

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 885-5050

Original—Department
 Duplicate—Bureau

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FEB 03 1990

REPORT OF SUBSURFACE INJECTIONS

DEPT OF MINERALS

Producer APACHE CORPORATION Month of DECEMBER, 1989

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	44,426.00	bbl	899	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	173,330.00	bbl	838	PALEOZIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature

Francisco Silva

Position

OPERATIONS CLERK II

Date

January 30, 1990

19

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DEPARTMENT OF MINERALS
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REPORT OF SUBSURFACE INJECTIONS

DEPT OF MINERALS

Producer APACHE CORPORATION Month of NOVEMBER, 1989.

Address 1700 Lincoln Street, Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	26,663.00	bbls	122	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	180,355.00	bbls	880	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Fronnie M. Silva*
 Position OPERATIONS CLERK II
 Date DECEMBER 29, 1989.

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of OCTOBER, 19 89

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	49,474.00	bbl	792	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	177,891.00	bbl	892	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Francisco Silva*
 Position OPERATION CLERK II
 Date November 29, 19 89

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS DEPT OF MINERALS

Producer APACHE CORPORATION Month of SEPTEMBER, 1989

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	46,420.00 bbl		845	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	163,472.00 bbl		967	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature Gronny M. Silva
 Position PRODUCTION TECHNICIAN
 Date September 20, 1989

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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REPORT OF SUBSURFACE INJECTIONS

DEPT OF MINERALS

Producer APACHE CORPORATION Month of AUGUST, 1988

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	49,666.00	bbl	1824	GARRETT VOLCANICS	5815-5936
Trap Springs	20X	175,669.00	bbl	1050	PALEOZIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Gronow Silva*
 Position PRODUCTION TECHNICIAN
 Date September 25, 1988

STATE OF NEVADA
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 400 W. King Street, Suite 106
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of JULY, 1988

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

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Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
TRAP SPRINGS						
Trap Springs	13	48,407.00 bbl		886	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	174,769.00 bbl		1007	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature [Handwritten Signature]
 Position PRODUCTION TECHNICIAN
 Date August 29, 1988, 1988

STATE OF NEVADA
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 400 W. King Street, Suite 106
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 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer ARACHE CORPORATION Month of JUNE, 19 89

Address 1700 Lincoln Street, Suite 1900, Denver, CO 80203-4519

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Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	47,832.00bbl		698	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	170,187.00bbl		891	PALEOZIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature [Handwritten Signature]

Position PRODUCTION TECHNICIAN

Date July 27, 19 89

STATE OF NEVADA
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 400 W. King Street, Suite 106
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION.. Month of MAY, 19 89

Address 1700 Lincoln Street., Suite 1900, Denver, CO 80203-4519

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Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
<u>TRAP SPRINGS</u>	13	45,801.00	bbls	693	GARRETT VOLCANICS	5815-5836
<u>TRAPSSPRINGS</u>	20X	175,222.00	bbls	894	PALEOZIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *[Handwritten Signature]*

Position PRODUCTION TECHNICIAN

Date June 26, 19 89

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of APRIL, 1989.

Address 1700 Lincoln Street, Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	44,475.00	bbls	748	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	158,335.00	bbls.	820	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Francisco Silva*

Position PRODUCTION TECHNICIAN

Date May 25, 1989.

STATE OF NEVADA
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 400 W. King Street, Suite 106
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of MARCH, 19 89

Address 1700 Lincoln Street, Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	48,407.00	bbl	710	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	174,066.00	bbl	817	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *L. Vannoy Shaw*
 Position PRODUCTION TECHNICIAN
 Date April 24, 19 89

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of FEBRUARY, 1989

Address 1700 Lincoln St., Suite 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	47,107.00	bbls	610	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	156,366.00	bbls	817	PALEOZIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *[Handwritten Signature]*

Position PRODUCTION TECHNICIAN

Date March 20, 1989

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of JANUARY, 19 89

Address 1700 Lincoln St., Ste 1900, Denver, CO 80203-4519

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
<u>TRAP SPRINGS</u>						
Trap Springs	13	48,621.00	bbl	769	CARRETT VOLCANICS	5815-5936
Trap Springs	20X	160,748.00	bbl	1128	PALEOZOIC	5050-5160

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature [Handwritten Signature]
 Position PRODUCTION TECHNICIAN
 Date FEBRUARY 27, 19 89

STATE OF NEVADA
DEPARTMENT OF MINERALS

400 W. King Street, Suite 106
Carson City, Nevada 89710
(702) 885-5050

Original—Dept. Well File
Duplicate—Dept. NBM&G File

REPORT OF SUBSURFACE INJECTIONS

Producer... Makoil, Inc. Month of December, 1989...

Address... 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or bbl.			
Trap Spring/Munson Ranch	24-3		54,266	800 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature... *Greg Kozlowski*

Position... Consultant

Date... October 30, 1990

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 885-5050

Original—Dept. Well File
 Duplicate—Dept. NBM&G File

REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of November, 19 89

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		53,602	800 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Gross Hydro*

Position Consultant

Date October 30, 19 90

STATE OF NEVADA
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 400 W. King Street, Suite 106
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 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of October, 1989
 Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		55,020	775 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature Greg Hofmann

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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400 W. King Street, Suite 106
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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of September, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		47,289	750 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Greg Hoffmann*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of August, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		46,764	750 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Gregg Kraylow*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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400 W. King Street, Suite 106
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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of July, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		43,594	675 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Greg Hofmann*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
DEPARTMENT OF MINERALS

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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of June, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		42,689	650 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Bess Kaylenk*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
DEPARTMENT OF MINERALS

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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of May, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		36,416	650 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Greg Roglund*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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400 W. King Street, Suite 106
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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of April, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Cas or other	MCF or bbl.			
Trap Spring/Munson Ranch	24-3		39,023	650 psi	Volcanics	4,730'

Remarks:

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Signature *Greg Koglund*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer... Makoil, Inc. Month of March, 1989

Address... 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or Bbl.			
Trap Spring/Munson Ranch	24-3		42,470	650 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature... [Signature]

Position... Consultant

Date... October 30, 1990

STATE OF NEVADA
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(702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of February, 1989

Address 2450 Chandler, Suite 1
Las Vegas, NV 89120

Show each injection well separately. File not later than 15th of month immediately following month covered by this report.

Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or bbl.			
Trap Spring/Munson Ranch	24-3		33,743	650 psi	Volcanics	4,730'

Remarks:

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Signature *Greg Kozlowski*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer.....Makoil, Inc......

Month of.....January....., 1989..

Address.....2450 Chandler, Suite 1
Las Vegas, NV 89120.....

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Field and lease name	Well No.	Fluids injected		Injection pressure	Reservoir formation	Reservoir depth
		Gas or other	MCF or bbl.			
Trap Spring/Munson Ranch	24-3		41,536	650 psi	Volcanics	4,730'

Remarks:

I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature.....*Gregg Hoffmann*.....

Position.....Consultant.....

Date.....October 30....., 1990..