 PREPARED BY: AL IRONSIDE
 CUM RIG HRS: 32.5 ARFA FT. LIARD, N.W.T. RECEIVED BY: WAYNE TOMM

LOAD FLUID

Total Load Fluid:		Daily Recovery		Recovered to Date:		Load to Recover:	
Oil	0.0 m ³	Oil	0 m ³	Oil	0 m ³	Oil	0.0
Water	63.1 m ³	Water	0 m ³	Water	0 m ³	Water	63.1
				(1 new fluid)			

PARAMOUNT RESOURCES LTD.**DAILY COMPLETION / WORKOVER REPORT**

WELL NAME: **PARAMOUNT BERKLEY ARROWHEAD** DATE: **99/01/05** REPORT NO: **25**
 LOCATION: **N7B5** CONTRACTOR: **CENALIA RIG # 12**
 ID (mKB): **2925.0** PBD (mKB): **2631.5** Csg Size (mm): **139.7** AFE # **25678**
 FORMATION: **SULPHUR POINT** Perforations: **2614.0 2615.0 & 2630.0 - 2632.5**
 PURPOSE: **COMPLETE AS A SULPHUR POINT GAS WELL**
 WELLHEAD PRESSURES @ 08:00 hrs: **SITP N/A kPa** **SICP 1100 kPa**
 CURRENT OPERATIONS @ 08:00 hrs: **TRIP IN WITH CARDIUM PACKER**

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: N/A kPa SICP: 2300 kPa
700	715	START & SERVICE RIG & EQUIPMENT, TAKE PRESSURE READINGS.
715	1400	WAIT FOR BEAVER ENT. CAT TO TOW ELECTRIC LINE LOGGING TRUCK FROM DITCH.
1400		RIG IN BAKER ATLAS WIRE LINE TRUCK - BLEED T&G. PRESSURE OFF TO TESTERS.
		MAKE UP 139.7mm. CARDIUM BRIDGE PLUG & RUN IN ON ELECTRIC WIRELINE.
		SET BRIDGE PLUG @ 2631.5m. K.B. - CORRELATED TO SECTOR BOND LOG DATED 98-03-11.
	1900	RIG OUT LINE TRUCK, ATTEMPT TO BLEED OFF WELL TO TESTERS, WELL FLOWING.
1900		FLOW WELL OVERNIGHT TO EVALUATE UPPER PERFORATIONS.
		WELL SLUGGING WATER TO 1730 HRS. - WELL PRESSURE DOWN TO 5 KPA. @ 1930 HRS.
		FLARE WILL NOT STAY LIT, FLUID QUIT FLOWING & VIRTUALLY NO GAS.
	2100	SECURE WELL & SHUT DOWN FOR NIGHT @ 2100 HRS.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,915.00	TESTERS	\$1,691.00	DAILY COST	\$20,792.00
SUPERVISION	\$745.00	WIRELINE TRUCK	\$7,671.00	PREVIOUS	\$646,613.00
RENTALS	\$493.00	TOW CAT		COST TO DATE	\$687,405.00
CAMP	\$2,500.00	TOOL HAND & B.P.	\$2,027.00	AFE AMOUNT	\$1,085,548.00
SAFETY	\$750.00				
RIG HOURS	12	MORRIS	1-800-700-5162	PREPARED BY	AL IRONSIDE
CUM RIG HRS	12	AREA	FT. LIARD, N.W.T.	RECEIVED BY	WAYNE TOMM

LOAD FLUID

Total Load Fluid	Daily Recovery	Recovered to Date:	Load to Recover
Oil: 0.0 m ³	Oil: 0 m ³	Oil: 0 m ³	Oil: 0.0
Water: 86.5 m ³	Water: 2.86 m ³	Water: 132.87 m ³	Water: 0.0
			(+ new fluid) 46.37 m³

403 266 6032

94%

55.00/17 91:17

P.03

[illegible]

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ M ³ /day	Cum. Gas 10 ³ M ³	Fluid Volume M ³ /hr	Calc. Inc. MCHr MP	Cum MC SP	Calc. Inc. H ₂ O M ³ MP	Cum H ₂ O MP	BS&W %	P.H.	SAL ppm
04/01/98	09:15				3000															
OPEN TO BLEED DON WELL FOR WIRELINERS WHO ARE STUCK OFF LEASE ENTRANCE.																				
	09:30				1000															
FLUID TO SURFACE. SHUT IN.																				
	13:30																			
BLEED DOWN FOR WIRELINE TO RUN BRIDGE PLUG.																				
	14:00																			
	14:00																			
	17:00				3750															
BOTTOM PERFS. ISOLATED. 2632.5-2637.5 MGB.																				
ATTEMPT TO BLEED OFF GAS.																				
	17:05																			
FLUID TO SURFACE.																				
FLUID SLUGGING IN WAVES AS PRESSURE DECREASES.																				
	17:30				1000															
	18:00				175															
WIDE OPEN ON 2" GUTLINE.																				
	18:15				40															
	18:30				110															
WELL NOT BRINGING BACK ANY FLUID.																				
	19:00				30															
	19:30				5															
	20:00				5															
	20:30				5															

CUSTOMER: PARAMOUNT

WELL NAME: No. PARAMOUNT BERKLEY ARROWHEAD

TYPE TEST:

COMPANY REP: AL IRONSIDE

FIELD OR AREA: ARROWHEAD N-65

ZONE: SULFUR POINT

METER RUN: 154.05 mm

GAS DENSITY: 0.85 Air = 1

UNIT NUMBER: 14

SUPERVISOR: R. LUTZ

10 2744

JAN-05-1999 11:19

403 266 6032

94%

66.47/10 CT:1/0

P.04

DAILY COMPLETION / WORKOVER REPORTWELL NAME: PARAMOUNT BERKLEY ARROWHEADDATE: 98/12/30 REPORT NO. 20LOCATION: N - 65CONTRACTOR: CENALTA RIG # 42TD (mKB): 2925.0 PBTD (mKB): 2838.81Csg Size (mm): 139.7 AFE # 2/8/8FORMATION: SULPHUR POINTPerforations: 2614.0 - 2615.0 & 2625.5 - 2630.0 & 2632.5 - 2637.5PURPOSE: COMPLETE AS A SULPHUR POINT GAS WELLWELLHEAD PRESSURES @08:00 hrs: SITP: 17400 kPa SICP: 11500 kPaCURRENT OPERATIONS @08:00 hrs: FLOW BACK / SWAB WELL TO CLEAN UP AFTER ACID SQUEEZE.

FROM	TO	PREVIOUS DAYS OPERATIONS
		SITP: 17250 kPa SICP: 1500 kPa
800	815	START & SERVICE RIG, FUNCTION B.D.P.s, TAKE PRESSURE READINGS.
815		BLOW DOWN TBG, PRESSURE TO TESTERS, RUN IN WITH SWAB CUPS & TAG
		FLUID LEVEL @ 2135 m. - PULLED ONE SWAB, NO RECOVERY, RIG OUT SWAB
	915	EQUIPMENT, PREPARE FOR NOWSCO.
915	1315	WAIT ON WATER TRUCK.
1315		HOLD SAFETY MEETING, PRESSURE TEST LINES TO 50 MPA.
		CONDUCT AN 18 m3, NITROFIED 15 % HCL PARACLEAN ACID SQUEEZE.
		MAXIMUM PRESSURE WAS 30 MPA. - AVERAGE RATE 0.9m3. PER MINUTE.
	1430	HELD 14.0 MPA. ON ANNULUS WITH RIG PUMP, DISPLACED WITH 12.0m3. WATER.
1430	1500	SHUT WELL IN, RIG OUT NOWSCO, TIE IN TESTERS TO FLOW BACK TO.
1500	1930	FLOW WELL TO ENTST TESTERS TO CLEAN UP AFTER ACID SQUEEZE.
1930	2000	SECURE WELL & S.D.F.N. @ 2000 HRS.

NOTE: TRANSFERRED 18.1 m3. ACID WATER & PROD. WATER FOR DISPOSAL.

DAILY COST SUMMARY

Item	Amount	Item	Amount	Item	Amount
RIG	\$4,790.00	TESTERS	\$1,650.00	DAILY COST	\$81,331.00
SUPERVISION	\$745.00	STIMULATION	\$62,610.00	PREVIOUS	\$495,109.00
RENTALS	\$493.00	ACID CARTAGE	\$6,895.00	COST TO DATE	\$576,440.00
SAFETY	\$400.00	TANK TRUCK	\$548.00	AFE AMOUNT	\$1,085,548.00
CAMP	\$2,500.00	TOOL HAND	\$700.00		

RIG HOURS	<u>10.0</u>	MOBILE	<u>1-604-700-5182</u>	PREPARED BY	<u>AL IRONSIDE</u>
CUM RIG HRS.		AREA	<u>FT. LIARD N.W. T.</u>	RECEIVED BY	<u>WAYNE TOMM.</u>

LOAD FLUID

Total Load Fluid:	Daily Recovery:	Recovered to Date:	Load to Recover:
Oil: <u>0.0</u> m ³	Oil: <u>0</u> m ³	Oil: <u>0</u> m ³	Oil: <u>0.0</u> m ³
Water: <u>31.5</u> m ³	Water: <u>67.78</u> m ³	Water: <u>67.78</u> m ³	Water: <u>0.0</u> m ³
			(+ new fluid) <u>36.28</u> m ³

PARAMOUNT RESOURCES LTD.**ACID WASH AND SQUEEZE**WELL NAME PARAMOUNT BERKLEY ARROWHEAD N - 65 DATE 98/12/30LOCATION N - 65COMPANY NOWSCO WELL SERVICE LTDType and Size of Treatment 18 m3 NITROFLOID 15 % HCL PARACLEAN ACID SQUEEZEFormation SULPHUR POINTCompletion Intervals 2614.0 - 2615.0 & 2625.5 - 2630.0 & 2632.5 - 2637.5Subsurface Equipment 139.7 mm CARDIUM DOUBLE GRIP PACKERTreatment Started at 1340 HRS. 98-12-30Number of Stages and Volume/Stage 18 m3 ACID WITH 100 m3 NITROGEN / m3 ACIDInitial Backpressure and Final Backpressure 14 000 KPA AND 14 000 KPABreakdown Pressure 30 000 KPAAverage Feed Rate and Pressure 0.9m3 PER MINUTE @ 16 000 KPAType and Amount of Flush (volume) 12.0 m3 OF FRESH WATERTreatment Completed at 1423 HRS. 98-12-30STEP 15 000 kPa 15 min STEP 15 000 kPaCirculating Fluid Used WELL WAS DRY PRIOR TO STIMULATIONFluid Lost to Formation 18.0 m³Fluid Recovered: 0.0 m³Fluid Left to Recover 30.0 m³New Production: 0.0 m³

Flow Back Rate: _____ Pressure: _____ kPa

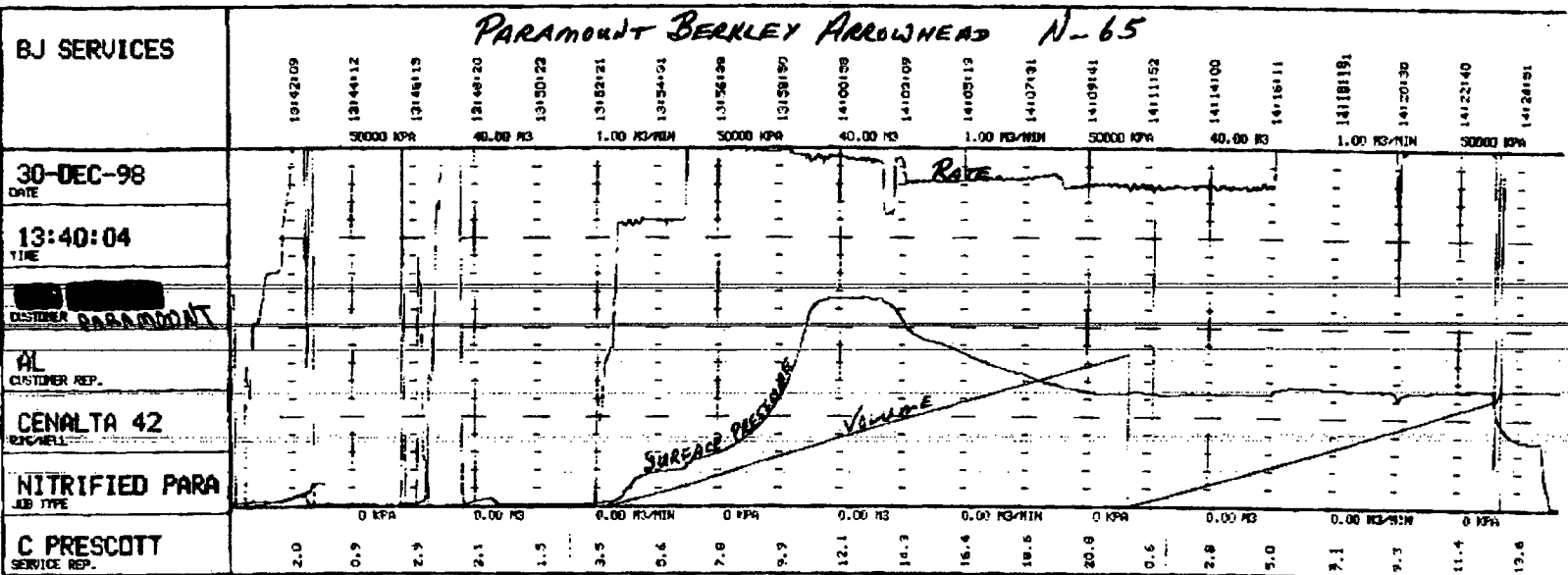
Additives: AL 275 @ 25.0L/m3

DS 500 @ 10.0KG/m3

H-350 @ 30L/m3

NF 5 @ 20.0L/m3

Remarks FLOW BACK RATES WILL FOLLOW



0012
PAGE 01

P.12

ENTEST Corp.

CUSTOMER: PARAMOUNT
 I NAME No: PARAMOUNT ET AL ARROWHEAD
 TYPE TEST:
 COMPANY REP: BERT BLAKELY
 FIELD OR AREA: ARROWHEAD
 ZONE: SULFUR POINT

METER RUN 15405 mm
 GAS DENSITY: 0.65 Air = 1
 UNIT NUMBER 14
 SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	DIF. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ MPH/day	Cum. Gas 10 ³ MP	Fluid Volume M ³ / hr	Calc. Inc. H ₂ O MP	Cum H ₂ O MP	Calc. Inc H ₂ O MP	Cum H ₂ O MP	BS&W %	P H	SAL PPM
30/12/98	06:30	ARRIVE ON LOCATION.																		
	07:00	17250																		
	07:30	OPEN TO BLEED DOWN TO RIG TANK.																		
	08:00	1000																		
	08:10	TSTM																		
		SHUT IN RIG UP FLOWLINE TO TEST UNIT.																		
	08:30	NOWSCO ON LOCATION FOR ACID FRAC.																		
	09:45	6800																		
		OPEN UP TO BLEED OFF. CHOKER SIZE: 48/64" (19.05mm)																		
	09:50	3300																		
	09:55	1700																		
	10:00	1000																		
		SHUT IN PREPARE TO SWAB.																		
	10:15	RUN IN TO TAG FLUID.																		
	10:33	FLUID RECOVERED TSTM.																7	40000	
	10:40	RIG OFF LUBRICATOR. H ₂ S= 1050PPM																		
	10:45	OPEN TO VENT THROUGH SEPERATOR.																		
	11:00	40																		
	11:30	TSTM																		
	11:35	SHUT IN WELL FOR NOWSCO TO PUT ON HAMER VALVE.																		
	11:45	OPEN TO VENT THROUGH SEPERATOR.																		

93%

403 266 6032

DEC-31-1998 08:24

12/31/98 THU 08:18 FAX 403 266 6032

ENTEST Corp.

CUSTOMER: PARAMOUNT

J. NAME: No. PARAMOUNT ET AL ARROWHEAD

TYPE TEST

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER SIZE: 54.05 mm

GAS DENSITY: 0.65 Air = 1

UNIT NUMBER: 4

SUPERVISOR: R. LUTZ

Date dd/mm/yy	Time hh:mm	Elps. flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate 10 ³ m ³ /day	Cum. Gas 10 ³ M ³	Fluid Volume M ³ / hr	Calc. Inc. H ₂ O MP	Cum HC M ³	Calc. Inc H ₂ O/hr M ³	Cum H ₂ O M ³	SS&W %	P.H.	SAL gpm
30/12/98	12:00																			
	13:20																			
	14:30																			
	14:35																			
	14:45		19.05	9000																
	14:46																			
	14:50			3425																
	14:55			3400																
	15:00			1250												7.67			4	
	15:10			1400																
	15:15			1400																
	15:25																			
	15:30			5600																
	15:40																			
	15:45			7200																
	16:00			7400																

93%

403 266 6032

DEC-31-1998 08:25

7 ACID/H2O

FLUID RATE= 14.96M3/MR.

ENTEST Corp.

CUSTOMER: PARAMOUNT

J. NAME: No. PARAMOUNT ET AL ARROWHEAD

TYPE TEST:

COMPANY REP: BERT BLAKELY

FIELD OR AREA: ARROWHEAD

ZONE: SULFUR POINT

METER SIZE: 154.05 mm

GAS DENSITY: 0.95 Air = 1

UNIT NUMBER: 42

SUPERVISOR: R LUTZ

Date dd/mm/yy	Time hh:mm	Elbow flow Time Decimal	Choke size mm	Tubing Press. kPa	Casing Press. kPa	Flow Temp °C	Static Press. kPa	Diff. Press. kPa	Meter Temp °C	Orifice Size mm	Gas Rate SCF/Day	Cum Gas 1000	Fluid Volume m³/hr	Calc. Inc. HCHr MP	Cum HC MP	Calc. Inc. H₂O/hr MP	Cum H₂O MP	SS&V %	°F	SAL ppm
30/12/98	16:15		50.60	3000																
	16:30			2600																
	17:00			2300															5	ACID/H2O
FLUID RATE= 18.37M3/HR.																				
	17:30			2100																
	18:00			2100																
FLUID RATE= 15.38M3/MIN																				
	18:30			2100														5		140,000
	18:45			REDUCE CHOKER TO 16/64" (6.35mm). N2 CONTENT LOW ENOUGH TO KEEP FLARE.																
	19:00		6.35	9800		20	103	35.90	19	31.75	16.31							100	7	198,000
	19:30			10800		20	172	46.80	19	31.75	21.58							100	7	198,000
SHUT IN AT WELLHEAD. RECORD BUILD-UPS.																				
	19:35			12000																
	19:40			12175																
	19:45			12300																
	20:00			12700																
	20:15			13000																
	20:30	4.75		14000																
TOTAL FLUID RECOVERED= 67.78 M3. TOTAL FORM. H2O PRODUCED= 36.21																				
SECURE WELLHEAD. DRAIN ALL LINES AND VESSEL.																				
RETURN TO CAMP.																				

93%

403 266 6032

DEC-31-1998 08:25

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well:

Paramount Berkley Arrowhead N-85

Date Phoned In: 98-12-29

Day: Nineteen

Page: 1 of 1

Purpose of Job: Completion / Evaluate Formation: **SULFUR POINT**
 Current Operation: Test / Swab
 Tubing pressure: Casing Pressure: Perfs: to
 Date of Operations: 98-12-29 Weather: Light Snow -32 Perfs: to

Tbg Btm: m KB

PBD: 2638.61 m KB

Operations: 07:00 HRS

- PREDAILY SAFETY MEETING / VISUAL INSPECTION AND MOTOR SHUT DOWNS OK-
- SITP = 14250 KPA - / SICP = T.S.T.M.-
- OPEN WELL TO IG TANK ON FULL OPENED 2" BALL VALVE / WELL DIED IN 20 MINS-
- SET UP SWAB EQUIPMENT-
- 09:15-RIH AND TAG FLUID AT 475mKB-
- PULLED 4 SWABS AND RECOVERED 2.88m3 H2O (same 10% H2O cushion fluid (3m3))-
- GAS HAS NO MORE THAN 1000 PPM (0.10 %) H2S-
- PULLED 2 MORE SWABS FROM PROFILE AND RECOVERED NO FLUID-
- 13:00-WELL GASSING BUT NOT ENOUGH TO ESTABLISH RATE-
- RIG OUT SWAB EQUIPMENT-
- SHUT IN WELL AND MONITOR BUILD UP-
- ORDERED OUT ACID EQUIPMENT FOR A.M. / MONITOR BUILD UP PRESSURE-
- 13:30-2200 KPA-
- 14:00-3800 KPA-
- 14:30-5000 KPA-
- 15:00-7000 KPA- / RELEASE RIG CREW FOR DAY-

Services	Cost	Services	Cost
SER RIG	3408		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
OHK	135		
Rep/ordals	142		
Testers	700		
Cordium	700		

Daily \$8,946 Cumulative Amount:

Fluid Manifest	Day Oil	Day Water	Job Total Oil	Job Total Water
Well Volumes				
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				102
Fluid on location		38		

Report from: BERT BLAKELY Phone #: 1-800-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$485,163

\$495,109 AFE Amt: 1085548 AFE #: 27678

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT**

Date Phoned In: 98-12-28

Well:

Paramount Berkley Arrowhead N-65

Day: Eighteen

Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation: SULFUR POINT

Current Operation: RU TCP / PERF / TEST

Tubing pressure: Casing Pressure: Perfs: to

Date of Operations: 98-12-28 Weather: Light Cloud -34 Perfs: to

Tbg Bttm: m KB PBTD: 2638.61 m KB

Operations: 07:00 HRS

- PREDAILY SAFETY MEETING / VISUAL INSPECTION AND MOTOR SHUT DOWNS OK-
- CONTINUE RIH W / BAKER / ATLAS TCP C / W CARDIUM DOUBLE GRIP PACKER ON 88.9mm-
- RAN 57 JTS J-55 TBG ON BOTTOM AND 215 JTS L-80 TO SURFACE(as per cardium diagram)-
- TAGGED RETAINER / SPACED OUT TBG STRING / SET PACKER / LAND DOG NUT-
- SET UP BAKER/ATLAS / RIH W / GR-CCL AND CORRELATE TO PREVIOUS LOGS-
- FOUND GUNS LOW BY 0.60m / LAY DOWN EWL TOOLS-
- RELEASE PACKER / REPOSITION TBG TO PLACE GUNS ON DEPTH / RESET PACKER-
- RESET UP EWL / RIH W / GR-CCL AND CORRELATE TO PRVIOUS LOGS-
- FOUND GUNS 100% ON DEPTH / RUN DOWN & BREAK KOBE SUB / POOH W / GR-CCL-
- 16:00-RIG OUT BAKER/ATLAS EQUIPMENT-
- PRESSURE TEST PACKER AND ANNULUS TO 10000 KPA -10 MIN OK TEST-
- INSTALL WELLHEAD ON TBG STRING JUST ABOVE BOP STACK / SECURE WITH CHAINS-
- TIE IN ENTEST EQUIPMENT-
- 17:30-DROP BAR AND PERFORATE 2614-2615 / 2625.5-2630 / 2632.5-2637.5 / MONITOR BUILD UP-
- 18:00- 965 KPA / 18:30 - 3034 KPA-
- 19:00- 4200 KPA / 19:30 - 5500 KPA-RELEASE RIG CREW-
- 20:00- 6200 KPA / 20:30 - 7000 KPA-
- 21:00- 8000 KPA / 21:30 - 9000 KPA-
- 22:00- 10500 KPA / 22:30 - 10750 KPA-
- 23:00- 11000 KPA / 23:30 - 11500 KPA-

Services	Cost	Services	Cost
SER RIG	4915		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop/rentals	142		
Testers	700		
Baker/gas	24000		
Cardium	700		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				102
Fluid on location		38		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: GENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$451,710

Daily

\$34,453

Cumulative Amount:

\$486,163

AFE Amt: 1085548

AFE #:

27678

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT**Date Phoned In: 98-12-27**Well:**

Paramount Berkley Arrowhead N-65

Day: SeventeenPage: 1 of 1Purpose of Job: Completion / EvaluateFormation: SULFUR POINTCurrent Operation: Check TPBD / Run TCP

Tubing pressure: _____ Casing Pressure: _____ Perfs: _____ to _____

Date of Operations: 98-12-27 Weather: Light Cloud -29 Perfs: _____ to _____Tbg Bttm: _____ m KB PBTD: 2638.61 m KBOperations: 07:00 HRS

- PREDAILY SAFETY MEETING ON LAYING CEMENTED TBG TO GROUND / EQUIP INSP-OK-
- COMPLETE POOH W / 65 JTS TBG W / CEMENT / LAY DOWN STINGER-
- 11:00-SET UP BAKER HUGHES EWLU / RIH W / 120mm JUNK BASKET GAUGE RING-
- NOT ENOUGH WEIGHT TO GO IN 139.7mm LINER / POOH-
- RIH W / GR-CCL AND CEMENT BAILER(for weight) / CORRELATE AND TAG RETAINER TOP AT 2638.61mKB / NO CEMENT ON RETAINER-OK-
- LAY DOWN GR-CCL AND RIG OUT EWLU-
- 13:30-M / U BH PERF ASSEMBLY C/W CARDIUM DOUBLE GRIP PACKER ASSEMBLY(as per diagram)-
- 15:30-RIH W / 56 - 88.9mm- J-55 TBG FROM RACKS(drifted, tallied & visually inspected)-
- CONTINUE RIH W / 88.9mm- L-80 TBG FROM DERRICK (ran 39 stands)-
- SECURE WELL AND EQUIPMENT-
- 19:30-SIFN-

Services	Cost	Services	Cost
SER RIG	4765	corrected	
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop?rentals	142		
Testers	700		
Trk Fluid	-4800	correction	
Trk & h2o	1100	cement job	
Computalog	3000	est	
Cardium	700		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				102
Fluid on location		8		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$442,107

Daily

\$9,603

Cumulative Amount:

\$451,710

AFE Amt:

1085548

AFE #:

27678

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well:

Paramount Berkley Arrowhead N-65

Date Phoned In: 98-12-26

Day: Sixteen

Page: 1 of 1

Purpose of Job: Completion / Evaluate Formation: SULFUR POINT
 Current Operation: Cement squeeze 2640-2645 test perms
 Tubing pressure: Casing Pressure: Perfs: 2640.0 to 2640.50
 Date of Operations: 98-12-26 Weather: Light Cloud -24 Perfs: to

Tbg Bttm: # 2639.62 m KB

PBTD: 2758.88 m KB

Operations: 07:00 HRS

-PREDAILY SAFETY MEETING ON KILLING WELL AND CEMENTING / VISUAL EQUIP INSP-OK-
 -SITP = 14250 KPA / SICP = T.S.T.M. / BLEED GAS HEAD TO TANK-
 -PUMP 4m3 DOWN TBG / PICKUP ON TBG STRING PULLING STINGER FROM RETAINER-
 -REVERSE CIRCULATE W / 15m3 TO ENSURE GAS OUT AND DEAD-
 -SPACE OUT TBG STRING TO PERFORM CEMENT JOB THRU RETAINER-
 -09:30-SET UP NOWSCO CEMENTING EQUIPMENT / HOLD SAFETY MEETING-
 -ESTABLISH CIRCULATION(stinger above retainer) W / KCL H2O AND RIG PUMP-
 -PRESURE TEST ALL SURFACE LINES TO 14000 KPA -OK-
 -BATCH MIX 3m3 SLURREY(4 tonne-thermal 40-18.76 kg/m3)-
 -PUMP 1m3 FRESH H2O / PUMP 3m3 SLURREY / PUMP 8m3 KCL H2O-
 -LOWER TBG AND STING INTO RETAINER / SQUEEZE 1m3 SLURREY TO PERFS-
 -PRESSURE CLIMED TO 9000 KPA AND HOLDING STRAIGHT LINE-
 -WAIT 20 MINUTES / PRESSURE STILL STRAIGHT LINED-
 -RAISE TBG STRING AND PULL STINGER FROM RETAINER(some trouble but failiy unstung)-
 -TRY TO REVERSE CIRCULATE CEMENT FROM TBG / FAILED AT 14000 KPA-
 -TRY NORMAL CIRCULATION ALSO FAILED(cement set up in tbg string??!!)-
 -REMOVE NOWSCO PUMPLINES / RIG OUT AND RELEASE NOWSCO EQUIPMENT-
 -17:00-POOH W / WET TBG STRING TO DERRICK / PULLED OUT 210 JTS TBG-
 -REMAINING TBG HAS CEMENT(65jts) / DRAIN PUMP AND LINES / SECURE WELL-
 -20:00-SIFN-

Services	Cost	Services	Cost
SER RIG	5500		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop?rentals	142		
TNK TRK	2400		
Testers	700		
NowSCO Ce	10500	est	
Trk Fuel	425		
FUEL	4736		
trk fluids	7200		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				11.8
Volume out (m3)		56.6		
New out (m3)		19.62		76.22
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)		75		102
Fluid on location		8		

Report from: BERT BLAKELY Phone #: 1-800-700
5162

Contractor: CENALTA # 42 Phone #: 250-785
4717

Previous cum cost: \$406,508

Daily \$35,599 Cumulative Amount: \$442,107 AFE Amt: 1085548 AFE #: 27678

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well: Paramount Berkley Arrowhead N-65 **Date Phoned In:** 98-12-25
Day: Fifteen **Page:** 1 of 1

Purpose of Job: Completion / Evaluate **Formation:** SULFUR POINT
Current Operation: SWAB / TEST
Tubing pressure: **Casing Pressure:** **Perfs:** 2640.0 to 2640.50
Date of Operations: 98-12-25 **Weather:** Light Cloud -22 **Perfs:** to

Tbg Bttm: # 2639.62 m KB **PBTD:** 2758.88 m KB

Operations: 00:01 HRS

-HOLD PREDAILY SAFETY MEETING ON SWABS, GAUGING TANKS AND SAMPLES-
 -CONTINUE FLOWING WELL ON 3/4" OR 19.05mm IN LINE CHOKE-
 -WELL FLOWED 19.62m3 IN 18 HOURS / AVERAGING 1.09m3 PER HOUR AT 200 KPA-
 -FLOW RATE COMBINED W / FLUID = = = 15.377-10/3-m3/DAY OR 537MSCFP/DAY-
 -PH STAYED AT 7 / SALINITY STAYED AT 11-12%-
 -TOTAL NEW FLUID RECOVERED = = = = 76.22m3-
 -18:00-SHUT IN WELL-
 -TRANSFER FLUIDS TO 400 TANKS / DRAIN PUMP AND LINES-
 -19:00-SIFN- -MONITOR PRESSURE BUILD UP-

Services	Cost	Services	Cost
SER RIG	4790		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Boq?rentals	142		
TNK TRK	2400		
testers	700		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				11.8
Volume out (m3)		56.6		
New out (m3)		19.62		76.22
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)		27		
Fluid on location		69		

Report from: BERT BLAKELY **Phone #:** 1-600-700
5162
Contractor: CENALTA # 42 **Phone #:** 250-785
4717

Previous cum cost: \$394,480

Daily \$12,028 **Cumulative Amount:** \$406,508 **AFE Amt:** 1085548 **AFE #:** 27678

SWAB REPORT

Well Name PARAMOUNT ET EL ARROWHEAD Location N 65 Company PARAMOUNT

Service Rig CENELTA #42 Tank Coef. .180 m³/mm Date DEC 05/98

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

[illegible]

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

[illegible]

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well: Paramount Berkley Arrowhead N-65 **Date Phoned In:** 98-12-24
Day: Fourteen **Page:** 1 of 1

Purpose of Job: Completion / Evaluate **Formation:** SULFUR POINT
Current Operation: SWAB / TEST
Tubing pressure: **Casing Pressure:** **Perfs:** 2640.0 to 2640.50
Date of Operations: 98-12-24 **Weather:** Light Snow & -31 **Perfs:** to

Tbg Bttm: # 2639.62 m KB **PBTD:** 2758.88 m KB

Operations: 07:00 HRS

-HOLD PREDAILY SAFETY MEETING ON SWABS, GAUGING TANKS AND SAMPLES-
 -SITP = 10000 KPA / SICP = T.S.T.M.-
 -OPEN TBG TO RIG TANK ON FULL OPENED 2" LINE / WELL DIED MAKING ONLY 0.23m3-
 -SET UP SWAB EQUIPMENT / INITIAL FLUID LEVEL AT 575mKB-
 -PULL 2 SWABS AND RECOVERED 2.44m3-
 -10:00-WELL FLOWING / MONITOR ALL PARAMETERS-
 -15:30-INSTALL 12.7mm BEAN IN LINE TO ESTABLISH RATE-
 -CONTINUE FLOWING WELL-
 -24:00-DAILY FLUID RECOVERED = 23.94m3 / AVERAGING 1.6m3 / HOUR-
 -FLOWING PRESSURE ON 12.7mm BEAN = + - 200 KPA-
 -TOTAL NEW FLUID TO DATE = = = 56.60m3-

Services	Cost	Services	Cost
SER RIG	4915		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop?rentals	142		
TNK TRK	2400		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				11.8
Volume out (m3)		32.65		
New out (m3)		23.95		56.6
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)		27		
Fluid on location		69		

Report from: BERT BLAKELY **Phone #:** 1-600-700
5162
Contractor: CENALTA # 42 **Phone #:** 250-785
4717

Previous cum cost: \$383,027

Daily \$11,453 **Cumulative Amount:** \$394,480 **AFE Amt:** 1085548 **AFE #:** 27678

SWAB REPORT

Well Name PARAMOUNT ET AL ARROWHEAD Location N65 Company PARAMOUNTService Rig CENELTA #42 Tank Coef. .180 m³/mm Date DEC 04/98Load Fluid To Recover: _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference-mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³ PH	SALINITY Cumulative m ³	
1	9:12	575	970	69 80	11	1.98	1.98				7		NEW RUBBERS & CUP CHANGE FLAGS
2	9:41	875	1255	90	10	1.80	3.78						
	10:00	FLOWING (80mm)		95	5	.90	4.68						
	10:15			98	3	.54	5.22						
	10:30			100	2	.36	5.58						
	10:45			103	2	.36	5.94						
	11:00			105	2	.36	6.30				7	11%	
	11:15			108	3	.54	6.84						
	11:30			110	2	.36	7.20				7	11%	
	11:45			112	2	.36	7.56						
	12:00			114	2	.36	7.92				7	11%	
	12:15			117	3	.54	8.46						
	12:30			120	3	.54	9.00				7	11%	
	12:45			122	2	.36	9.36						
	13:00			124	2	.36	9.72				7	11%	

SWAB REPORT

Well Name PARAMOUNT ETEL ARROWHEAD Location N65 Company PARAMOUNTService Rig CEDELTA #42 Tank Coef. .180 m³/mm Date DEC 24/98Load Fluid To Recover: _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	PH This Run m ³	SALINITY Cumulative m ³	
	13:15	FLOWING		124 126	2	.36	9.72 10.08						
	13:30			128	2	.36	10.44				7	11%	
	13:45			130	2	.36	10.80						
	14:00			133	3	.54	11.34				7	11%	
	14:15			135	2	.36	11.70						
	14:30			136	1	.18	11.88				7	11%	
	14:45			138	2	.36	12.24						
	15:00			140	2	.36	12.60				7	11%	
	15:15			141	1	.18	12.78						
	15:30			142	1	.18	12.96				7	11%	48/64 CHOKE
	15:45			144	2	.36	13.32						
	16:00			146	2	.36	13.68				7	11%	
	16:15			148	2	.36	14.04						
	16:30			150	2	.36	14.40				7	11%	
	16:45			54 56	2	.36	14.76						TRANSFERED 17.08 m ³

SWAB REPORT

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. **Recovered To Date:** _____ m³ Oil _____ m³ Water. **Left To Recover:** _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference-mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks Flow Pressure
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
	17:00	Flowing		56									48/64 CHOKE
				58	2	.36	14.76				7	1190	
	17:15			60	2	.36	15.12						150 KPA
	17:30			61	1	.18	15.66				7	1190	150 KPA
	18:00			65	4	.72	16.38						150 KPA
	18:30			68	3	.54	16.92						150 KPA
	19:00			70	2	.36	17.28						150 KPA
	20:00			78	8	1.44	18.72				7	11.5%	250 KPA
	21:00			85	7	1.26	19.98				7	11.5%	225 KPA
	22:00			93	8	1.44	21.42				7	11.5%	200 KPA
	23:00			99	6	1.08	22.50				7	11.5%	175 KPA
	24:00			107	8	1.44	23.94				7	11.5%	200 KPA
						TOTAL NEW FLUID TO DATE = 56.60							

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well:

Paramount Berkley Arrowhead N-65

Date Phoned In: 98-12-23

Day: Thirteen Page: 1 of 1

Purpose of Job: Completion / Evaluate Formation: SULFUR POINT

Current Operation: SWAB / TEST

Tubing pressure: Casing Pressure: Perfs: 2640.0 to 2640.50

Date of Operations: 98-12-23 Weather: CLEAR & -27 Perfs: to

Tbg Btm: # 2639.62 m KB PBD: 2758.88 m KB

Operations: 07:00 HRS

-HOLD PREDAILY SAFETY MEETING ON SWABS, GAUGING TANKS AND SAMPLES-

-SITP = 3000 KPA / SICP = T.S.T.M. / TRANSFER FLUIDS TO 400 / SET UP SWAB EQUIPMENT-

-BEGIN SWABBING TO RIG TANK / INITIAL FLUID LEVEL AT 575mKB-

-PULLED 19 SWABS AND RECOVERED 24.66m3 H2O-

-SALINITY WENT FROM 10.5% TO 12% / PH STAYED AT 7-

-WELL BECAME MORE AND MORE GASSEY THRU OUT DAY-

-WELL BEGAN FLOWING TO HARD TO RUN CUP DOWN / MADE 0.36m3 IN 60 MINS-

-19:00 SHUT IN WELL AND PRESURE CLIMBED TO 6000 KPA IN 30 MINS-

-TRYED TO OPEN STABBING VALVE AT 19:30 HRS / FAILED-

-WILL PRESURE UP ON TOP SIDE OF VALVE IN A.M.-

-TOTAL NEW FLUID RECOVERED TO DATE = = = 32.65m3-

Services	Cost	Services	Cost
SER RIG	4915		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop?rentals	142		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				11.8
Volume out (m3)		7.65		
New out (m3)		25		32.65
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		72		

Report from: BERT BLAKELY Phone #: 1-600-700
5162

Contractor: CENALTA # 42 Phone #: 250-785
4717

Previous cum cost: \$373,974

Daily \$9,053 Cumulative Amount: \$383,027 AFE Amt: 1085548 AFE #: 27678

SWAB REPORT

PAGE # 1 of 2

Well Name Paramount Et Al Arrowhead Location N-65 Company PARAMOUNT

Service Rig CENALTA #42 Tank Coef. 0.18 m³/cm m³/mm Date DEC 23/98

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	119 Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
①	8:30	575	970	132	13	2.34	2.34				PH	% SAL	
2	8:55	775	1160	141	9	1.62	3.96				7	11%	
3	9:13	875	1255	150	9	1.62	5.58						
4	9:41	875	1255	166	16	2.88	8.46				7	11%	GASEY Returns
5	10:18	970	1350	172	6	1.08	9.54						
6	11:10	675	1065	53/59	6	1.08	10.62						
7	11:34	775	1160	64	5	0.90	11.52				7	11%	GASEY
8	11:56	875	1255	72	8	1.44	12.96						
9	12:22	475	1065	80	8	1.44	14.40				7	11%	MORE GAS
10	12:51	875	1255	88	8	1.44	15.84						
11	13:16	970	1350	95	7	1.26	17.10						
12	13:38	970	1350	98	3	0.54	17.64				7	11.5%	MORE GAS
13	13:59	776	1165	103	5	0.90	18.54						
14	14:33	776	1165	109	6	1.08	19.62						
15	14:58	776	1165	114	5	0.90	20.52				7	12%	ALMOST FLOWING

SWAB REPORT

Page
2 of 2

Well Name Paramount E+AI Arrowhead Location N-65 Company Paramount
Service Rig CEN ALTA #42 Tank Coef. 0.18 m³/cm m³/mm Date Dec 23/98

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	114 Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
16	15:27	776	1162	120	6	1.08	21.60				PH	SAL%	HARD RUNNING
17	16:00	873	1255	127	7	1.26	22.86				7	12%	IN
18	16:40	873	1255	133	6	1.08	23.94						GASSEY CUPS NOT GOING IN
19	17:20	873?	1255	137	4	0.72	24.66				7	12%	
		WELL FLOWING TO HARD TO RUN IN											
	17:50			138	1	0.18	24.84						
	18:20			139	1	0.18	25.02						
		SHUT IN WELL + MONITOR BUILD UP											
	19:00	SHUT IN WELL PRES @ 6000 KPA											
	19:30	COULD NOT OPEN STABBING VALVE TO RECORD PRESSURE											
		WILL PUMP AGAINST VALVE IN AM + RECORD PRES + FLOW TEST											
		TOTAL FLUID TO DATE											
		ABOVE LOAD = 32.65 m ³											

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT**Date Phoned In: 98-12-22**Well:**

Paramount Berkley Arrowhead N-65

Day: TwelvePage: 1 of 1

Purpose of Job: Completion / Evaluate Formation: SULFUR POINT
 Current Operation: SWAB / TEST
 Tubing pressure: _____ Casing Pressure: _____ Perfs: 2640.0 to 2640.50
 Date of Operations: 98-12-22 Weather: OVERCAST & -19 Perfs: _____ to _____

Tbg Bttm: # 2639.62 m KBPBTD: 2758.88 m KBOperations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING ON DRIFTING TBG IN DERRICK WHILE RIH-
- MAKE UP STINGER, 3m-73mm PUPJT, 73mm XN, XO SUB AND 1.25m 88.9mm PUP JT-
- RIH W / 88.9mm TBG AND DRIFT TBG IN DERRICK AS RUNNING IN HOLE(PUMP ON SUCK)-
- RAN 274 JTS, 1-3m PUP JT AND 1-JT TBG TO LATCH INTO RETAINER-
- STINGER BOTTOM AT 2639.62mKB-
- PRESSURE TEST STINGER SEALS AND RETAINER TO 7000 KPA-10mins-OK-
- BLEED CASING PRESSURE DOWN TO 2000 KPA-
- 12:30-SET UP SWAB EQUIPMENT-
- PULLED 13 SWABS AND RECOVERED 19.44m3 FLUID TO TANK-
- FLUID CHANGED FROM 3% KCL AND A PH OF 11 TO 10.5% SALINITY AND A PH OF 7-
- LOAD FLUID IN TBG WAS 11.8m3 / 7.64m3 NEW FLUID-
- RIG OUT SWAB EQUIPMENT / SECURE WELL AND EQUIPMENT-
- 19:00-SIFN-

Services	Cost	Services	Cost
SER RIG	5300		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Entest	700		
Cadium	700		
Baker/Hughes	7700	est	
Bop/rentals	142		
H2O	548		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)		11.8		
Volume out (m3)		19.45		
New out (m3)		7.65		
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		57		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$354,888

Daily

\$19,086

Cumulative Amount:

\$373,974

AFE Amt:

1085548

AFE #:

27678

LOAD FLUID IN 36
PRIOR TO SWABS
3% KCL
PH OF 11

SWAB REPORT

Well Name Paramount E+AI Arrowhead Location N-65 Company PARAMOUNT
Service Rig CENALTA # 42 Tank Coef. 0.18 m³/cm m³/mm Date DEC 22/98
INITIAL-LOAD
Load Fluid To Recover: 11.8 m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: 0 m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	START IS) Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
①	14:05	82	474	118	7	1.26	1.26	✓			PH LEVEL	0% SAL	
②	14:25	165	676	127	9	1.62	2.88	✓					
③	14:45	373	873	133	6	1.08	3.96	✓			10	4%	
④	15:05	373	873	144	11	1.98	5.94	✓					
⑤	15:20	373	873	155	11	1.98	7.92	✓					
⑥	15:45	575	1100	164	9	1.62	9.54	✓			9	7%	
⑦	16:10	575	1100	174	10	1.80	11.34	✓					
⑧	16:35	675	1000	146 152	6	1.08	12.42	✓					
⑨	16:55	875	1255	162	10	1.80	14.22	✓			8	8%	
⑩	17:20	875	1400	146 155	9	1.62	15.84	✓					
⑪	17:45	875	1400	160	5	0.90	16.74	✓			7	9.4%	
⑫	18:20	875	1255	168	8	1.44	18.18	✓					
⑬	18:45	875	1255	175	7	1.26	19.44	✓			7	10.5%	

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Well: Paramount Berkley Arrowhead N-65 Date Phoned In: 98-12-23
Day: Thirteen Page: 1 of 1

Purpose of Job: Completion / Evaluate Formation: SULFUR POINT
Current Operation: SWAB / TEST
Tubing pressure: _____ Casing Pressure: _____ Perfs: 2640.0 to 2640.50
Date of Operations: 98-12-23 Weather: CLEAR & -27 Perfs: _____ to _____

Tbg Bltm: # 2639.62 m KB PBD: 2758.88 m KB

Operations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING ON SWABS, GAUGING TANKS AND SAMPLES-
- SITP = 3000 KPA / SICP = T.S.T.M. / TRANSFER FLUIDS TO 400 / SET UP SWAB EQUIPMENT-
- BEGIN SWABBING TO RIG TANK / INITIAL FLUID LEVEL AT 575mKB-
- PULLED 19 SWABS AND RECOVERED 15.55m3 H2O-
- SALINITY WENT FROM 10.5% TO 12% / PH STAYED AT 7-
- WELL BECAME MORE AND MORE GASSEY THRU OUT DAY-
- WELL BEGAN FLOWING TO HARD TO RUN CUP DOWN / MADE 0.24m3 IN 60 MINS-
- 19:00 SHUT IN WELL AND PRESURE CLIMBED TO 6000 KPA IN 30 MINS-
- TRIED TO OPEN STABBING VALVE AT 19:30 HRS / FAILED-
- WILL PRESURE UP ON TOP SIDE OF VALVE IN A.M.-
- TOTAL NEW FLUID RECOVERED TO DATE = = = 16.49m3-

Services	Cost	Services	Cost
SER RIG	4915		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Bop Rentals	142		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				11.8
Volume out (m3)				
New out (m3)		15.79		16.49
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location				

Report from: BERT BLAKELY Phone #: 1-600-700
5162
Contractor: CENALTA # 42 Phone #: 250-785
4717
Previous cum cost: \$373,974

Daily \$9,053 Cumulative Amount: \$383,027 AFE Amt: 1085548 AFE #: 27678

2 P. 2
 DEC-24-1998 08:28
 4846-455-2895-326 FAX
 403 266 6032
 ENTERPRISES I & B 95%
 511.2 86.42 P.03

SWAB REPORT

LOAD FLUID IN TBC
 PRIOR TO SWABS
 3% KCL
 11 PM

Page 1 of 2

Well Name PARAMOUNT ET AL ARROWHEAD Location N65 Company PARAMOUNT
 Service Rig CENALTA #42 Tank Coef. .116 m³/mm Date OCT. 23/98

Load Fluid To Recover: _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	Tank Gauge	Gauge Difference	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m³	Cumulative m³		This Run m³	Cumulative m³	This Run m³	Cumulative m³	
1	8:30 AM	575m	970m	132	13cm	1.2	1.2				7	10.5%	NEW CUP & RUBBERS HAS RESIDUE PPM
2	8:55 AM	775m	1160m	141	9cm	1.04	2.24					11%	
3	9:13 AM	875m	1255m	150	9cm	1.04	3.28						CHANGE CUP
4	9:41 AM	875m	1255m	166	16cm	1.86	5.14				7		GASEY RETURNS WELL ABOVE 8cm
5	10:18 AM	970m	1350m	172	6cm	.69	5.83					11% 5.53	TRANSFER FLUID TO KODOL TANK. CHANGE CUP
6	11:10 AM	675m	1065m	53 59	6cm	.69	6.52						
7	11:34 AM	775m	1160m	64	5cm	.58	7.10				7	11%	GASEY FLUID
8	11:56 AM	875m	1255m	72	8cm	.93	8.03						
9	12:22 AM	475m	1065m	80	8cm	.93	8.96						
10	12:47 AM	875m	1255m	88	8cm	.93	9.89				7	11%	GASEY FLUID
11	1:16 AM	970m	1350m	95	7cm	.81	10.70						
12	13:38	970m	1350m	98	3cm	.35	11.05				7	11.5%	Change cup More Gas
13	13:59	776m	1165m	103	5cm	.58	11.63						
14	14:33	776m	1165m	109	6cm	.69	12.32						
15	14:58	776m	1165m	114	5cm	.58	12.90				7	12%	More Gas after Swab

12/24/98 THU 08:22 FAX 403 266 6032

0003

SWAB REPORT

Page 2 of 2

Well Name Paramount Et Al Arrowhead Location NG5 Company PARAMOUNT
 Service Rig Cen Alta #43 Tank Coef. 0.116 m³/mm Date Dec 23/98

Load Fluid To Recover: _____ m³ Oil _____ m³ Water. Recovered To Date: _____ m³ Oil _____ m³ Water. Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	1 1/4 Tank Gauge	Gauge Difference - mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m³	Cumulative m³		This Run m³	Cumulative m³	This Run BAR	Cumulative m³	
16	15:27	776	1162	120	6	.69	13.59				PH	% SAL	
17	16:00	873	1255	127	7	.81	14.40				7	12%	
18	16:40	873	1255	133	6	.69	15.09						HARD RUNNING IN WELL GASSING
19	17:20	873?	1310	137	4	.46	15.55						CHANGE CUPS ASSESS RUBBERS
	WELL FLOWING TO HARD TO RUN IN = MONITOR FLOW												
	17:50	-	-	138	1	.12	15.67						
	18:20	-	-	139	1	.12	15.79				7	12%	
	SHUT IN WELL + MONITOR BUILD UP												
	19:00 - SHUT IN WELL PRESSURE @ 2000 KPA -												
	19:30 - COULD NOT OPEN STABBING VALVE TO RECORD PRESSURE -												
	- WILL PUMP AGAINST VALVE IN AM TO RECORD PRESSURE + FLOW TEST -												
	TOTAL FLUID TO DATE												
	ABOVE LOAD = 16.49 m³												

3 P. 1986-455-2895-646 FAX 403 266 6032 SESI RISES & B 96% 91:2 86. 42:30 P.04 DEC-24-1998 08:28

12/24/98 THU 08:22 FAX 403 266 6032 004

DEC-24-1998 08:29 1 P. 496-655-5582-5582-5582 FAX 973-5682-5682 403 266 6032 SESI&S ENTERPRISES B & T 95% 03:41 98.23 P.05

SWAB REPORT

LOAD FLUID IN TBC
PRIOR TO SWABS
3% KCL
11 PM

Well Name PARAMOUNT ET AL ARROWHEAD Location N65 Company PARAMOUNT
Service Rig CENALTA #42 Tank Coef. .116 m³/mm Date DEC. 23/98
Load Fluid To Recover: _____ m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	119 in. Tank Gauge	Gauge Difference	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
1	8:30 AM	575m	970m	132	13cm	1.2	1.2				7	10.5%	NEW CUP & ROBERT HAS RECOVERED PPM
2	8:55 AM	775m	1160m	141	9cm	1.04	2.24					11%	
3	9:13 AM	875m	1255m	150	9cm	1.04	3.28						
4	9:41 AM	875m	1255m	166	16cm	1.86	5.14				7		CHANGE CUP GASEY RETURNS WELL FLOWED 8cm
5	10:18 AM	970m	1750m	172	6cm	.69	5.83					11% 5.12%	TRANSFER FLUID TO 400 BBL TANK, CHANGE CUP
6	11:10 AM	675m	1065m	53	59	.69	6.52						
7	11:34 AM	775m	1160m	64	5cm	.58	7.10				7	11%	GASEY FLUID
8	11:56 AM	875m	1255m	72	8cm	.93	8.03						
9	12:22 PM	475m	1065m	80	8cm	.93	8.96						
10	12:57 PM	875m	1255m	88	8cm	.93	9.89				7	11%	GASEY FLUID
11	1:16 PM	970m	1350m	95	7cm	.81	10.70						

12/24/98 THU 08:23 FAX 403 266 6032 005

PARAMOUNT RES LTD.
DAILY COMPLETION REPORT**Well:**

Paramount Berkley Arrowhead N-55

Date Phoned In: 98-12-22

Day: Twelve Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation: SULFUR POINT

Current Operation: SWAB / TEST

Tubing pressure: Casing Pressure:

Perfs: 2640.0 to 2640.50

Date of Operations: 98-12-22 Weather: OVERCAST & -19

Perfs: to

Tbg Bltm: # 2639.62 m KB

PBTD: 2758.88 m KB

Operations: 07.00 HRS

- HOLD PREDAILY SAFETY MEETING ON DRIFTING TBG IN DERRICK WHILE RIH-
- MAKE UP STINGER, 3m-73mm PUP JT, 73mm XN, 20 SUB AND 1.25m 88.9mm PUP JT-
- RIH W / 88.9mm TBG AND DRIFT TBG IN DERRICK AS RUNNING IN HOLE(PUMP ON SUCK)-
- RAN 274 JTS, 1-3m PUP JT AND 1-JT TBG TO LATCH INTO RETAINER-
- STINGER BOTTOM AT 2639.62mKB-
- PRESSURE TEST STINGER SEALS AND RETAINER TO 7000 KPA-10mins-OK-
- BLEED CASING PRESSURE DOWN TO 2000 KPA-
- 12:30-SET UP SWAB EQUIPMENT-
- PULLED 13 SWABS AND RECOVERED 12.5m3 FLUID TO TANK-
- FLUID CHANGED FROM 3% KCL AND A PH OF 11 TO 10.5% SALINITY AND A PH OF 7-
- LOAD FLUID IN TBG WAS 11.8m3 / 0.70m3 NEW FLUID-
- RIG OUT SWAB EQUIPMENT / SECURE WELL AND EQUIPMENT-
- 19:00-SIFN-

Services	Cost	Services	Cost
SER RIG	5300		
SUP	745		
SAFETY	400		
CAMP	2500		
Rentals	216		
SHK	135		
Entest	700		
Cardium	700		
Baker/Hughes	7700	est	
Boprentals	142		
H2O	548		

Daily \$19,086 Cumulative Amount:

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volume	Oil	Water	Oil	Water
Volume in (m3)		11.8		
Volume out (m3)		12.5		
New out (m3)		0.7		
Load (m3)				
Lease Inventory				
Transfer to (m3)		5		
Transfer from (m3)				
Fluid on location		49.5		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$364,888

\$373,974 AFE Amt: 1085548 AFE #: 27678

1. M : 51TP-180KPA
SICP-2000KPA

LOAD FLUID = 3% KCL
= PH = 11
2.45 m³ IN TBG
WHEN BAR DROPPED
ON DEC 20/98

SWAB REPORT

Well Name PARAMOUNT EL AL ARROWHEAD Location N-65 Company PARAMOUNT
Service Rig CENALTA #42 Tank Coel. 0.116 m³/cm m³/mm Date Dec 21/98

Load Fluid To Recover: 2.45 m³ Oil _____ m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: _____ m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	START Swab Depth 99 cm	Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m ³	Cumulative m ³		This Run m ³	Cumulative m ³	This Run m ³	Cumulative m ³	
1	8:30	180	475	104	5	0.58	0.58	99.9			%SAL	PH	NIPPLE 2645 1 cup
2	8:55	220	575	112	8	0.928	1.508	"					
3	9:20	300	775	119	7	0.812	2.32	"			3.2	11	
	9:40	575	970	125	6	0.692	3.012	"					1 cup
	9:55	775	1255	132	7	0.812	3.824	"			6.1	10	
	10:20	970	1465	139	7	0.812	4.636	"					
	10:45	1035	1580	145	6	0.692	5.328	"			8	8	1 cup
	11:00	1035	1580	153	8	0.928	6.256	"					
	11:35	1100	1625	160	7	0.812	7.068	"			10.5	7	
	12:00	1160	1710	166	6	0.692	7.76	"			10.5	7	1 cup
	12:30	1160	1710	174	8	0.928	8.688	11			10.5	7	
						RIG OUT SWAB EQUIP							
						FILL WELL w/ 1.39 m ³							
						FEED RATE TO ZONE = 0.23 m ³ /min @ 6000 KPA							

SWAB REPORT

LOAD FLUID INTO 86
 PRIOR TO SWABS
 3% KCL
 11 PH

Well Name Paramount E+ Al Arched Location N-65 Company PARAMOUNT
 Service Rig CENALTA #42 Tank Coef. 0.116 m³/cm m³/mm Date DEC 22/98
 Load Fluid To Recover: 11.8 m³ ^{3% KCL} m³ Water Recovered To Date: _____ m³ Oil _____ m³ Water Left To Recover: 0 m³ Oil _____ m³ Water

Swab No.	Time	Fluid Level	Swab Depth	START Tank Gauge	Gauge Difference mm	Total Fluid		Water Cut %	Barrels Water		Barrels Oil		Remarks
						This Run m³	Cumulative m³		This Run m³	Cumulative m³	This Run m³	Cumulative m³	
①	14:05	82	474	118	7	0.812	0.812	99.9%			PH LEVEL	0% SAL	NEW CUP & RUBBERS
②	14:25	165	676	127	9	1.044	1.856	"					
③	14:45	373	873	133	6	0.696	2.552	"			10	4%	NEW CUP
④	15:05	373	873	144	11	1.276	3.828	"					
⑤	15:20	373	873	155	11	1.276	5.104	"					
⑥	15:45	575	1100	164	9	1.044	6.148	"			9	7%	NEW CUP
⑦	16:10	575	1100	174	10	1.16	7.308	"					
⑧	16:35	673	1100	146 152	6	0.696	8.004	"					TRANSFER TO 400 (3.2 m³) Change cup
⑨	16:55	875	1255	162	10	1.16	9.164	"			8	8%	
⑩	17:20	875	1400	146 155	9	1.044	10.208	"					TRANSFER TO 400 (1.83)
⑪	17:45	875	1400	160	5	0.58	10.788	"			7	9.4%	FOUL CUP / STUCK PULLING TO MUCH FLUID! CHANGE CUP
⑫	18:20	875	1255	168	8	0.928	11.716	"					
⑬	18:45	875	1255	175	7	0.812	12.528	"			7	10.5%	

Page: 1 of 1

Paramount Berkley Arroyo

Formation:

FEST

Perfs:

to

Ports:

to

Tbg Estm:

PBTD: 2758.88 m KB

- HOLD PREDAIR SAFETY MEETING / COMPLETE AERIAL EQUIP WALKAROUND INSPECTION-
- REMOVE DOG NUT AND FIRST JT TBG / ADD 4 PUP JOINTS AND JT AND ADD 4 PUP JTS-
- REINSTALL FIRST JT AND DOG NUT / SET UP PACKER IN 2500 DaN COMPRESS-
- SET UP BAKER / ATLAS AND RUN IN 3000 W / 3000 DaN COMPRESS-
- CORRELATE AND FOUND TBG TO BE 30.07m / 100' IN WIRELINE-
- UNSET PACKER AND ADD 0.07m PUP JOINTS / RESET PACKER IN 3000 DaN COMPRESSION-
- SET UP ATLAS / R/H AND CONFIRM GUNN DEPTH / BREAK KOBE SUB / RIG OUT EWLU-
- 12:00-PRESSURE TEST PACKER TO 14000 KPA / FULLY TEST-
- PUMP 2.45m³ KCL H₂O DOWN TBG-
- 13:15-DROP DETONATOR BAR AND PERFORM TEST / FROM 2640-2640.5m KB-
- PRESSURE CLIMBED TO 600 KPA IN 10 MIN / ONE TANK DIED-
- SET UP SWAB EQUIPMENT AND FIRE SWAB / REBUILD SAVERHEAD-
- SEALS FAILED AGAIN / WILL HAVE TO RE-SET /
- TO DARK TO SWAB / SHUT IN AND SECURE WELL-
- 16:00-SHUT-

[illegible]

5162

4717

\$297,283

1085548 AFE # 27678



CARDIUM

PACKER INSTALLATION PLANT DISPOSAL

CUSTOMER COPY

PREPARED FOR MR. BERT BLANLEY		DATE DEC 19 98	
WELL NAME ARROWHEAD			
CASING DEPTH	SIZE	HEIGHT	THREAD
LINER	139.7 mm	25.3 mm	Flush Hydril
TUBING 1	89 mm	25.3 mm	
TUBING 2			

ITEM	DESCRIPTION	DEPTH	MARK
1	PLUG BACK		MKB
2	BULLWHEE BOTTOM		
3	BOTTOM SHOT TO 2" ANGLE	2640.77	
4	TOP SHOT	.27 2640.5	
5	TOP SHOT TB FLOW HEAD	2640	
6	CROSS OVER	.99 2639.0	
7	73 mm PUP	.25 2638.76	
8	SEPERATION SUB	.45 2638.31	
9	FLOW SUB	.34 2637.97	
10	73 mm PUP	.28 2637.69	
11	COLEY SUB	.48 2637.21	
12	XN NIPPLE	.15 2637.06	
13	73 mm PUP	.31 2636.75	
14	SETTING DEPTH OF PUP	.90 2630.85	
15	PQDH 14200 PUP	.15 2630.15	
16	ON/OFF	.47 2629.38	
17	73 mm PUP	.48 2627.90	
18	X NIPPLE	.09 2624.81	
19	CROSS OVER 3" to 1" ANGLE	.29 2624.52	
20	1" INT OF 89 mm PUP	.15 2624.37	
21	89 mm PUP	.55 2614.92	
22	89 mm TBG TO SURFACE	.24 2613.58	
23	2" INT	23.11	
24	89 mm Nipple	.47 22.84	
25	89 mm PUP	.27 22.17	
26	89 mm PUP	.67 21.55	
27	89 mm PUP	.62 21.08	
28	89 mm PUP	.47 19.98	
29	89 mm INT	.10 15.98	
30	T.B.G. HANGER	.42 6.56	
31	T.H.F. TO VB	.26 6.30	
32		6.30 0	

COMPLETION PROCEDURE ALL DEPTHS TO BE OF TOOLS
ALL DEPTHS ARE MKB, TBG ADDED IN
15,000 DAN COMPRESSION, STRONG 15,843 DAN
DAN, COMPRESSION 15,843 DAN

PREPARED BY F. REID FSJ 12 785 255 25256

PARAMOUNT RES LTD.
DAILY COMPLETION REPORT**Well:**

Paramount Berkeley Amersham

Date Phoned In: 98-12-18

Day: Eight

Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation:

Current Operation: VERTILOG / RUN TCP

Tubing pressure: Casing Pressure:

Perfs: to

Date of Operations: 98-12-18 Weather: Overcast

Perfs: to

Tbg Bltm:

PBYD: 2758.88 m KB

Operations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING / COMPLETE EQUIP WALKAROUND INSPECTION.
- COMPLETE POOH / LAYED DOWN SWAPERS AND
- RUN DRILL COLLARS IN WELL FROM DEPTH OF POOH AND LAY ON RACKS.
- LOAD SWIVEL AND RENTALS / RETURN UNLESS SWAP RENTALS.
- 09:30-SET UP BAKERHUGHES / ATLAS ELECTRIC
- RIH W / VERTILOG TOOLS AND HAVE TOOL SAND
- REPLACE CABLE HEAD CONNECTOR
- COMPLETE VERTILOG FROM 1720M TO 2300M
- CASING LOOKS LIKE OR VERY CLOSE TO NEW CONNECTION-
- MAKE UP PERFORATING ASSEMBLY AND FORGET TO BRING GUN FORGOTTEN-
- SECURE WELL AND EQUIPMENT-
- TALLEY TBG / REMOVE TBG PROTECTORS TO BE ABLE TO RUN TCP IN A.M.
- SIFN AT 16:00-

Services	Cost	Services	Cost
SER RIG	4525		
SUP	745		
SAFETY	400		
CAMP	2500		
Bin/h2o tank	94		
SHK	135		
400's	77		
Testers	700		
TRK FUEL	740		
TRKING	3000		
Inch/fuel tank	45		
drill equip left	1425		
FUEL	6073	est	

Daily \$20,459 Cumulative Amount:

Day	Day	Job Total	Job Total
Oil	Water	Oil	Water
	60m3		

Bert Blakely

BERT BLAKELY Phone #: 1-800-700

5162

Contractor

CENALTA # 42 Phone #: 250-785

4717

Previous work

\$261,292

AFE #

1085548 AFE #: 27678

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Date Phoned In: 98-12-17

Well:

Paramount Berkley Arrowhead N-65

Day: SEVEN

Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation:

Current Operation: SCRAPE CSG / TAG TPBD / CIR / LOG

Tubing pressure: Casing Pressure:

Perfs: to

Date of Operations: 98-12-17 Weather: Snow -25 High Wind

Perfs: to

Tbg Btm: m KB

PBTD: 2758.88 m KB

Operations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING / COMPLETE VISUAL EQUIP WALKAROUND INSPECTION-
- RIG PROBLEMS W / BATTERY / STARTER?! / REPAIR PROBLEM-
- 09:00-CONTINUE DOWN TO TPBD W / 25 MORE JTS TBG(294TOTAL) == 2758.88mKB-
- REVERSE CIRCULATE CLEAN ON BOTTOM / PRESSURE TEST WELL TO 14000 KPA-OK-
- 12:00-RIG OUT CIR HEAD & REMOVE PACKOFF / FOUND ONE INTERNAL RING AND RUBBER MISSING(DOWN HOLE) / POOH WITH NEW TBG TO DERRICK-
- 14:00-FOUND PACKOFF RUBBER AND RING STUCK ON TBG JOINT COLLAR-OK-
- 16:00-LAY DOWN ORIGINAL USED TBG TO RACKS-
- MORE TROUBLES W / BOILER(ELECTRIC ENGINE ON BLOWER GONE) REPAIR / UNTHAW FROZEN RETURN LINES ETC-(very high wind chill factor)-
- 17:30-CONTINUE POOH W / SCRAPER STRING LAYING DOWN USED TBG TO RACK-
- PULLED OUT A TOTAL OF 189 JTS TBG-
- DRAIN PUMP AND LINES / SECURE WELL-
- 20:00-SIFN-

Services	Cost	Services	Cost
SER RIG	4525		
SUP	745		
SAFETY	400		
CAMP	2500		
Bin/h2o tnk	94		
SHK	135		
400's	77		
H2O	548		
Bed Truck	700		
Testers	2600	est	
TV MAN	68		
Baker Hughes	1500	est	

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		60m3		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$261,292

Daily \$13,892 Cumulative Amount:

\$275,184 AFE Amt: 1085548 AFE #: 27678

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT****Well:**

Paramount Berkley Arrowhead N-65

Date Phoned In:

98-12-16

Day:

SIX

Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation:

Current Operation: SCRAPE 177.8mm & 139.7mm

Tubing pressure:

Casing Pressure:

Perfs:

to

Date of Operations:

98-12-16

Weather:

SNOW & -25

Perfs:

to

Tbg Btm: m KB

PBDT:

2760.00 m KB

Operations:

07:00 HRS

-HOLD PREDAILY SAFETY MEETING / COMPLETE VISUAL EQUIP WALKAROUND INSPECTION-

-CONTINUE POOH WITH DRILL OUT STRING / STAND DRILL COLLARS TO DERRICK-

-10:00-M / U AND RIH W / TANDEM SCRAPER STRING AS FOLLOWS :121mm BIT, 139.7mm SCRAPER
BIT SUB, 50 JTS 88.9mm TBG, XO SUB, 177.8mm SCRAPER, BIT SUB AND XO SUB & 195 JTS-

-TAG LINER TOP AT 2301.51mKB / APPEARS BP BULLNOSE JUST INTO 139.7mm CASING-

-13:30-ROTATE AND WORK BIT DOWN TO 2302.61mKB / NOT MOVING-

-SET UP DRILLING EQUIPMENT / REVERSE CIRCULATE AT 0.65m3/min & ROTATE 80-100RPM

-DRILL OUT STUCK BULLNOSE / WORK SCRAPER OVER LINER TOP & BULLNOSE AREA-

-16:30-RIG OUT POWER SWIVEL / CONTINUE RIH W / BIT AND SCRAPER(double scrape liner)-

-DRIFTING AND TALLEYING TBG FROM RACKS ON WAY IN-

-APPEARS TBG COLLARS CATCHING ON LINER TOP AS PASSING BY?!

-RAN A TOTAL OF 269 JTS TBG-

-DRAIN PUMP AND LINES / SECURE WELL-

-20:00-SIFN-

Services	Cost	Services	Cost
SER RIG	5305		
SUP	745		
SAFETY	400		
CAMP	2500		
Bin/h2o tank	94		
SHK	135		
400's	77		
Lease entry	1751		
Sumps	1919		
RENTALS	250		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		60m3		

Report from: BERT BLAKELY Phone #: 1-600-700
5162

Contractor: CENALTA # 42 Phone #: 250-785
4717

Previous cum cost: \$248,116

Daily

\$13,176

Cumulative Amount:

\$261,292

AFE Amt:

1085548

AFE #:

27678

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT****Well:**

Paramount Berkley Arrowhead N-65

Date Phoned In: 98-12-16

Day: FIVE

Page: 1 of 1

Purpose of Job: Completion / Evaluate Formation: _____
 Current Operation: Drill Out Bridge Plug / Lay Dn BHA _____
 Tubing pressure: _____ Casing Pressure: _____ Perfs: _____ to _____
 Date of Operations: 98-12-15 Weather: CLEAR & -24 Perfs: _____ to _____

Tbg Bttm: _____ m KB PBTD: 2760.00 m KB

Operations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING / COMPLETE VISUAL EQUIP WALKAROUND INSPECTION-
- CONTINUE MILLING / DRILLING ON BRIDGE PLUG-
- 08:00-FINALLY THRU BRIDGE PLUG / CHASE PLUG REMINANTS TO LINER TOP AT 2301.43mKB-
- REPLACE PACKOFF RUBBER AND CONTINUE MILLING ON PLUG PARTS-
- 13:00-APPEAR TO HAVE CLEANED AWAY ANY REMAINING BRIDGE PLUG PARTS / FILINGS IN RETURNS APPEAR TO BE LIKE LINER TOP-
- 13:00-RIG OUT DRILL EQUIPMENT-
- INSTALL WORK SPOOL VALVE UNDER BLIND RAMS-ABOVE LOWER SET OF PIPE RAMS-
- PRESSURE TEST SPOOL AND WELL BORE TO 1400 KPA AND 14000 KPA-OK-
- 16:30-POOH WITH DRILL STRING / PULLED 69 STANDS TO DERRICK-
- DRAIN PUMP AND LINES / SECURE WELL-
- 19:00-SIFN-

Services	Cost	Services	Cost
SER RIG	4915		
SUP	745		
SAFETY	400		
CAMP	2500		
Blr/h2o Ink	94		
Tbg/Pups	82818		
SHK	675	5 days	
400's	306	4 days	
Drill equip	1555	2 days	

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		60m3		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$154,108

Daily

\$94,008

Cumulative Amount:

\$248,116 AFE Amt: 1085548 AFE #: 27678

27678

PARAMOUNT RES LTD.**DAILY COMPLETION REPORT****Well:**

Paramount Berkley Arrowhead N-65

Date Phoned In: 98-12-12

Day: TWO

Page: 1 of 1

Purpose of Job: Completion / Evaluate

Formation:

Current Operation: Set Up Rig / Install BOP'S / Pressure test

Tubing pressure:

Casing Pressure:

Perfs:

to

Date of Operations:

98-12-12

Weather:

CLEAR & 14

Perfs:

to

Tbg Bttm: 2222.69 m KB

PBTD: 2760.00 m KB

Operations: 07:00 HRS

- HOLD PREDAILY SAFETY MEETING / COMPLETE EQUIPMENT INSPECTION & MOTOR KILLS-
- COMPLETE EMERGENCY RESPONSE LIST WITH "KNUTSON" FIRST AID REP-
- SET UP SERVICE RIG AND COMPLETE VISUAL INSPECTION-ALL-OK-
- PRESSURE TEST WELLHEAD SURFACE SEALS TO 21000 KPA-OK-
- PRESSURE TEST WELLBORE TO 14000 KPA / GOOD 10 MINUTE TEST / NO BLOW ON VENT-
- REMOVE WELLHEAD / REMOVE RIG WORKSPOOL AND INSTALL ON TBG BOWEL-
- INSTALL RENTAL 179mm SINGLE GATE PIPE RAMS / INSTALL RIG DOUBLE GATE & HYDRIL-
- COMPLETE FULL FUNCTION TEST AND ACCUMULATOR BUILD UP AND FUNCTIONS-OK-
- PRESSURE TEST -LOWER PIPE RAMS & SAFETY VALVE TO 1400 AND 21000 KPA-OK-
- UPPER PIPE RAMS TO 1400 AND 21000 KPA-OK-
- HYDRIL TO 1400 AND 10000 KPA-OK-
- REMOVE PUP JT AND PRESSURE TEST BLIND RAMS AND WELLBORE TO 1400 & 14000 KPA
- SET UP WORKFLOOR / V-DOOR / TONGS ETC-
- SPOT NEW TBG STRING TO RACKS-
- DRAIN PUMP AND LINES-
- 19:00-SIFN-
- READY TO HOIST TBG IN A.M.-

Services	Cost	Services	Cost
TNK TRK	305		
TNK TRK	540		
RENTALS	5123		
TRK TBG	3473		
TRK TBG	3381		
LOADER	380		
SER RIG	4915		
SUP	745		

Fluid Manifest	Day	Day	Job Total	Job Total
Well Volumes	Oil	Water	Oil	Water
Volume in (m3)				
Volume out (m3)				
New out (m3)				
Load (m3)				
Lease Inventory				
Transfer to (m3)				
Transfer from (m3)				
Fluid on location		60m3		

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: \$111,081

Daily

\$18,862

Cumulative Amount:

\$129,943

AFE Amt:

1085548

AFE #:

27678

PARAMOUNT RES LTD.

DAILY COMPLETION REPORT

Date Phoned In 98-12-12

W

Paramount Berkley Arrowhead N-65

Day: ONE

Page 1 of 1

Purpose of Job: Completion / Evaluate Formation: _____

Current Operation: Move In and Set Up Service Rig

Tubing pressure: _____ Casing Pressure: _____ Perfs: _____ to _____

Date of Operations: 98-12-11 Weather: CLEAR & 0 Perfs: _____ to _____

Tbg Bttm: 2222.69 m KB

PBTD: 2760.00 m KB

Operations:

- 98-12-08-MEETING IN CALGARY ON LIARD PROJECT-
- 98-12-09-DRIVE UP TO FORT ST JOHN / LINE UP SERVICES-
- 98-12-10-DRIVE UP TO LIARD / CHECK LOCATION / LINE SERVICES / MEETING W / CONSTR REPS-
- SERVICE RIG AND EQUIPMENT WILL BE MOVED UP TO FT. NELSON-
- 98-12-11-
- INSTALL AND PULL TEST RIG ANCHORS-
- 13:00-SER RIG AT BASE CAMP / MOVE TO LOCATION AND SPOT EQUIPMENT TO SPECS-
- SPOT KNUTSON FIRST AID TRAILER / SPOT SAFETY BOSS AIR TRAILER-
- RIG IN BOILER / ACCUMULATOR LINES-
- 19:00-SIFN WITH SERVICE RIG-
- LEASE ENTRY ACCESS ROAD BROKEN UP IN A FEW SPOTS / TRUCKING THRU SLOW-
- SPOT ENTENT UNIT-
- 22:00-SPOT 2-400 TANKS-
- 23:00-SPOT DOUBLE ENDER SUPERVISORS TRAILER
- 24:00-SIFN-

Services	Cost	Services	Cost	Fluid Manifest	Day	Day	Job Total	Job Total
SUP	916	Day # 1		Well Volumes	Oil	Water	Oil	Water
SUP	1071	Day # 2		Volume in (m3)				
SUP	1006	Day # 3		Volume out (m3)				
Blv/h2o Tnk	220	2-days		New out (m3)				
TRK Bin h2o	1760			Load (m3)				
TRK CAMP	14395			Lease Inventory				
Access Rd	49203			Transfer to (m3)				
LEASE	2682			Transfer from (m3)				
CAMP	2500	est		Fluid on location				
SUP	745							
Trk/ser rig	24000	400's/Ptnk						
ANCHORS	1430							
Trk supshack	4185							
SER RIG	1927	Day # 1						
SER RIG	5041	Day # 2						

Report from: BERT BLAKELY Phone #: 1-600-700

5162

Contractor: CENALTA # 42 Phone #: 250-785

4717

Previous cum cost: _____

Daily \$111,081 Cumulative Amount: \$111,081 AFE Amt: 1085548 AFE #: 27678