

National Energy
Board



Office national
de l'énergie

Protected B

WID# 1482, 1973 & 1736
2 February 2005

Mr. D. Block
Engineering Consultant
Paramount Resources Ltd.
4700, 888 - 3rd Street SW
Calgary, AB T2P 5C5
Facsimile (403) 266-6032

Dear Mr. Block:

**Approval to Alter Condition of a Well for Paramount et al Cameron I-16,
Paramount et al Cameron D-49 & Paramount et al Cameron L-47**

Thank you for your submission of the applications to "Alter Condition of a Well" for the wells I-16, D-49 & L-47. The workover programs are approved as per subsection 19(3) of the *Canada Oil and Gas Production and Conservation Regulations*. Well testing operations are to meet the requirements of section 14 of the *Canada Oil and Gas Production and Conservation Regulations*.

Please be reminded that all oil and gas activities are to meet the minimum requirements of the *Canada Oil and Gas Production and Conservation Regulations*, the *Oil and Gas Occupational Safety and Health Regulations* and the *Canada Labour Code, Part II*.

Attached please find an approved "Approval to Alter Condition of a Well" form for each well along with specific conditions found in the attachment. Should you have any questions please contact Chris Knoechel at 299-3866.

Yours sincerely,

T. M. Baker
Chief Conservation Officer

cc. M. Fortier (DIAND)

444 Seventh Avenue SW
Calgary, Alberta T2P 0X8

444, Septième Avenue S.-O.
Calgary (Alberta) T2P 0X8

Canada

Telephone/Téléphone : (403) 292-4800
Facsimile/Télécopieur : (403) 292-5503
<http://www.neb-one.gc.ca>

ATTACHMENT
Paramount et al Cameron I-16
Paramount et al Cameron D-49
Paramount et al Cameron L-47

1. The Approval to Alter Condition of a Well form is to be displayed in a prominent place on the drill site as per section 103 of the *Canada Oil and Gas Drilling Regulations*. Also, copies of the *Canada Oil and Gas Drilling Regulations* as well as the *Oil and Gas Occupational Safety and Health Regulations* are to be kept at the drill site and available on request by any person on the drill site (section 102 of the *Canada Oil and Gas Drilling Regulations* and paragraph 125.(1)(e) of the *Canada Labour Code, Part II*, respectively).
2. Well suspension or abandonment operations are required to meet the requirements of the *Canada Oil and Gas Drilling Regulations*. Upon program termination a "Well Termination Record" is required to be submitted complete with a wellbore schematic.
3. Please submit 2 paper copies of any final log prints and all digital log files in LASII format on compact disc. Please ensure compact discs are maximized.
4. Additional information to be filed with the Chief Conservation Officer includes a description of fluid samples. Analyses performed on any pressure and temperature data are to be submitted.
5. Paramount shall implement or cause to be implemented all of the policies, practices, mitigative measures, recommendations and procedures for the protection of the environment referred to in its application.
6. Paramount shall within 30 days of the completion of the drilling program file with the Chief Conservation Officer a confirmation, by an officer of the company, that the approved Project was completed in compliance with all applicable conditions in the Approval to Alter Condition of a Well. If compliance with any of these conditions cannot be confirmed, the officer of the company shall file with the Chief Conservation Officer details as to why compliance cannot be confirmed.
7. Paramount shall meet the Guideline for Ambient Air Quality Standards in the Northwest Territories when conducting any flaring.



APPROVAL TO ALTER CONDITION OF A WELL

This application is to be submitted to the Chief Conservation Officer at least 45 days before commencement of operations.

Well Name:	Paramount Et Al Cameron I-16	Well ID:	1482
Operator:	Paramount Resources Ltd.	Depth:	1490.0m
Operating License No.:	1089	Drilling Rig or Unit:	CONCORD #41
Contractor:	Concord Well Servicing Ltd.	Grid:	60-30-120-30
Area:	Cameron Hills, Nwt	Long.:	117°32'01.8"
Coordinates: (NAD 27)	Surface Lat.: 60°5'42.5" Bottom Hole Lat: " " "	Long.:	" " "
Date ADW issued:	18/Jan/1995	Date of last Operation:	18/Mar/1991
Elevation-KB/RT:	735.4m	GL / Seafloor:	731.4m
Approx. Spud Date:	20/Jan/2005	Est. Days on Location:	7

TYPE OF OPERATION

To re-complete the well as a Slave Point gas well.

SUMMARY OF PROPOSED OPERATIONS

(See the attached detailed workover program)

Remove the top section of the wellhead.
Install the BOP's.
Pull production tubing.
Set bridge plug above the Keg River perforations.
Perforate the Slave Point.
Stimulate the Slave Point with selective acidizing tools.
Run production tubing.
Remove the BOP's and re-install the upper section of the wellhead.
Swab flow the Slave Point on cleanup.
Perform production test.

Signed: Dave Block
Responsible Officer

Title: Engineering Consultant

Name: Dave Block

Operator: Paramount Resources Ltd.

Date: Jan 13/05

Phone: (403)206-3834

NEE USE ONLY

An approved copy of this notice is to be posted at each drillsite. This operation is authorized under Section 5.(1)(b) of the Canada Oil and Gas Operations Act (O-7) and is subject to the terms and conditions attached to this authorization.

Well Status Before Operation:

Suspended ☐

Completed ☒

Abandoned ☐

Date: Feb 2/05

File: 9211-E009-1-2

WID: 1482

UWI: 3001166010117302

Signed: JM Baker

Chief Conservation Officer



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APPROVAL TO ALTER CONDITION OF A WELL

This application is to be submitted to the Chief Conservation Officer at least 45 days before commencement of operations.

Well Name:	Paramount Et Al Cameron D-49	Well ID:	1973
Operator:	Paramount Resources Ltd.	Depth:	1582.0m
Operating License No.:	1089	Drilling Rig or Unit:	CONCORD #41
Contractor:	Concord Well Servicing Ltd.	Grid:	60-10-117-30
Area:	Cameron Hills, Nwt	Long.:	117°38'56.8"
Coordinates: (NAD 27)	Surface Lat.: 60°8'10.4" Bottom Hole Lat.: " " "	Long.:	" " "
Date ADW issued:	06/Dec/2002	Date of last Operation:	5/Mar/2003
Elevation-KB/RT:	731.5m	GL / Seafloor:	725.6m
Approx. Spud Date:	10/Feb/2005	Est. Days on Location:	7

TYPE OF OPERATION

To re-stimulate the Sulphur Point perforations.

SUMMARY OF PROPOSED OPERATIONS

(See the attached detailed workover program)

Remove the top section of the wellhead.
Install the BOP's.
Pull production tubing.
Set bridge plug above the Keg River perforations.
Run the production tubing.
Remove the BOP's and install the wellhead.
Acid frac the Sulphur Point.
Swab flow the Sulphur Point on cleanup.
Perform production test.

Signed:	<u>Dave Block</u>	Title:	Engineering Consultant
	Responsible Officer		
Name:	Dave Block	Operator:	Paramount Resources Ltd.
Date:	Jan 27/05	Phone:	(403)206-3834

NEED-USE ONLY

An approved copy of this notice is to be posted at each drillsite. This operation is authorized under Section 5.1(b) of the Canada Oil and Gas Operations Act (O-7) and is subject to the terms and conditions attached to this authorization.

Well Status Before Operation:
Suspended ☐
Completed ☒
Abandoned ☐

Date:	Feb 2/05	Signed:	<u>Y. M. Baker</u>
File:	9211-P033-20-3		Chief Conservation Officer
WID:	1973		
UWI:	300D496010117302		

Canada



APPROVAL TO ALTER CONDITION OF A WELL

This application is to be submitted to the Chief Conservation Officer at least 45 days before commencement of operations.

Well Name:	Paramount Et Al Cameron L-47	Well ID:	1736
Operator:	Paramount Resources Ltd.	Depth:	1565.0m
Operating License No.:	1089	Drilling Rig or Unit:	CONCORD #41
Contractor:	Concord Well Servicing Ltd.	Grid:	60-30-117-30
Area:	Cameron Hills, Nwt	Long.:	117°39'18.6"
Coordinates: (NAD 27)	Surface Lat.: 60°6'31.6" Bottom Hole Lat: " " "	Long.:	" " "
Date ADW issued:	02/Jul/1989	Date of last Operation:	05/Feb/2000
Elevation-KB/RT:	723.0m	GL / Seafloor:	719.3m
Approx. Spud Date:	25/Jan/2005	Est. Days on Location:	2

TYPE OF OPERATION

To pull the pump, rods and packer, run a tubing anchor, and rerun pump and rods.

SUMMARY OF PROPOSED OPERATIONS

(See the attached detailed workover program)

Pull pump and rods.
Install BOP's.
Pull production tubing, recovering packer,
Re-run tubing with tubing anchor.
Re-install the wellhead.
Re-run pump and rod string.

Signed:	<u>Dave Block</u>	Title:	Engineering Consultant
	Responsible Officer		
Name:	Dave Block	Operator:	Paramount Resources Ltd.
Date:	Jan 18/05	Phone:	(403)206-3834

NEB USE ONLY

An approved copy of this notice is to be posted at each drillsite. This operation is authorized under Section 5.(1)(b) of the *Canada Oil and Gas Operations Act* (O-7) and is subject to the terms and conditions attached to this authorization.

Well Status Before Operation:

Suspended	☐
Completed	☒
Abandoned	☐

Date: Feb 2/05
File: 9211-P033-4-2
WID: 1736 c
UWI: 300L476010117305

Signed: M. Becker
Chief Conservation Officer