DEPARTMENT OF MINERALS

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

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REPORT OF SUBSURFACE INJECTIONS 1990

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- F		8 39*	79.75 E	74"	14 Sel	28	Ř.	35.

Producer.	APACHE	CORPO	PATIC)N		Month	of	DECEMBER ,	***************************************	19 <u>89</u>
Address	L700 Lir	nooln	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.

		Fluids injected				
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS						
Trap Springs	in the state of th	44,42	dd oo.	1 899	GARRETT VOLCANICS	581 5-581
Trap Springs	20X	173,33	dd oo.0	I 838	PALEOZIC	5050- 51:

			TALLES AND A THE PROPERTY OF T			

Remarks:

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

Position 'OPERATIONS CLERK II

Date January 30, 1990 , 19

Original—Department Duplicate—Bureau

DEPARTMENT OF MINERALS

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

RECEIVED

JAN 0 0 1990

REPORT OF SUBSURFACE INJECTIONS

DFFT C	FMNEDAIS
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Producer_APACHE_CORPORATION	Month of	NOVEME	RER, 1939	9
Address 1700 Lincoln Street, Suite 1900,	Denver,	co 80	203-4519	

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

	Fluids injected				_	
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS			and the state of t			
Trap Springs	13	26,66	dd 00.8	ls 122	GARRETT VOLCANICS	581 5-583
Trap Springs	20x	180,35	5.00 bb	ls 880	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.

Position DERATIONS CLERK II

Date DECEMBER 28 , 1989

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

		Fluids injected				
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS						
Trap Springs	13	49,474	.00 bbl	792	GARRETT VOLCANICS	5815- 58
Trap Springs	20x	177,891	.00 bbL	892	PALEOZIC	5050-51
	,	^				

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

R ***	ODEDNOTO	DE CLERK II	
osition		76	•

Date November 29 , 19.89

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 885-5050 Original—Department
Duplicate—Bureau

OCT #8 1989

REPORT OF SUBSURFACE INJECTIONS DEPT OF MINERALS

-		1 50.24-	injected			month covered	
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth	
TRAP SPRINGS							
Trap Springs	Year, T	46,420	.00 bb1	845	CARRETT VOLCANICS	5815 -583	
Trap Springs	20X	163,472	.00 bbl	967	PALEOZIC	5050-516	
						1	

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

Position	PRODUCTION TECHNICIAN

Signature Yvonny Silva

DEPARTMENT OF MINERALS

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

RECEIVED

SEP 2 9 1989

REPORT OF SUBSURFACE INJECTIONS

DEPT OF	MINERALS
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	1	Fluids injected		tion Reservoir	Reservoir
Field and lease name	Well No.		For pressibl.		depth
TRAP SPRINGS					
Trap Springs	13	49,666. 00	bb 182	24 GARRETT VOLCANICS	5815-593
Prap Springs	20x	175,669.00	101 101	50 PALEOZIC	5050-516
			- to the filter and t		

Remarks:

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

Position PRODUCTION THEHNICIAN

Date Sentember 25 , 1989

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

	Fluids i	njected	A Proposition of the Proposition			
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS					GARRETT	
Trap Springs		48,40	7.00 bb]	886	VOLCANICS	581 5-58
Trap Springs	20%	174,769).00 bb]	1007	PALEGZIC	5050-51
			THE PERSON NAMED IN COLUMN 1			

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

Sionature	A. 1. (M)	<u> </u>	
	√	N TECHNICIAN	
	% / / / / / / / / / / / / / / / / / / /		* ^

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

		Fluids inj	ected			71777
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoit depth
			man year or the second of the			
TRAP SPRINGS						
Trap Springs	13	47,832	rdd000.	698	GARRETT VOLCANICS	5815-583
Trap Springs	20x	170,187	.00bb1	891	PALEOZIC	5050-5160
	TALLALLA			•		
•	. Section of the sect					

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

Signature.	<u></u>	<u> </u>	L. E. L.
Position	PRODUCTION	TECHNICIAN	
Date	July 27		1089

MAY , 1989

STATE OF NEVADA

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

Month of.....

Producer APACHE CORPORATION ..

		Fluids	njected	Injection	Reservoir	Reservoir
Field and lease name	Well No.	Gas or other	MCF or Bbl.	pressure	formation	depth
TRAP SPRINGS						
TRAP SPRINGS	13	45,80	.00bbls	693	GARRETT VOLCANICS	58 15-58 3
TRAPSSPRINGS	20x	175,22	2.00bls	894	PALEOZIC	5050-5160
arks:						

report has been omitted.

Position PRODUCETOR TECHNICIAN

Date June 26 , 19 89

DEPARTMENT OF MINERALS

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

Original — Department
Duplicate — Bureau

REPORT OF SUBSURFACE INJECTIONS

Producer APACHE CORPORAT	IOM		Month of	APRIL	·	, 19.89.
Address 1800 Lincoln Str	eet. Suit	ie.1900,	Denver	, co 80:	203-4519	
Show each injection well sepa by this report.	arately. File r	not later the	an 15th of	month imme	diately following	month covered
		Fluids	injected	To be a Africa		
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS				٧		T T T T T T T T T T T T T T T T T T T
Trap Springs	13	44,47	5.00 bb	ls 748	GARRETT VOLCANICS	58 15-5836
Trap Springs	20X	158,33	5.00 bb	ls. 820	PALEOZIC	5050-5160
						4804
						Market property massack & & & & & & & & & & & & & & & & & & &
			-			
			To the same of the			Total Control of the
Remarks:	AND THE PROPERTY OF THE PROPER	E CONTRACTOR CONTRACTO	de minimización en en communicación de la minimización de la minimizac	7-20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		

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

	/		
Position	PRODUCTION.	IRCERICIAN	

Signature Anna 17 Silva

Date	Man) K		1 6		
E/G28		ive and experience.	,	A.	7 . ješ	

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

this report.	poracciy. I sie ii	or iater the	in Lyth Of Re		diately following	month covered
Field and lease name	Well No.	Fluids Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS						
Trap Springs	**************************************	48,407	dd 00.	710	GARRETT VOLCANICS	5815-5836
Trap Springs	20X	174,066	,00 bbl	817	PALEOZIC	5050-5160
			at allege and a second a second and a second a second and			THE PERSON NAMED IN COLUMN TO THE PE
			# T			

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

22000000	7	
Position	#RODUCTION	
		and the

ate April 24, , 19 89

DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

	is report.			for four for the second		The second of Planck and Advisor and Advis
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS			÷			
Trap Springs	(((((((((((((((((((47,107	:00 bb:	s 610	GARRETT VOLCANICS	581 5-583(
Trap Springs	20%	156,366	.dd 00.	Ls 817	PALEOZIC	5 050- 5160
			•			

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

Signature	1/42/20	en Camero
	PRODUCTION	
Date	March 20	 , 19 <u>_89</u>

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 885-5050 RECEONSINAL—Department Duplicate—Bureau

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DEPT OF MINERALS

REPORT OF SUBSURFACE INJECTIONS

		Fluids	injected		1	
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
TRAP SPRINGS						
Trap Springs	13	48,62	1dd 00.	769	GARRETT VOLCANICS	5815-583
Trap Springs	20x	160,748	1dd 00.1	1128	PALEOZIC	5050~516
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I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has been omitted.

Signature	<u> </u>	Silver
	PRODUCTION TECHNICI	
Date	FEBRUARY 27	. 19 83

Month of December , 1989

STATE OF NEVADA DEPARTMENT OF MINERAL

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

REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc.

Field and lease name		Fluids injected				
Field and lease name	Well No.	Gas or other	MCF or	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		54,266	800 psi	Volcanics	4,730
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marks:						·
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Date October 30 , 19.90

Month of November , 19 89

STATE OF NEVADA DEPARTMENT OF MINERALS

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

REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc.

	•	Fluids	Injected			
Field and lease name	Well No.	Gas or other	MCF or 8bt.	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		53,602	800 psi	Volcanics	4,730
				,	***************************************	

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			7.5.	70.0		
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I certify this information to be true, con omitted.	rrect and co	mplete an	that no peri	tinent matter in	quired about in th	is report h
		Sim	natura	<i>Y</i> 2	Heforeh-	

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

REPORT OF SUBSURFACE INJECTIONS

Field and lease name		Fluids	injected			
ricid and lease name	Well No.	Gas or other	MCF or libl.	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		55,020	775 psi	Volcanics	4,730
	7 33 400					
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narks:						· · · · · · · · · · · · · · · · · · ·
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Position Consultant

Date_October 30 , 19_90

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

REPORT OF SUBSURFACE INJECTIONS

Fr ta		Fluid	s injected			
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		47,289	750 psi	Volcanics	4,730
			770			

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been omitted.

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

REPORT OF SUBSURFACE INJECTIONS

F. 11		Fluid	s injected			
Field and lease name	Well No.	Gas or other	MCF or libi.	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		46,764	750 psi	Volcanics	4,730
					1 100	
			7.0			
					- POTENTIAL - 1/2	
	The statement of the st					
7				The state of the s		

I certify this information to be true, been omitted.	correct and complete and that no pertinent matter inquired about in this report has
	Signature Des Boslows.
	Position Consultant
	Date October 30 , 19.90

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

REPORT OF SUBSURFACE INJECTIONS

Field and lease name		Fluid	s injected			
	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
ap Spring/Munson Ranch	24-3	***************************************	43,594	675 psi	Volcanics	4,730
	77.					
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	The state of the s					
				Trevillen		
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I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has

been omitted.

Position Consultant

Date_October 30 ______, 19_90

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

REPORT OF SUBSURFACE INJECTIONS

Fr.13		Fluid	s injected			
Field and lease name	Well No.	Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
Trap Spring/Munson Ranch	24-3	The state of the s	42,689	650 psi	Volcanics	4,730
			77.6			·
	The state of the s					
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I certify this information to be true, correct and complete and that no pertinent matter inquired about in this report has

Position Consultant

Date October 30

been omitted.

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

REPORT OF SUBSURFACE INJECTIONS

Producer <u>Makoil, Inc</u> ,	****************		*****	Month of Ma	ay	10 80
Address 2450 Chandler, S Las Vegas, NV E Show each injection well separatel	Suite 1 9120	· · · · · · · · · · · · · · · · · · ·	********			
report.	1			miniculatery	Tollowing month	covered by thi
Field and lease name	Well No.	Fluids Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
Trap Spring/Munson Ranch	24-3		36,416	650 psi	Volcanics	4,730'
						·
	71					
		7, T				
	S TO THE STATE OF					
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

Consultant

Date

October 30

, 19.90

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

REPORT OF SUBSURFACE INJECTIONS

1 Mai No.	Well No. Gas or MCF or		Injection		
veel ivo.	Cas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservair depth
h 24-3		39,023	650 psi	Volcanics	4,730
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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	h 24-3			301.	h 1011 2

Position Consultant

Date_October 30 , 19.90

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

REPORT OF SUBSURFACE INJECTIONS

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

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	700		77.00		1977	
			**************************************	THE PERSON NAMED IN COLUMN TO THE PE		

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

Position Consultant

Date October 30 , 19 90

been omitted.

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

REPORT OF SUBSURFACE INJECTIONS

Field and lease name		Fluids injected				
	Well No.	Gas or other	MCF or Jibl.	Injection pressure	Reservoir formation	Reservoir depth
Trap Spring/Munson Ranch	24-3		33,743	650 psi	Volcanics	4,730
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				1000		
	77 - 78 - 11114			7.0		
		mid				
marks:		<u> </u>				
emarks:						

Date October 30 , 19 90

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

REPORT OF SUBSURFACE INJECTIONS

Producer Makoil, Inc.

Field and lease name	Well No.	Fluids injected				
		Gas or other	MCF or Bbl.	Injection pressure	Reservoir formation	Reservoir depth
rap Spring/Munson Ranch	24-3		41,536	650 psi	Volcanics	4,730
			77.11.11.11.11.11.11.11.11.11.11.11.11.1			
			7			
				10.000		
narks:						

Date October 30 , 19 90