

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, 1987

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	44,307	.861 bbls	894	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	157,626	.00 bbls	974	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 January 27, 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 **DEPT OF MINERALS**

Producer APACHE CORPORATION Month of November, 19 87

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	13	50,721	.00 bbls	1158	Garrett Ranch Volcanics	5815-5836
Trap Springs #20	20	175,965	.00 bbls	1118	Paleozoic	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 G. J. Silva

Position PRODUCTION TECHNICIAN

Date January 3, 19 88

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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 OCTOBER, 1987

Address 1700 Lincoln St., Suite 1900, Denver, CO 80208-4519

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	58,464.00	bbls	732	Garrett Ranch Technics	5815-5836
Trap Springs	20X	200,486.00	bbls	981	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) Silva

Position PRODUCTION TECHNICIAN

Date November 24, 1987

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 SEPTEMBER, 1987

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	63,028	.00 bbls	852	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	1,517	.00 bbls	1200	Paleozoic	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 *Guerrero D. Silva*
 Position PRODUCTION TECHNICIAN
 Date September 19, 1987

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 AUGUST, 19 87

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	39,021	.00 bbls	556	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	159,766	.00 bbls	914	Paleozoic	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 September 24, 19 87

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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of JULY, 1987

Address 1700 Lincoln St., Ste. 1900, Denver, CO 80202-4519

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	54,963	.00 bbls.	1020	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	178,713	.00 bbls.	1204	Paleozoic	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 August 26, 1987

STATE OF NEVADA
DEPARTMENT OF MINERALS
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of JUNE, 1987

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	13	40,282	.00 bbls.	858	Garrett Ranch Volcanics	5815-5836
Trap Springs 20X	20X	172,527	.00 bbls.	1206	Paleozic	5040-5160

Remarks:

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Signature Guanne M. Silva

Position Production Technician

Date July 21, 1987

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORATION Month of MAY, 1987

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	29,503	.00 bbls.	335	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	174,492	.00 bbls.	810	Paleozic	5004-5160

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 *Howard M. Silva*
 Position PRODUCTION TECHNICIAN
 Date June 30, 1987

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, 1987

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	14,628.00 bbls.		0	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	143,869.00 bbls.		951	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 Gyenne M. Silva
 Position Production Technician
 Date May 27, 1987

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 MARCH, 1987

Address 1700 Lincoln St., Suite 4900, 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	10,307.00 bbls.		0	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	169,214.00 bbls.		799	Paleozic	5000-5160

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 *Giovanna M. Silva*
 Position PRODUCTION TECHNICIAN
 Date April 27, 1987

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 FEBRUARY, 1987

Address 1700 Lincoln Street., Suite 4900., 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	33,052.00	bbls.	388	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	175,265.00	bbls.	958	Paleozoic	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 *Guonem Silva*
 Position PRODUCTION TECHNICIAN
 Date March 30, 1987, 1987

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 JANUARY, 19 87

Address 1700 Lincoln St., Suite 4900, 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	44,932	.00bbls	798	Garrett Ranch Volcanics	5815-5836
Trap Springs	20X	180,177	.00bbls	900	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 *Guornton Siles*
 Position PRODUCTION TECHNICIAN
 Date February 20, 19 87

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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 December, 1987

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		18,932	450psi	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 Bylandt*

Position Consultant

Date October 30, 1990

STATE OF NEVADA
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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of November, 1987.

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		17,077	400psi	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

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of October, 1987
 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		17,646	325psi	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 Koglarich*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of September, 1987

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		17,667	300psi	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 Koflund*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of August, 1987
 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		19,120	300psi	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 H. [Signature]

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of July, 1987
 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		19,480	300psi	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 Buzz Ryland

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of June, 1987
 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		19,515	300psi	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 *Gus Kozlowski*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of May, 1987.

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		19,474	300psi	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 K. Glavin*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of April, 1987

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		17,725	300psi	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 *Guy H. Boyd*

Position Consultant

Date October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of March, 1987

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		19,180	300psi	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

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REPORT OF SUBSURFACE INJECTIONS

Producer: Makoil, Inc. Month of February, 1987

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		16,595	300psi	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: *Miss Keflowich*

Position: Consultant

Date: October 30, 1990

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REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc. Month of January, 1987

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		18,545	300psi	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 *Russ Kozlovski*

Position Consultant

Date October 30, 1990