

PSA-R-2003-2-27


CLEARWATER
 GROUP
 Environmental Services

FACSIMILE TRANSMITTAL SHEET

TO: Scott Seety	FROM: Brian Pierskalla
COMPANY: ACHCSA	DATE: 2/27/2003
FAX NUMBER: 510-337-9335	TOTAL NO. OF PAGES INCLUDING COVER: 2
PHONE NUMBER: 510-567-6783	SENDER'S REFERENCE NUMBER: 510-307-9943 x 231
RE: Sunol Tree Gas Preliminary Site Assessment Well Spy Log	YOUR REFERENCE NUMBER: CP032F

URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

NOTES/COMMENTS:

Dear Scott:

Please see attached Preliminary Site Assessment Log from Well Spy for the Sunol Tree Gas site on Andrade Road, Sunol. We also have a VCR tape of the down-well camera, which I have perused about half of the tape. The well looked very flocculated with rust/iron scaling. No evidence of vertical damage was apparent. Please call me with any questions at (510) 307-9943 x 231.

Regards,



Brian Pierskalla

Project Manager

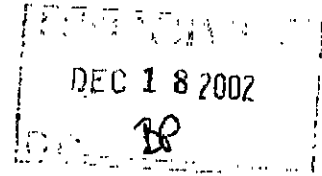
Well Spy

WATER WELL SURVEYS

Roz 448

December 13, 2002

Clear Water Group
229 Tewksbury Ave.
Richmond, CA 94801



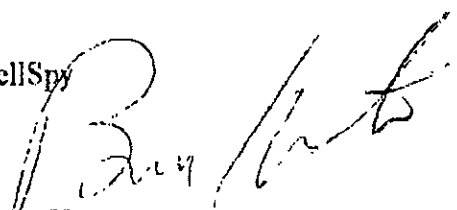
Attn: Brian Pierskalla

Observation report on survey performed December 12, 2002 for Sunol Tree Gasoline Station, located at 3004 Andrade rd in Alameda County.

- 1) Well ID on top is 10". The well is under a diamond plate cover and is 12" below the level of the surrounding concrete driveway.
- 2) Zero datum marked at top of the concrete driveway. All side view depths are 18" less than indicated on the monitor.
- 3) 19' Static water level.
- 4) 53' Casing appears to be slightly oblong in this area.
- 5) 55' Clean spot on the casing. Layer of rust was broke off the casing wall.
- 6) 60' First evidence of Mills knife perforations in the casing.
- 7) 62' One perforation is evident with water movement.
- 8) 67' One perforation is evident with water movement.
- 9) 101' One perforation is evident with water movement.
- 10) 103' One perforation is evident with water movement.
- 11) 153' Bottom of the well.
- 12) Note: There appears to be some biological growth on the casing walls.
- 13) Note: There may be more perforations in the well that are plugged or encrusted but not visible.

Thank you for choosing WellSpy for your well video service.

WellSpy



Bruce Hunter

PSA_R_2003-2-27

CLEARWATER

G R O U P

Environmental Services

FACSIMILE TRANSMITTAL SHEET

TO:	Scott Seery	FROM:	Brian Pierskalla
COMPANY:	ACHCSA	DATE:	2/27/2003
FAX NUMBER:	510-337-9335	TOTAL NO. OF PAGES INCLUDING COVER:	6
PHONE NUMBER:	510 567-6783	SENDER'S REFERENCE NUMBER:	510-307-9943 x 231
RP:	Sunol Tree Gas Preliminary Site Assessment Draft Boring Logs	YOUR REFERENCE NUMBER:	CP032F

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS

Dear Scott:

Please see attached Preliminary Site Assessment Draft Boring Logs for the Sunol Tree Gas site on Andradic Road, Sunol. Please call me with any questions at (510) 307-9943 x 231.

Regards,



Brian Pierskalla

Project Manager

DRAFT

SOIL BORING AND WELL CONSTRUCTION LOG: CLEARWATER GROUP INC.

Project No. **CP632F**

Sheet 1 of 1

FIELD LOCATION OF BORING:		CLIENT/LOCATION: SUMMIT Rtg GAS		PLANNED USE: Temp	BORING DEPTH: 20'	BORING/WELL NO: B-1	
2 N	● B-1 D / Canada	DRILLING CONTRACTOR: FAST TEK		DRILLING TYPE: DPT	WELL DEPTH: 7	BORING DIAMETER: 2"	
		DRILLER/OPERATOR:		WELL MATERIAL:	SCREEN SLOT SIZE:	FILTER PACK:	
WELL SEAL:				DRILLING DATE: 11/27/02			
WELL CONSTRUCTION DETAIL	SAMPLING:				SAMPLING METHOD:		
	SP. GRAV. INTERVAL	INTERVAL	DESCRIPTION	ANAL. LAB.	MONITORING INSTRUMENT:	FIRST ENCOUNTERED WATER DEPTH:	
DEPTH (FEET)	OVERREADING (FT)	ESTIMATED PERCENT:		SLAB (WATER DEPTH) DATE:			
		GRAVEL	SAND	FINES			
0918	0.0				6" CONC		
					SANDY GRAVEL, med brown, moist, med dense		
0925	0.0				SANDY GRAVEL WITH SILT, med brown, moist, DENSE 55% FINE TO MED GRAVEL TO 2"	4.5	
					20% SILT 15% MED SAND.		
0948	0.0				CLAY; BRN black, moist, med plastic - HIGH PLASTICITY, med stiff		
0950	0.0				CLAY turns to med brown, v. stiff LOW PLASTICITY		
1000	0.9				SANDY SILT, med brown, moist, 80% SILT, 20% FINE SAND, med stiff LOW PLAST - med PLACK	13.5	
					SANDY SILT W/GRAVEL, med brown, sat 70% SILT, 15% FINE-MED SAND, 15% med FINE GRAVEL		
					TD 20'		
					B-1-W SAMPLE 1015		

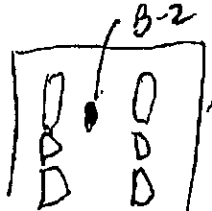
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DRAFT

SOIL BORING AND WELL CONSTRUCTION LOG:
CLEARWATER GROUP INC.

Project No. CP032F

Sheet 1 of 1

FIELD LOCATION OF BORING 		CLIENT/LOCATION SUNOL TRAIL GAS	PLANNED USE Temp	BORING DEPTH 24'	BORING/WELL NO. B-2
		DRILLING CONTRACTOR FASTNER	DRILL RIG TYPE DPT	WELL DEPTH	BORING DIAMETER 2"
		LOGGERS [Signature]	WELL MATERIAL	SCREEN SLOT SIZE	HYDR PACK
		WELL SEAL			DRILLING DATE 112702

WELL CONSTRUCTION DETAIL	SAMPLING			DEPTH (FEET)	CORRECTION	ESTIMATED PERCENT			DESCRIPTION
	BLOWS/INTERVAL	INTERVAL	ANALYTICAL			GRAVEL	SAND	FINES	
				1					
				2					
				3					
	0.0			4					Fill Sunny gravel, mod yll brown, sil moist 80% fine pcc gravel, 20% fine sand, med ^{plasticity} _{4.5}
				5					ML Sandy silt, mod mod brown, sil moist 90% silt, 10% v. fine sand v. stiff, med to high plasticity. Color change to dark brown around 6'
	0.0			8					
				11					SILT , mod yll brown - mod brown, sil moist stiff, med plasticity
	0.0			16					
				18					SANDY SILT , mod yll brown, sil moist med stiff, low plasticity, fuel odor, silty mottled staining
	1.5 ppm			20					
				21					
				21					SILTY SAND w/ gravel, dark yll brown, stiff. 60% silt, 25% med to coarse sand, 15% fine gravel, med to stiff, med plasticity fuel odor SATURATED
	0.9			21					TD 24'

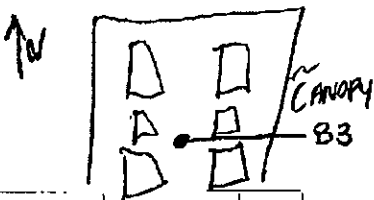
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SOIL BORING AND WELL CONSTRUCTION LOG: CLEARWATER GROUP INC.

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Project No CPO32F
Sheet 1 of 1

FIELD LOCATION OF BORING:



CLIENT/LOCATION

SUNOL TREE GAS

PLANNED USE

Temp

BORING DEPTH

20'

BORING/WELL NO.

B-3

DRILLING CONTRACTOR

FAST TEK

DRILL RIG TYPE

DPT

WELL DEPTH

BORING DIAMETER

2"

DRILL RIG OPERATOR

WELL MATERIAL

SCREEN SLOT SIZE

FILTER PACK

WELL SEAL

DRILLING DATE

11/27/02

FINISH

DRILLING START

TARGET BY

DATE TO BE

WELL CONSTRUCTION SERIAL	SAMPLING				WATER LEVEL	DEPTH (FEET)	CHANGING FEET	ESTIMATED PERCENT			GRAPHIC LOG	SAMPLING METHOD	MONITORING INSTRUMENT	FIRST ENCOUNTERED WATER DEPTH	SLAB WATER DEPTH - DATE
	BLOW-BY INTERVAL	INTERVAL	REGULATORY	ANALYTICAL				GRAVEL	SAND	FINES					
					7.9 ppm	1									
						2									
						3									
						4									
						5									
						6									
						7									
					0.0	8									
						9									
						10									
						11									
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						49									
						50									

GM

ML

Sandy

TD 20'

SOIL BORING AND WELL CONSTRUCTION LOG:
CLEARWATER GROUP INC.

DRAFT

Project No. **CP032F**
Sheet **1** of **1**

FIELD LOCATION OF BORING		CLIENT/LOCATION		PLANNED USE	BORING DEPTH	BORING/WELL NO.	
		Sunol Tree Gas		Temp	24'	B-4	
		DRILLING CONTRACTOR		DRILL RIG TYPE	WELL DEPTH	BORING DIAMETER	
		FAST TEK		DPT	2"	2"	
DRILL RIG OPERATOR		WELL MATERIAL		SCREEN SLOT SIZE	FILTER PACK		
WELL SEAL						DRILLING DATE	
						11/27/02	
WELL CONSTRUCTION DATA	SAMPLING				DEPTH (FEET)	GEOPHYSICAL LOG	SAMPLING METHOD
	LOGS IN INTERVAL	INTERVAL	RECOVERY	ANALYTICAL			
							FIRST ENCOUNTERED WATER DEPTH
							STAIR WATER DEPTH DAIL
							6" CONC
							SANDY Gravel, mod brown, st. moist, 55% fine red gravel, 15% fine to coarse sand, med dense
				0.0	B-4-4 1555		
				0.2	B-4-8 1557		SILT, GEN black, moist, med stiff, low to non plastic
				5.7	B-4-12 1600		SILT w/ gravel, mod brn, moist, v. stiff to hard 75% SILT, 25% med gravel sli-fuel odor
				6.3	B-4-16 1606		
				18.2 1640	B-4-20 1620		SANDY silt, mod ylw brown, st. moist 50% silt, 20% v. fine sand med stiff, low to med plasticity
					B-4-24 1645		
							B-4-W-1650 TD24

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SOIL BORING AND WELL CONSTRUCTION LOG: CLEARWATER GROUP INC.

Project No. **CP032F**

Sheet **1** of **1**

FIELD LOCATION OF BORING: <i>SW</i> 000000 TANKS B-5	CLIENT/LOCATION Sunol Tree GAS	PLANNED USE Temp	BORING DEPTH 25'	BORING/WELL NO. B-5
	DRILLING CONTRACTOR FAST TEK	DRILL RIG TYPE DPT	WELL DEPTH	BORING DIAMETER 2"
	DRILL RIG OPERATOR	WELL MATERIAL	SCREEN SLOT SIZE	FILTER PACK
	WELL SEAL			DRILLING DATE 11/27/02

WELL CONSTRUCTION DETAIL	SAMPLING				DEPTH (FEET)	CORRECTION (FEET)	ESTIMATED PERCENT			LOG DESCRIPTION	SAMPLING METHOD	MONITORING INSTRUMENT	FIRST ENCOUNTERED WATER DEPTH	STATIC WATER DEPTH DATE
	BLOW/5'S INTERVAL	RECOVERED	ANALYTICAL	WATER LEVEL			GRAVEL	SAND	FINES					
					1					Fill				
					4									
					5									
					8									
					9									
					13									
					17									
					18									
					19									
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					28									
					29									
					30									

6" CONC.
SANDY GRAVEL, MOD BROWN, SL. MOIST, 75% FINE PER GRAVEL, 15% FINE TO CRSE SAND, MED DENSE

ML Gravelly SILT, GRN BLACK, TO MOD BROWN SL. MOIST, STIFF TO HARD NON PLASTIC

SILT, MOD YLL BROWN, SL. MOIST, STIFF MED PLASTIC

SILT, MOTTLED MOD BRN, YLL BROWN, V. STIFF TO HARD TRACE GRAVEL

Gravelly SILT, MOD YLL BROWN, MOIST, MED STIFF, MED PLAST. 75% SILT, 25% MED GRAVEL

25'

FINISH
DRILLING START
LOGGED BY
APPROVED BY