

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

Original—Department
 Duplicate—Bureau

REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of DECEMBER, 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	45,322.000	bbl	426	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	152,307.00	bbl	1038	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 *Yvonne M. Silva*
 Position PRODUCTION TECHNICIAN
 Date January 25, 1988

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

Original—Department
 Duplicate—Bureau

REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of NOVEMBER, 1988

Address 1200 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	48,693.00	bbl	536	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	166,656.00	bbl	864	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 December 21, 1988

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

Original—Department
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of OCTOBER, 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	51,905	.00 bbl	582	GARRETT RANCH VOLCANICS	5815-5836
Trap Springs	20X	174,494	.00 bbl	761	PALEOZIC	5050-5166

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 *Guillermo Silva*
 Position PRODUCTION TECHNICIAN
 Date November 23, 1988

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

Original—Department
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of SEPTEMBER, 1988

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	52,472.00	bbl	668	GARRETT RANCH VOLCANICS	5815-5830
Trap Springs	20X	166,242.00	bbl	900	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 _____

Position PRODUCTION TECHNICIAN

Date October 24, 1988

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

Original—Department
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of AUGUST, 1988

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	50,461	00 bbls	465	GARRETT RANCH VOLCANICS	5915-583
Trap Springs	20X	171,095	00 bbls	731	PALEOZIC	5050-516

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 *Quentin M. Schae*
 Position PRODUCTION TECHNICIAN
 Date September 20, 1988

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 JULY, 1988

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	53,031.00	bbl	595	GARRETT RANCH VOLCANICS	5815-581
Trap Springs	20X	174,107.00	bbl	899	PALEOZIC	5040-511

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 30, 1988

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 JUNE, 1988

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

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	45,017.00 bbl		400	GARRETT RANCH VOLCANICS	5815-5836
Trap Springs	20X	137,900.00 bbl		799	PALEOZIC	5040-5160

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 *Gloria M. Silva*
 Position PRODUCTION TECHNICIAN
 Date July, 14, 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 MAY, 1988

Address 1700 Lincoln St., Ste. 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	52,157.00	bbl	522	GARRETT RANCH VOLCANICS	5815-5836
Trap Springs	20X	133,014.00	bbl	1205	PALEOZIC	5040-5160

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 [Signature]

Position PRODUCTION TECHNICIAN

Date June 23, 1988

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 APRIL, 19 88

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

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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	47,638	.00bbls	882	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	357,948	.00bbls	1040	Paleozic	5040-5160

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 May 26, 19 88

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

Original—Department
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of MARCH, 1988

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	53,489	.00	1119	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	179,104	.00	909	Paleozic	5040-5160

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 *Quonny Silva*
 Position PRODUCTION TECHNICIAN
 Date April 14, 1988

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 FEBRUARY, 1988

Address 1700 Lincoln St., STE 1900, Denver, CO 80203

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	51,124.00	bbls	1244	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	175,119.00	bbls	749	Paleozic	5040-5160

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 *Guillermo Silva*
 Position PRODUCTION TECHNICIAN
 Date March 14, 1988

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

Original—Department
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REPORT OF SUBSURFACE INJECTIONS FEB 24 1988

Producer APACHE CORPORATION Month of JANUARY DEPT OF MINERALS 1988

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	38,204	.00 bbls	498	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	154,810	.00 bbls	614	Paleozic	5040-5160

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 *Gyonne M. Silva*
 Position PRODUCTION TECHNICIAN
 Date February 17, 1988

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&C File

REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of December, 1988

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		43,400	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 Hylton*

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, 1988
 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		42,000	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 Hylton*

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 October, 1988

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		28,461	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 Holcomb*

Position Consultant

Date October 30, 1990

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

Producer Makoil, Inc. Month of September, 1988

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		43,573	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 *Mrs. Kozlowski*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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 Carson City, Nevada 89710
 (702) 885-5050

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of August, 1988

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		44,465	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 *Guss P. ...*

Position Consultant

Date October 30, 1990

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 Makoil, Inc. Month of July, 1988

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		30,231	650psi	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 *Bug Hylton*

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

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Duplicate—Dept. NBM&G File

REPORT OF SUBSURFACE INJECTIONS

Producer... Makoil, Inc. Month of June, 19...88

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		29,256	650psi	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 Holzner*

Position... Consultant

Date... October 30, 19...90

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 Makoil, Inc. Month of May, 1988

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		26,391	550psi	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 Holzworth

Position Consultant

Date October 30, 1990

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

Producer Makoil, Inc. Month of April, 1988

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		25,938	550psi	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 Holzner*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer: Makoil, Inc. Month of March, 1988

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		26,812	530psi	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 Holcomb*

Position: Consultant

Date: October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of February, 1988

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		25,225	500psi	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 Highland*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of January, 1988

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		26,639	500psi	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 *[Handwritten Signature]*

Position Consultant

Date October 30, 1990