ExxonMobil Environmental Services Company

4096 Piedmont Avenue #194 Oakland, California 94611 510 547 8196 Telephone 510 547 8706 Facsimile Jennifer C. Sedlachek Project Manager

RECEIVED

9:01 am, Jun 30, 2010

ExonMobil

June 29, 2010

Alameda County Environmental Health

Mr. Jerry T. Wickham Alameda County Health Care Services Agency 1311 Harbor Bay Parkway Alameda, California 94502-6577

Subject:

Well Destruction Report

Former Mobil Station 04H6J, 1024 Main Street, Pleasanton, California

ACHCSA File No. RO-2427

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Well Destruction Report* for the above-referenced site. The document, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, is being submitted in response to a letter from the Alameda County Health Care Services Agency dated April 28, 2010.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek

Project Manager

Attachment: ETIC Well Destruction Report

c: w/ attachment:

Mr. Abbas Masjedi - Pleasanton Utility Planning

Mr. Matthew Katen - Alameda County Flood Control and Water Conservation District, Zone 7 Water Agency

Mr. Paul L. Hulme - Pleasanton on Main, LLC

Mount Diablo National Bank

c: w/o attachment:

Mr. Bryan Campbell - ETIC Engineering, Inc.



29 June 2010

Ms. Jennifer C. Sedlachek ExxonMobil Environmental Services Company 4096 Piedmont Avenue, #194 Oakland, California 94611

Subject:

Well Destruction

Former Mobil Station 04H6J

1024 Main Street, Pleasanton, California

Dear Ms. Sedlachek:

On behalf of ExxonMobil Environmental Services Company, ETIC Engineering Inc. (ETIC) observed the destruction of 25 existing wells at the above-referenced site. The wells were properly destroyed in response to a letter from the Alameda County Health Care Services Agency (ACHCSA) dated 28 April 2010 (attached).

Between 15 and 17 June 2010, a total of 25 existing wells (MW1 through MW8, MW10 through MW12, RW1 through RW4, VMW1 through VMW4, and V1 through V6) were destroyed by Cascade Drilling of Rancho Cordova, California (C-57 license #938110). All wells except for vapor wells V1 through V6 were destroyed by pressure grouting the well casings with neat cement grout. In accordance with the Zone 7 Groundwater Protection Ordinance, the well casings were then removed at 2 feet below grade. Vapor wells V1 through V6 were destroyed by drilling out the casings and all well materials to the total depths with a hand auger.

All boreholes were backfilled with neat cement grout to approximately 1 foot below grade, concrete was added to fill the void to the surface, and the surface was restored to match the surrounding surface conditions. Well destruction activities were observed by an inspector from Zone 7.

Waste (construction debris and water) generated during the well destruction activities was contained in 55-gallon drums and stored at the site. The waste was removed from the site on 25 June 2010 by Dillard Environmental Services and transported for disposal to Republic facility in Livermore, California, and to the InStrat, Inc. facility in Rio Vista, California.

The former locations of the wells are shown on the attached site map (Figure 1). Well construction details for the destroyed wells are summarized in the attached well completion

reports. Department of Water Resources Forms 188 are completed and attached to this letter. In addition to the Forms 188, a copy of the Zone 7 well destruction permit is attached.

This concludes the work to be conducted on this project. Per your correspondence dated 28 April 2010, please issue a final closure letter at your earliest convenience. Thank you for your cooperation on this project.

If you have any questions or comments, please contact Hamidou Barry at (925) 602-4710 ext. 34 or Bryan Campbell at ext. 24.

Sincerely,

Hamidou Barry

Project Manager

Bryan Campbell, P.G. #7724

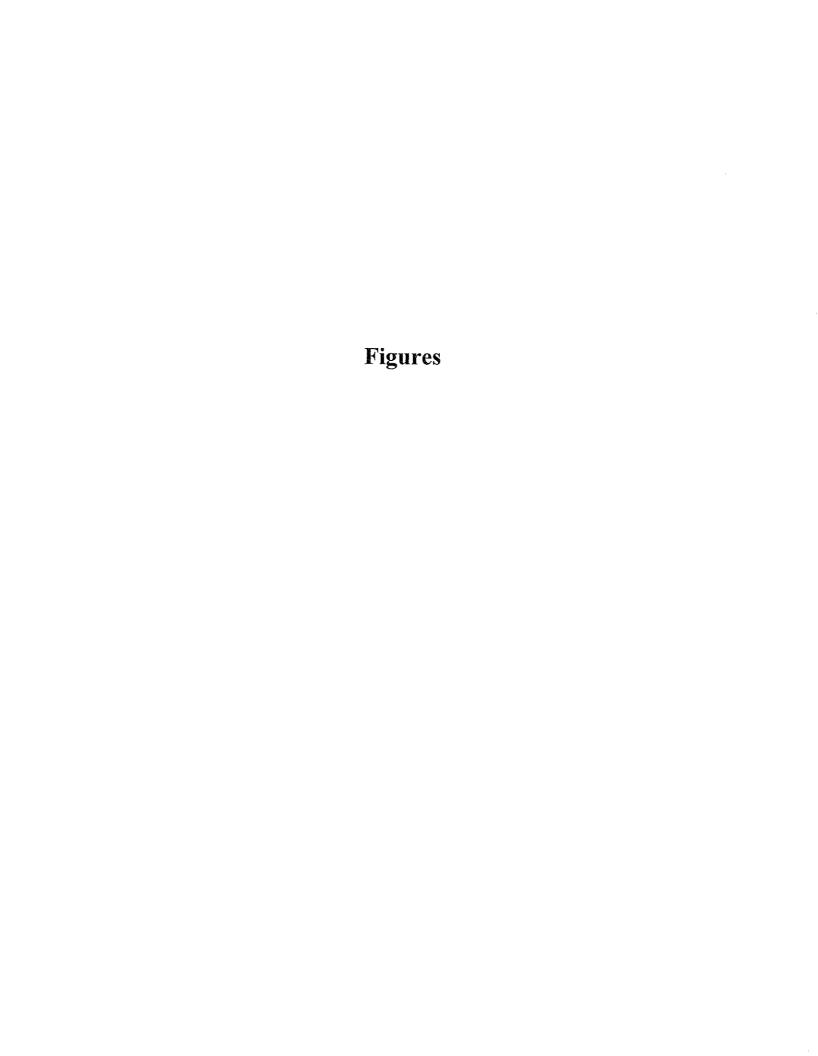
Senior Geologist

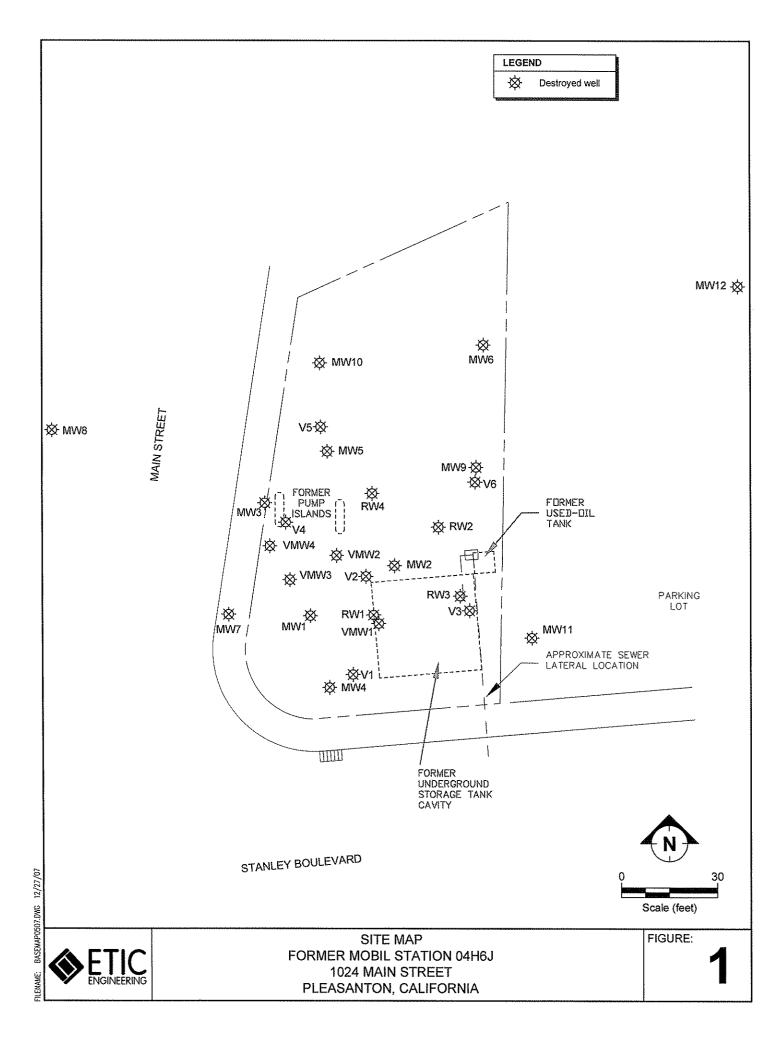
BRYAN CAMPBELL

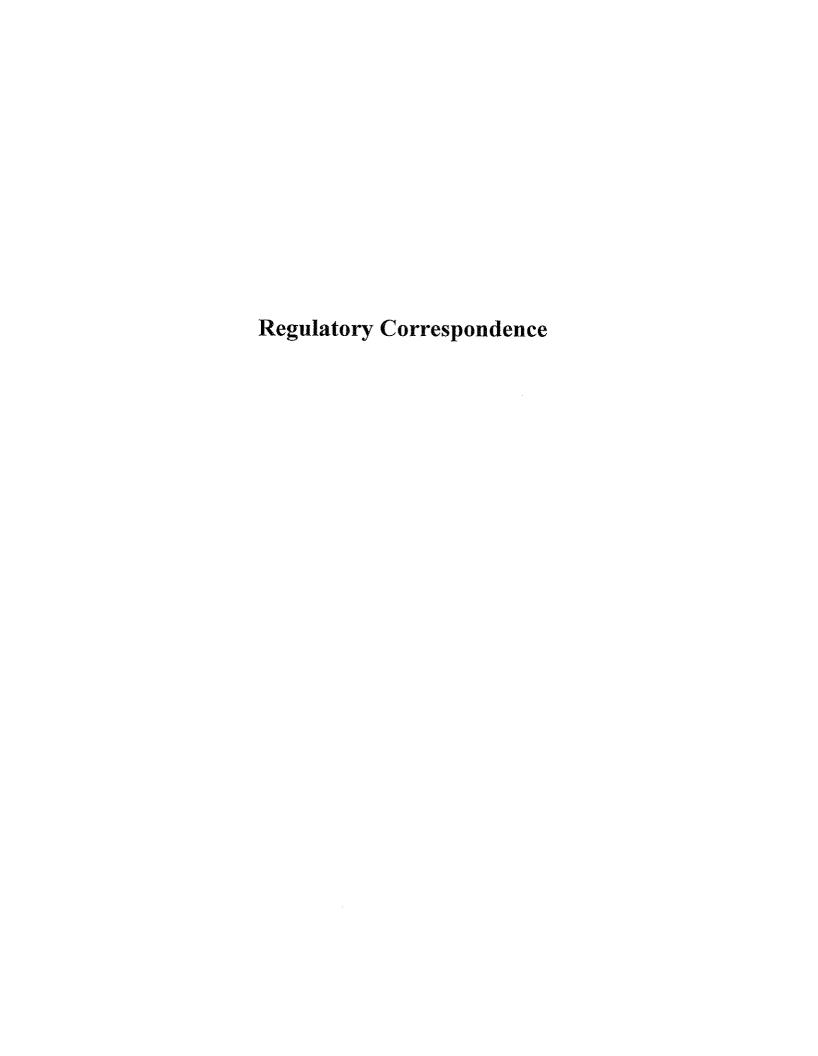
No. 7724

02/29/12/

OF CALLED







ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

April 28, 2010

Ms. Jennifer Sedlachek (Sent via E-mail to: jennifer.c.sedlachek@exxonmobil.com)
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Barton and Bonnie Yates Route 4, Box 320 Bonne Terre, MO 63628

Mr. Jack Hounslow Mount Diablo National Bank 156 Diablo Road Danville, CA 94526 Mr. Paul L. Hulme Pleasanton on Main, LLC c/o Alain Pinel 12772 Saratoga Sunnyvale Road, Suite 1000 Saratoga, CA 95070

Subject: Request for Well Decommissioning, Fuel Leak Case No. RO0002427 and Geotracker Global ID T0600100909, Mobil #4H6J, 1024 Main Street, Pleasanton, CA 94566

Dear Ms. Sedlachek:

Alameda County Environmental Health (ACEH) staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate and case closure, we request that the monitoring wells at the site be properly decommissioned, should the monitoring wells have no further use at the site. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office no later than June 29, 2010. A remedial action completion certificate will be issued following receipt of the documentation.

The case will be closed with the following site management requirements:

"Case closure for the fuel leak site is granted for the current commercial land use only. If a change in land use to any residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in the areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities."

Responsible Parties RO0002427 April 28, 2010 Page 2

Well destruction permits may be obtained from the Zone 7 Water Agency (http://www.zone7water.com). If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Digitally signed by Jerry Wickham, DN: cn=Jerry Wickham, o, ou, email=jerry.wickham@acgov.org, c=US?
Date: 2010.04.28 15:38:46-07'00'

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297 Senior Hazardous Materials Specialist

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566 (Sent via E-mail to: dstefani@lpfire.org)

Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (Sent via E-mail to: cdizon@zone7water.com)

Bryan Campbell, ETIC Engineering, Inc., 2285 Morello Avenue, Pleasant Hill, CA 94523 (Sent via E-mail to: bcampbell@eticeng.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org) Jerry Wickham, ACEH

Geotracker, File

Attachment 1 Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic submittal/report rights.)

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)

ISSUE DATE: July 5, 2005

REVISION DATE: March 27, 2009

PREVIOUS REVISIONS: December 16, 2005,

October 31, 2005

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a single portable document format (PDF) with no password protection. (Please do not submit reports as attachments to electronic mail.)
- It is preferable that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements must be included and have either original or electronic signature.
- Do not password protect the document. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. Documents with password protection will not be accepted.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in Excel format. These are for use by assigned Caseworker only.

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org

O

- ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
- b) In the subject line of your request, be sure to include "ftp PASSWORD REQUEST" and in the body of your request, include the Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
 - b) Click on File, then on Login As.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Well Completion Reports (DWR 188 Forms)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

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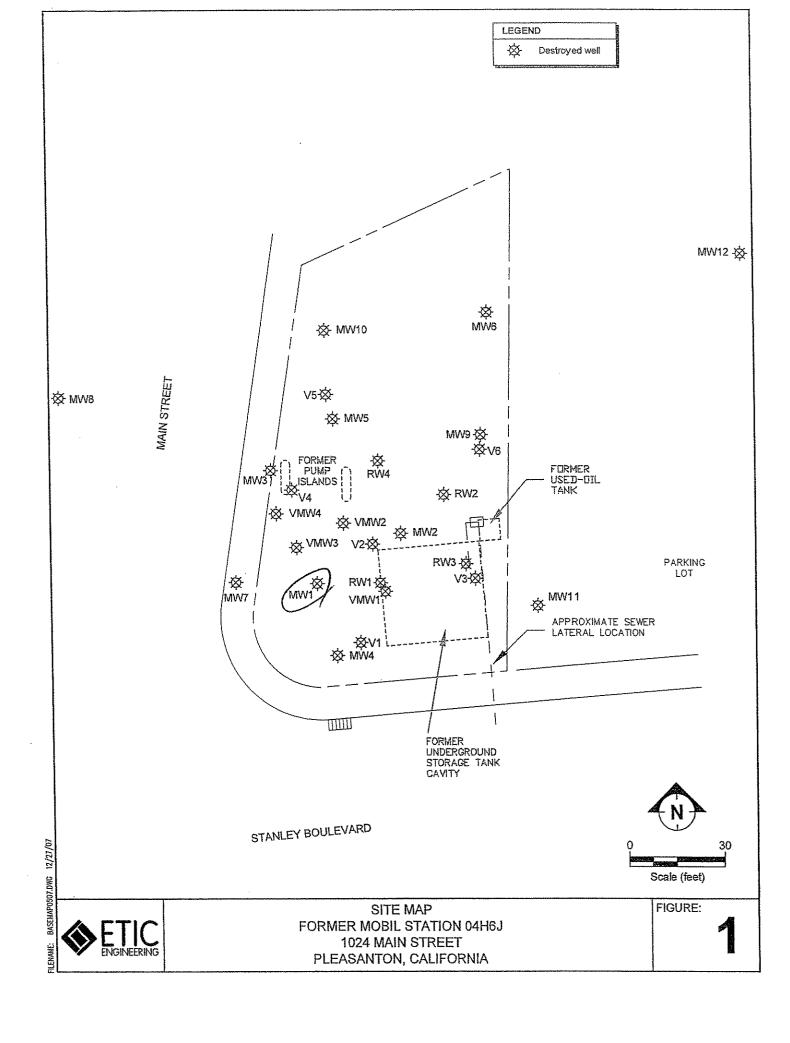
LOG OF EXPLORATORY BORING

ALTON GEOSCIENCE

PROJECT NO. 30-065 DATE 3/21/90
CLIENT Mobil Oil Corporation
LOCATION 1024 Main Street, Pleasantor

BORING NO. SB-6 (MW-1) Sheet 2

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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

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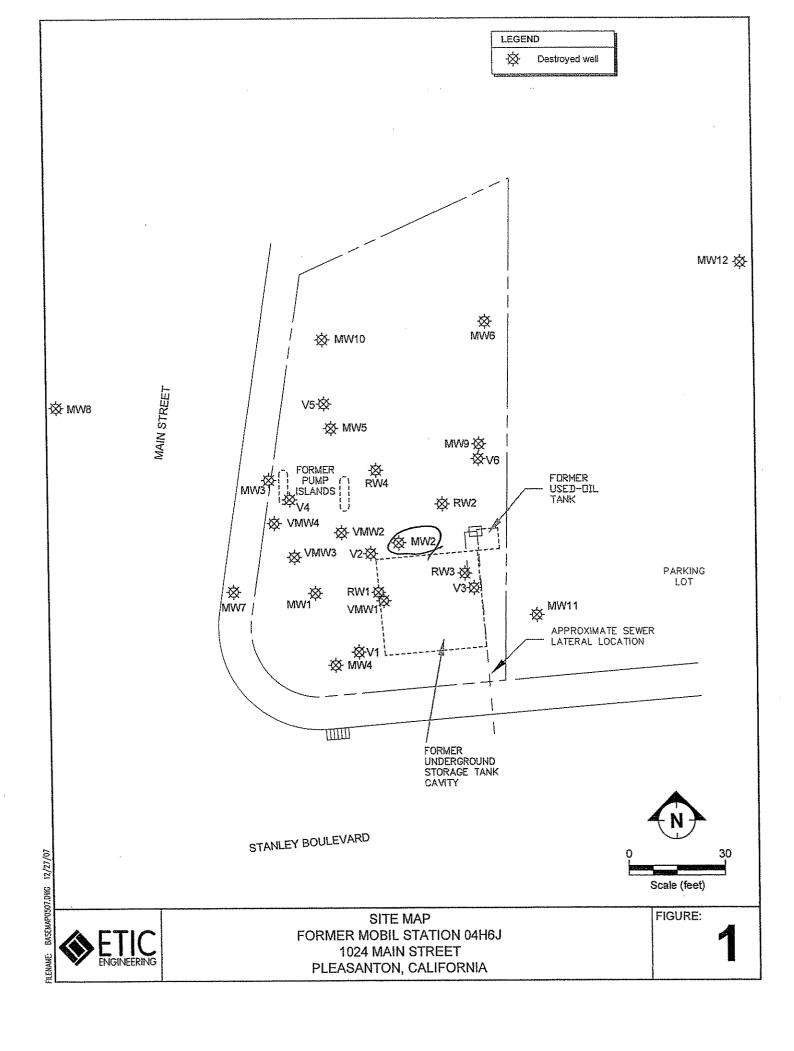
ALTON GEOSCIENCE

PROJECT NO. 30-065 DATE 3/22/90
CLIENT Mobil Oil Corporation
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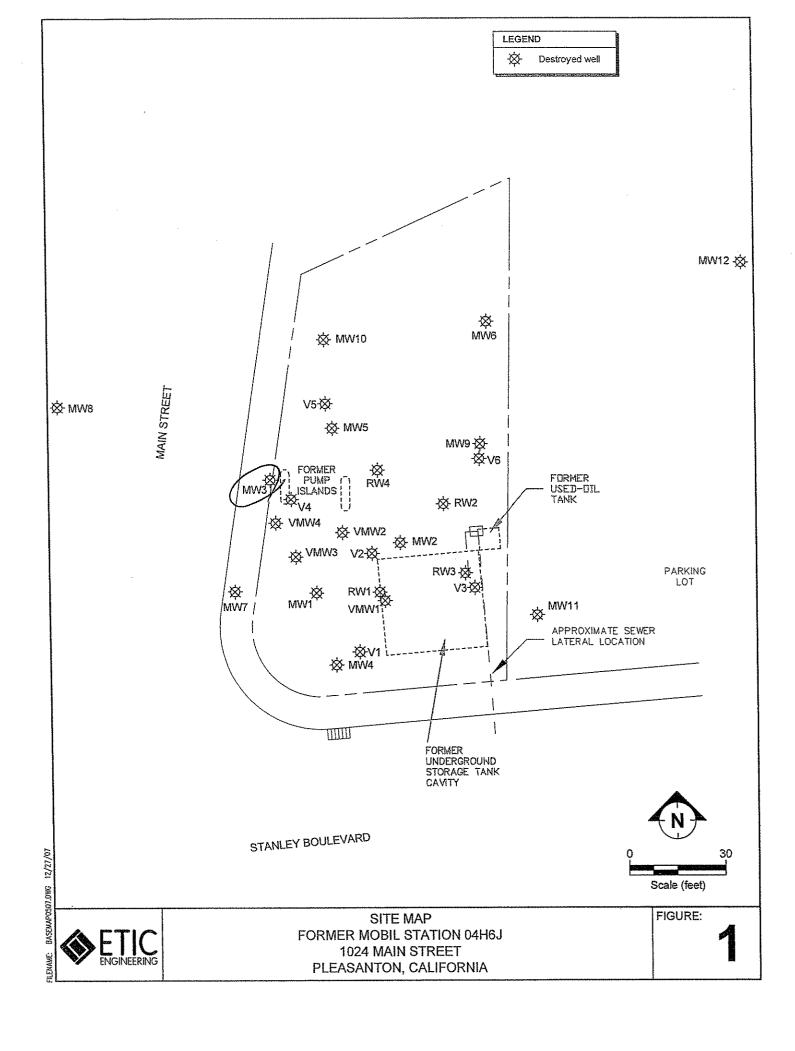
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		60-					Bot	tom of Ho	le @ 56.	5 feet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-	
	······								······································			Marine 1997	7	
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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

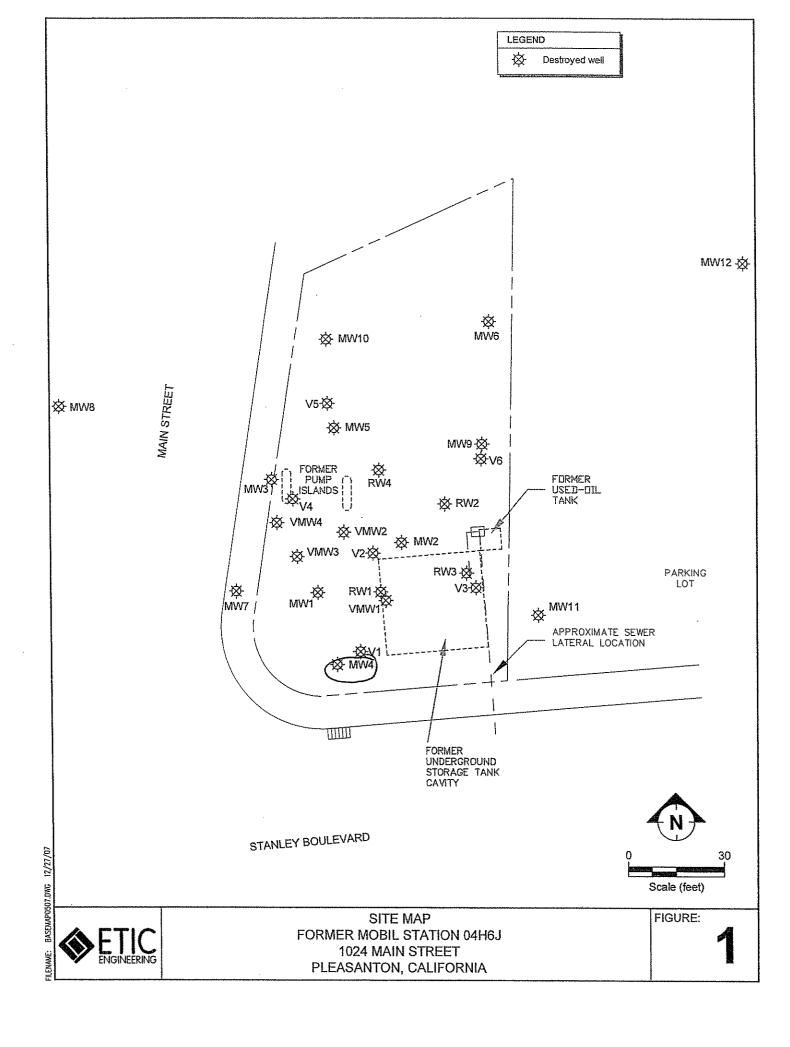
	ALI	ON	GE!	USUII	-iV	CE			PROJECT NO. 30-065 DATE 3-23-90 BORING NO. CLIENT Mobil Oil Corporation SB-8 (MW-3)						
				L(O	C	F		CLIENT	Mobil Oi	L_Corpora	tion		SB-8 (MW-3)	
1		EΧ	PL	ORA'	TC)R	Y	BORING	LOCATION	1024 Ma BY CD A	ain St.,	Pleasant	on	Sheet	
Field	locatio	n of	hor	lna:	Μī		1 (5	SB-81		thod Ho			**************************************	01	
1	.0040			- I	Ф		Λ	N P	Deming into	(1100		Hole Dia	8"	· · · · · · · · · · · · · · · · · · ·	
				Main St	*				Casing ine	tallation Data	0-12' F				
				₂		V	U		12-35	slotte	(0.20")	PVC cas	ing.	J11.19/	
				•											
Grou	nd Elev	•			D	atu	m								
			s					Water Level	22'	21.5'					
Blow	PID	8	\$ a m	Soll Group	1.	Litho	-	Time	2:22	2:23					
Counts	OVA	h		Symbol (uscs)		ymt		Date	3–23–90				<u> </u>		
<u> </u>	· · ·	╂						E11 Con	crete Co		SCRIPTION Asphalt			·	
		-	<u> </u>					3 (01)	crete C	re, 4 A	asphare		······································		
		2											······································		
		1	 -						· · · · · · · · · · · · · · · · · · ·		·				
	 	4		ML				CLAYEY SILT	r Medium	hrown w	ith 25% n	ebbles s	יים לני	- ಕಾರ್	
2,4,4	75	6		L'II.				loose, damp				CDDIES S	<u> </u>	neu,	
/	<u> </u>												······································		
		8										 	······································	 	
		1								·	······································	 			
		10												***************************************	
5,6,7	75							CLAYEY SILT	: Dark o	live brow	n, stiff	(compact), hum	id	
		12											· /		
				ML			Ш								
		14					Ш		,						
~~~~~						Щ						·····			
4,4,4	75	16						CLAYEY SILT	: Medium	brown, 4	0% clay,	very loo	se, da	mp	
				ML						<del></del>			<del></del>		
		18		t-1111							•	······································		· · · · · · · · · · · · · · · · · · ·	
		20			∭		.] H	CLAYEY SILT	• Modium	hnoun A	Λ <u>α</u> α1οιι	****** 7			
5,5,7	<i>7</i> 5	44						CLAIRI SILLI	· PROLLUIT	DIOWII, 4	os cray,	very 100	se, da	mp	
		22		$\nabla$						***************************************		<u> </u>		·	
				$\mathbf{\Sigma}_{\cdot}$									·		
		24		ML							<del> </del>	<u></u>	<del></del>		
		- 1			┨╟	╢┼	$\  \mathbf{f} \ $	CLAYEY SILT:	Red bro	wn with r	nedium br	own mott	les, 4	% clav.	
4,6,8	50	26		-				medium compa	act / aus						
			8800												
		28		ML				The state of the s							
			[												
0,17,17	50	30			Ш	Ш	Щ			·····		<u> </u>			
		100						CLAYEY SILT:	: Dark ol	ive brow	loose,	moist			
		32		ML,		╟	╢	/# 31 mar	•						
					Ш	H		CLAYEY SILT:	IIT: Dark olive brown, very loose, 30% clay, wet						
		34		/		##		SILTY SANDS:	NDS: Dark gray, coarse angular sands with 3%						
		2.5		MI	H	<del> </del>	[	graver, very	very loose, damp						
	50	36		SM				Bottom of Ho	ole 361'			<del></del>			
			[		_				JU2						



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

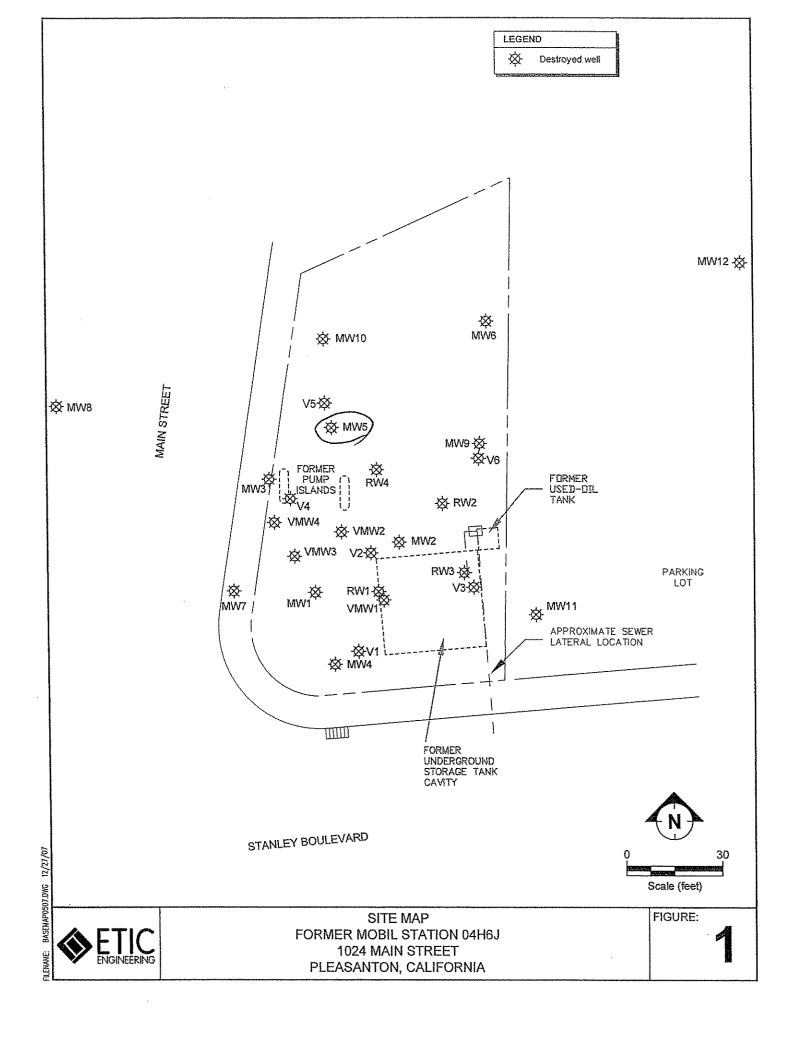
	O	FE		SCIENC LORATO					CLIENT Mot	30-065 I bil Oil Corporation 024 Main St., Ple M.A. API	n easanton, Ca.		BORING NO. SB-9 WELL NO. MW-4			
FIELD	SKE	TCH	OF	BORING L	OCAT	NOF							Page 1 of 2			
тор О	F C	ASIN	IG El	EVATION.		3.07'			SAMPLER TYP	HOD Hollow ste E Modified spli 4" Sch. 40 P' ua Science Engi	t spoon VC_with 0.020" :		M10*			
G.		Ī		\$			j	W	ATER LEVEL	-30'						
5 E	PM	Щ	SET	SE	뿐		PROFILE	D/	NTE	10-8-90						
BLOWS PER F≎¢T(N)	S S E E E E E E E E E E E E E E E E E E								IME 10:05							
<b>a</b> u	- O Christy Box								DESCRIPTION							
									4" Asphalt and Basecourse							
2,3,3 4,4,6	-0 Christy Box -2 SM -4" sch4 40 PVC Casing -6 -8 -10							SI di	4" Asphalt and Basecourse  SILTY SAND; dark brown, loose, dry, low plasticity, with 5% gravels approx. 1/4" diameter.							
5,5,6	6 12 CL							SILTY CLAY; light brown, stiff, moist, low plasticity.								
			}			ML		S	ANDY SILT; light b	prown, stiff, moist,	low plasticity.					
3,5,7								SILTY CLAY; light brown, stiff, moist, low plasticity.								
4,3,5	28															
9,10, 13								S	ILTY SAND, light b	orown, medium der	nse, wet, no plastic	city.				

LO BO	G C RIN	F E G	EXP	SCIENC LORATO BORING L	ORY				CLIE LOC	ENT <u>MOB</u> SATION 10	IL OIL CORPO 24 Main St., F	_ DATE DRILLED RATION. Pleasanton, Ca. APPROVED BY		BORING NO. SB-9 WELL NO. MW-4 Page 2 0f 2	Unitive
 									DRIL	LING MET	HOD Hollow s	stem auger	HOLE DI	AM. 10"	*****
								:	SAM	PLER TYP	E Modified	split spoon			
TOP C	OF C	AIRA	IG E	LEVATION	i 348.	07'						40 PVC with 0.		3	
		······································	***************************************						DHIL	TEH	Aqua S	cience Engineers	, Inc.		
<b>Б</b> _	=	ı	_	WELL CONSTRUCTION OF BORING				W	ATER LE	EVEL	-30'				****
BLOWS PER FOOT(M)	cai(PPM)		E H		품		PROFILE		ATE		10-8-90				
	ig:	SAMPLE	۵	T SNS	Logi	s∞an	Ĕ-	Til	TIME 10:05 DESCRIPTION						
8,7,16		T	- 36	3-00									***************************************		
8,15,13			38 40 42 44			SM						dense, wet, no plas lense, wet, no plas	·		
3,25, 27				Wooden plug		SP		GI	RAVELL	Y SAND; li	ight brown, very	dense, wet.			
		-	52					В	oring t	ERMINATI	ED AT 50 FEET	BELOW GRADE			
		F	54												
		ŀ	56												
		ŀ													
		ļ	58												
		ŀ	60												
				3333 	Bento Portla Sand	nd C	ement		云	Driven in Sample Water le		ed during drilling	J		



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

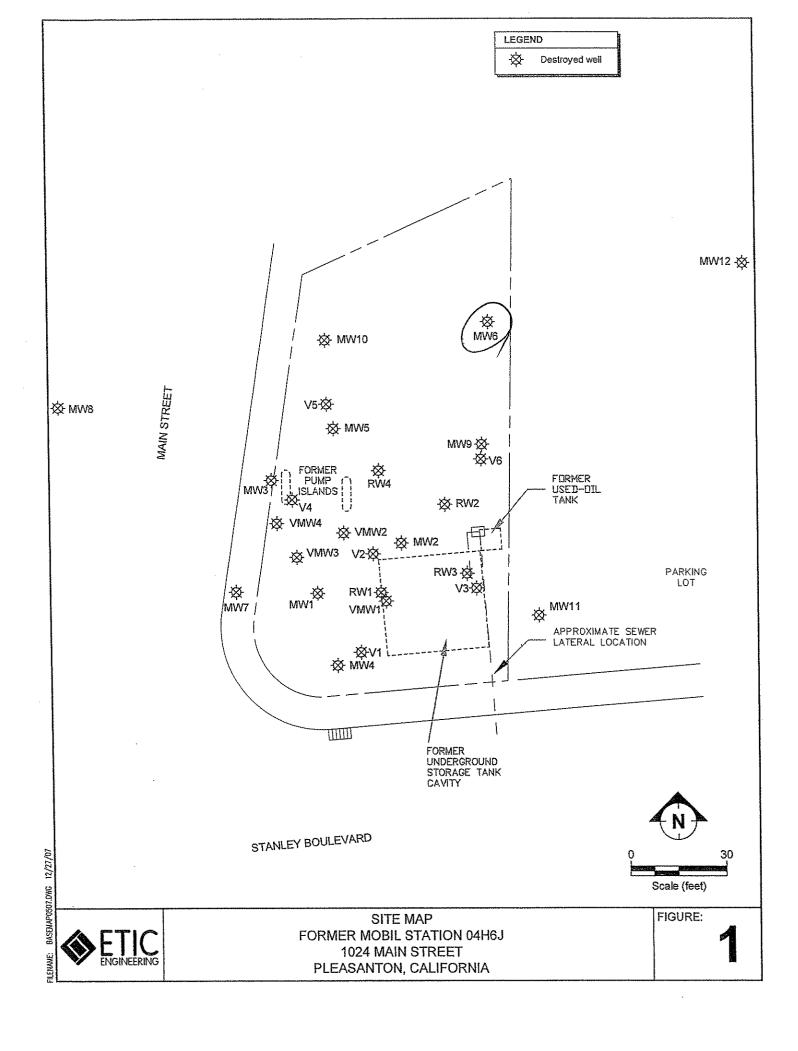
LO BO	G C RIN	)F I	EXF	PSCIENCE, PLORATORY BORING LOCA	( <u> </u>			CLIENT Mot LOCATION 19 LOGGED BY DRILLING MET SAMPLER TYP	bil Oil Corporat 024 Main St., I M.A. A THOD Hollows E Modified s	Pleasanton, Ca.  PPROVED BY  stem auger  plit spoon	HOLE DIA	BORING NO. SB-10 WELL NO. MW-5 Page 1 of 1 M10"			
TOP C	CASING DATA 4" Sch. 40 PVC with 0.020" slots  DRILLER Aqua Science Engineering, Inc.														
BLOWS PER FOOT(N)	CGI(PPM)	SAMPLE	EPTH	WELL CONSTRUCTION OR BORING CLOGURE	soen	PROFILE	D/	ATER LEVEL ATE ME	10-8-90 4:05	ESCRIPTION					
			-0	Christy Box			******								
3,4,6			-2 -4 -6 -8	4" sch. 40 PVC Casing	SM			" Asphalt and Basecourse ILTY SAND; dark brown, loose, dry, low plasticity.							
6,8,9 1,2,1			- 12 - 14 - 16 - 18		Ā			SILTY CLAY; light brown, very stiff, moist, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.							
3,4,5 .6,8,9			- 20 - 22 - 24 - 24	.020 Slot	CL		SILTY CLAY; light brown, stiff, wet, low plasticity.								
,.,	•		- 26 - 28 - 30 - 32 - 34	End Car				LTY CLAY; light be	· .						



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	O	FE		SCIENCE, I LORATORY			CLIENT Mot	oil Oil Corporatio 024 Main St., Pl		BORING NO. SB-11 WELL NO. MW-6		
FIELD	SKE	TCH	OF	BORING LOCA	TION		LOGGED B1_	W.A.	THOVED BY	Page 1 of 2		
,							DRILLING MET	HOD Hollow st	em auger HOLE DIA	.M10*		
							1	E Modified spl				
							li .		VC with 0.020" slots	· · · · · · · · · · · · · · · · · · ·		
TOPO	r G/	45IN	KG EI	LEVATION <u>34</u>	8.23		DRILLER Aq	ua Science Eng	ineering, inc.			
Œ				WELL CONSTRUCTION OR BORING CLOSURE		l	VATER LEVEL	-42'				
# €	CGI (PPM)	Щ	AE 7 H	25 SE		PROFILE	OATE	10-9-90		***************************************		
BLOWS PER FOOT(N)	F) (P	SAMPLE	꿈	NST PSST PSST PSST PSST	sxen	ğ	IME	9:50				
CO UL	Ö	ώ		₹8£9	]			DE	SCRIPTION			
			-0	Christy Box			4" Asphalt and Bas	secourse				
6,6,10 - 16,23, 25			-2 -4 -6 -8 -10		ML			e gravel, light bro	wn, stiff, dry, low plasticity.			
12,17, 17			- 16				SILTY CLAY; light b	rown, hard, dry, l	ow plasticity.			
9,13, 16 7,12, 12			- 18 - 20 - 22 - 24 - 26 - 28		CL.		SILTY CLAY; light brown, very stiff, dry, low plasticity.					
8,10, 12			30		SM		SILTY SAND; fine grained, tan, medium dense, moist.					
			- 34							*		

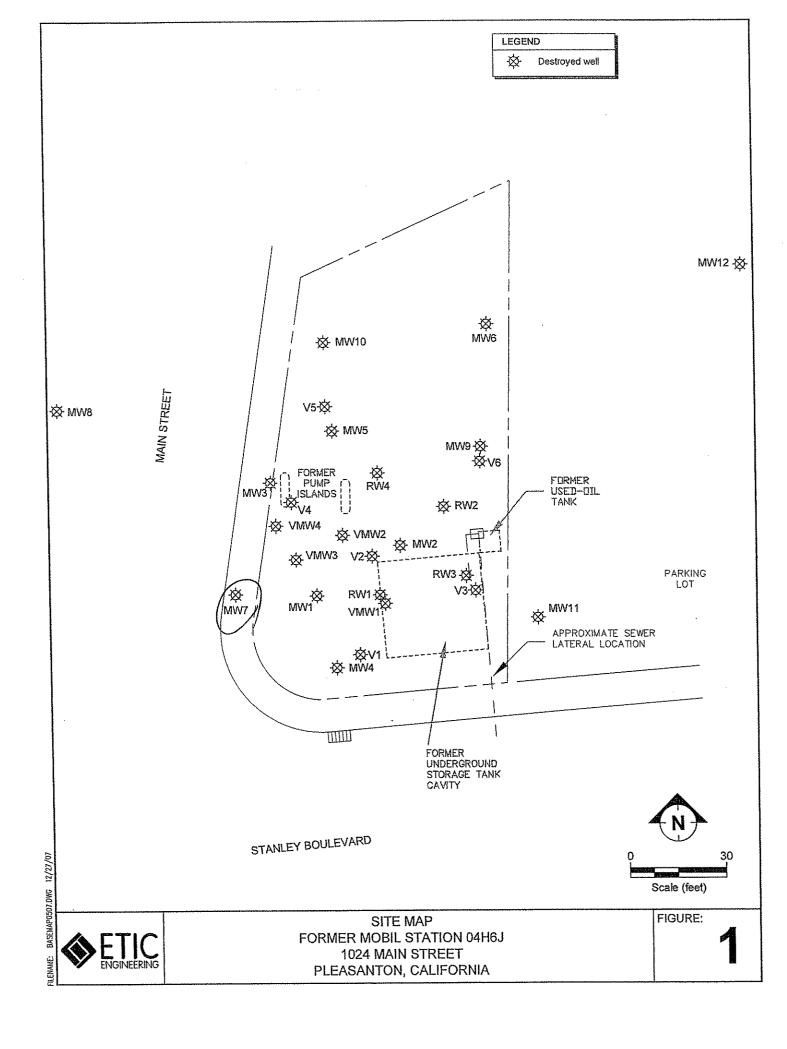
LO	TOI OG C	)FE	iEO EXP	PLORATO	E, In	c.		1	CLIENT MOE LOCATION 10	30-065 BIL OIL CORPOR/ 024 Main St., Plea: M. A AF	ATION. santon, Ca.		BORING NO. SB-11 WELL NO. MW-6
FIELD	) SKE	ETCł	H OF	BORING LO	OCATI	ON		İ		141: 731	FIIOTEU U.		Page 2 0f 2
TOP (	OF C	ASII	NG E	ELEVATION		23'	-		SAMPLER TYP CASING DATA DRILLER	HOD Hollow ste  Modified sp 4" Sch. 4  Aqua Scie	plit spoon 10 PVC with 0.0	020" slots	
BLOWS PER FOOT(N)	Σ	ш	E	WELL CONSTRUCTION OR BORING			顺		ATER LEVEL	-42'			
BLOWS P	CGI (PPM)	SAMPLE	DEPTH		J.	8	PROFILE		ATE ME	10-9-90 9:50	<u> </u>		
<b>a</b> 8	8	SA		<b>高公司</b>	3	soen	받		74 Feb.		SCRIPTION		
9,23, 35	36 4° sch. 40 PVC .020 Slot								RAVELLY SAND; to				Proceedings of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co
28,40, 44 3,10, 24	10, 10, 10 10 10 10 10 10 10 10 10 10 10 10 10								ANDY GRAVEL; gr				
			- 56 - 58 - 60					BC	ORING TERMINATE		LOW GRADE		



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

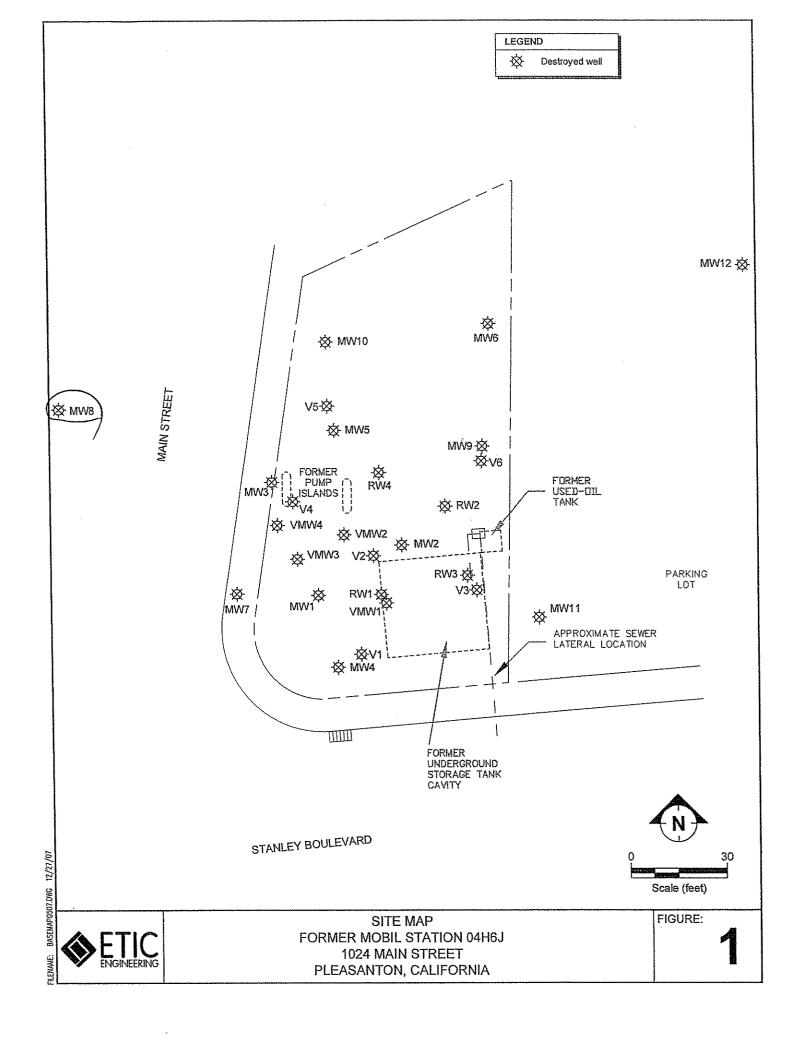
FIELD SKETCH OF BORING LOCATION  TOP OF CASING ELEVATION347.90'  DRILLING METHODHollow stem augerHOLE DIAM8'  SAMPLER TYPEModified split spoon	ALTON GEOSCIENCE, Inc. LOG OF EXPLORATORY BORING								PROJECT NO. 30-065 DATE DRILLED 10-10-90 CLIENT Mobil Oil Corporation LOCATION 1024 Main St., Pleasanton, Ca.				BORING NO. SB-12 WELL NO. MW-7
SAMPLER TYPE Modified split spoon CASING BATA 2"Sch. 40 PVC with 0.020" slots DRILLER AQUA Science Engineering, Inc.  WATER LEVEL -15"   DATE   10-10-90   TIME   10-55   DESCRIPTION  A" Asphalt and Basecourse  2.2.2.2   A	FIELD	SKE	TCI	1 OF	BORING LOCA	TION			LOGGED BY_	IVI.A. AF	AROAFD BA		Page 1 of 1
2,2,2  2" sch. 40 PVC Casing	TOP	SAMPLER TYPE Modified split spoon  CASING DATA 2" Sch. 40 PVC with 0.020" slots  TOP OF CASING ELEVATION 347.90'  DRILLER Aqua Science Engineering, Inc.											
2,2,2  2" sch. 40 PVC Casing  3,2,4  10  12  14  2,2,2  3,2,4  16  18  2" sch. 40 PVC Casing  SILTY CLAY; dark brown, soft, moist, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  CL  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  BORING TERMINATED AT 30 FEET BELOW GRADE  BORING TERMINATED AT 30 FEET BELOW GRADE	# _	Ą		E	Š L .s		1	W	ATER LEVEL	-15'			
2,2,2  2" sch. 40 PVC Casing  3,2,4  10  12  14  2,2,2  3,2,4  16  18  2" sch. 40 PVC Casing  SILTY CLAY; dark brown, soft, moist, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  CL  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  BORING TERMINATED AT 30 FEET BELOW GRADE  BORING TERMINATED AT 30 FEET BELOW GRADE	(M) T(M)	GI (PPA	PLE		ELL SNSTRUC RBORINK RSURE			·		10-10-90			
2,2,2  2" sch. 40 PVC Casing			MAS			8		TII	ME				
4" Asphalt and Basecourse  4" Asphalt and Basecourse  A" Asphalt and Basecourse  A" Asphalt and Basecourse  SANDY SILT; dark brown, soft, moist, low plasticity.  SILTY CLAY; dark brown, firm, moist, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  CL  SILTY CLAY; light brown, soft, wet, low plasticity.  BORING TERMINATED AT 30 FEET BELOW GRADE  BORING TERMINATED AT 30 FEET BELOW GRADE		Ľ	02					-	DESCRIPTION				
2.2.2 2" sch. 40 PVC Casing ML SANDY SILT; dark brown, soft, moist, low plasticity.  SILTY CLAY; dark brown, firm, moist, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  SILTY CLAY; light brown, soft, wet, low plasticity.  CL SILTY CLAY; light brown, soft wet, low plasticity.  BORING TERMINATED AT 30 FEET BELOW GRADE  BORING TERMINATED AT 30 FEET BELOW GRADE				-	Cilisty Box			4"	Asphalt and Bas	secourse			
3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 2.2,2 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4 3.2,4					40 PVC				<del></del>		·		
3,2,4  10 12 14 2,2,2 16 18 2" sch. 40 PVC .020 -22 Slot 24 26 28 End Cap BORING TERMINATED AT 30 FEET BELOW GRADE  BORING TERMINATED AT 30 FEET BELOW GRADE	2,2,2			- 4 - - 6 -		ML		SA	ANDY SILT; dark brown, soft, moist, low plasticity.				
2.2.2  -14 -16 -18 -2" -20 -20 -20 -22 -24 -26 -28 -28 -30 -32 -32 -32 -32 -32 -32 -33 -34 -36 -37 -38 -38 -38 -38 -38 -38 -38 -38 -38 -38	3,2,4			-					LTV OLAV ALLE				
18 2" sch. 40 PVC .020 Slot CL 24 -26 -28 End Cap BORING TERMINATED AT 30 FEET BELOW GRADE 30 32	2,2,2			- - 14 -		五							
- 22 Slot				-' - 18 -	sch. 40			SILIY GLAY; light brown, soft, wet, low plasticity.					
BORING TERMINATED AT 30 FEET BELOW GRADE  - 30  - 32	-			- - 22 -	.020	CL							
-30 -32				- - 26 -									
- 32			DOTATION TELEVISION GRADE										
				- 30 -		<del> </del>			***************************************				
- 34				- 32									·
				- - 34									

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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

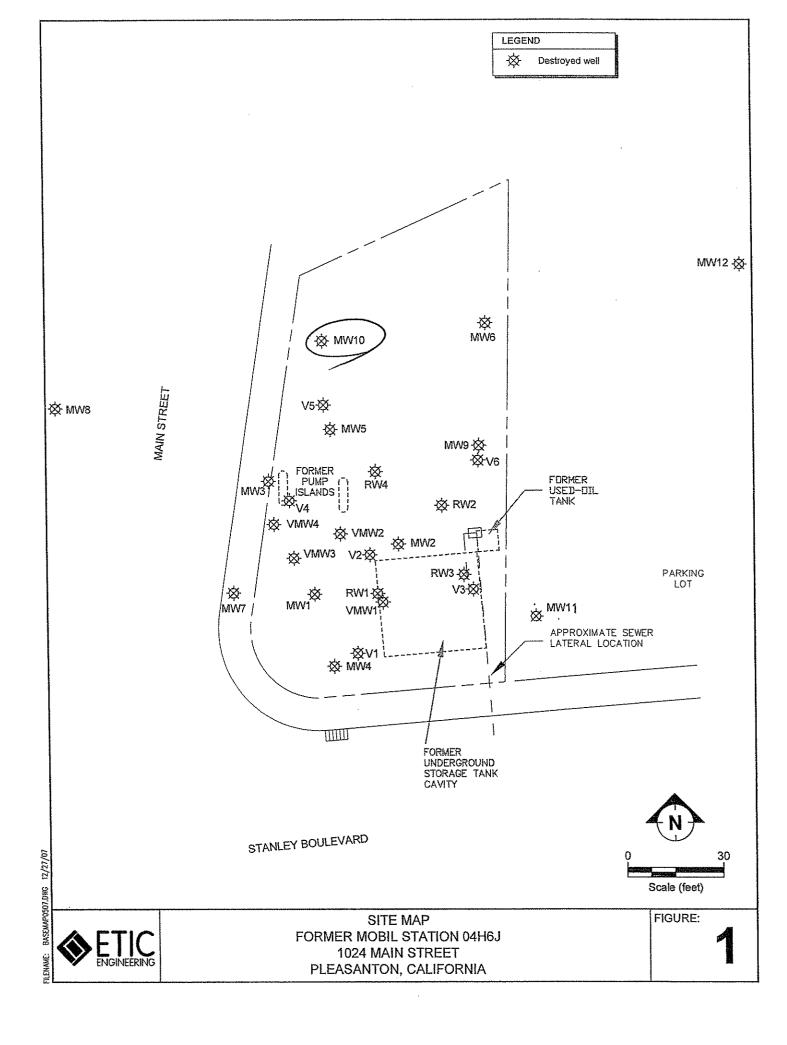
SAMPLER TYPE Modified split spoon CASING DATA 2" Sch. 40 PVC with 0.020" slots DRILLER AQUA Science Engineering, Inc.  WATER LEVEL -8" DATE 10-9-90 TIME 4:40  DESCRIPTION  4" Asphalt and Basecourse CLAYEY SILT; light brown, stiff, moist, low plasticity.  3.3.5  3.4.4  3.3.5  3.4.4  3.3.5  3.4.4  3.3.5  3.4.6  3.5  3.6  3.7  3.8  3.8  3.9  3.9  3.9  3.9  3.9  3.9	LO BO	G C RIN	OF I	EXF	PSCIENCE, PLORATORY BORING LOCA				CLIENT Mol LOCATION 1 LOGGED BY	bil Oil Corporation 024 Main St., Pl M.A. AP	easanton, Ca. PROVED BY		BORING NO. SB-13 WELL NO. MW-8 Page 1 of 1			
3,3,5  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,4,4  3,5  3,5	TOP C	F C	ASI	NG E		8.90'	_		SAMPLER TYP CASING DATA	E Modified spl 2" Sch. 40 P	it spoon VC with 0.020					
3,3,5  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,3,5  3,4,4  3,4,4  3,5  3,5	BLOWS PER FOOT(N)	CGI (PPM)	SAMPLE	SE PER	WELL CONSTRUCTION OR BORING CLOGURE	\$X8II	PROFILE	D/	NE	10-9-90 4:40	SCRIPTION					
3,3,5  3,3,5  3,3,5  4 2" sch. 40 PVC Casing SILTY CLAY; light brown, stiff, moist, low plasticity.  SILTY CLAY; light brown, stiff, wet, low plasticity.  SCI SANDY CLAY; gray, stiff, wet, low plasticity.  BORING TERMINATED AT 25 FEET BELOW GRADE  BORING TERMINATED AT 25 FEET BELOW GRADE				- 0	Christy Box							T				
SILTY CLAY; light brown, stiff, moist, low plasticity.  SILTY CLAY; light brown, stiff, wet, low plasticity.  SILTY CLAY; light brown, stiff, wet, low plasticity.  SILTY CLAY; light brown, stiff, wet, low plasticity.  SANDY CLAY; gray, stiff, wet, low plasticity.  BORING TERMINATED AT 25 FEET BELOW GRADE  BORING TERMINATED AT 25 FEET BELOW GRADE	225			- 2 -	40 PVC	ML					, low plasticity.					
3,3,5  14  15  16  17  18  20  22  24  End Cap  BORING TERMINATED AT 25 FEET BELOW GRADE  28  30		•		- - 8 - - 10		3										
20 22 24 End Cap BORING TERMINATED AT 25 FEET BELOW GRADE - 28 - 30	3,3,5			- - 14 -	sch. 40 PVC .020	60		-	ANDV CLAV: grav	man and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same o						
- 28 - 30				- 18 - 20 - 22		8		5,	ANDY CLAY; gray,	stiff, wet, low pla	sticity.					
- 30				-				В	ORING TERMINATI	ED AT 25 FEET BE	ELOW GRADE					
				- 30 - - 32									·			
-34	*******	-		- - 34	-		<u> </u>			<u>-</u>						



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

PRO	DJEC	TNO	).:	30-0	065	DATE DRILLED:	1	1-17	-93	
	LOCA	OITA	<b>1</b> :	Mobi	l Station 04-H6J	LOGGED BY:	F	≀. Scl	neele	······································
l					Main Street	APPROVED BY:	J	.A. L	ehrman, F	.G.
		······································		Plea	santon, California	DRILLING CO.:	V	/ & W	/ Drilling	
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Stell SAMPLER TYPE: California Modified Spit TOTAL DEPTH: 56.5 feet DEPTH TO WATE DESCRIPTION	lit-Spoon	USCS	ГПНОГОВУ	CONST	ELL RUCTION TAIL
2/2/3	100			0	Hand-augered to 5 feet.  SILTY GRAVEL: dark brown, (fill).  SANDY SILT: brown, soft, damp; very fine-grained sand rootlets.	, well graded,			5	Utility box with locking cap Concrete Grout
2/3/3 3/6/7 4/5/8 4/5/5 3/4/6	75	ND	X	- - - - - 10	Trace of gravel to 0.25-inch-diameter, some clay, burrow	rs.	ML		10	
2/3/5 2/3/4 3/3/4 3/3/5	75			- 15 - 15 	Increasing clay content.  SANDY CLAY: brown, soft, damp; very fine-grained sand gray burrow, some silt.	d, well graded, with			15 —	4-inch- — diameter PVC casing
4/6/8 4/7/8 4/5/8 4/6/9	50						CL		25	Bentonite Seal
5/6/8 6/8/14 12/10/16	65			30	SILTY SAND: brown, medium dense, damp; fine- to med graded, fining upwards.		SM			No. 8 SrI ← Supreme Sand
10/12/15	0			_	SANDY GRAVEL: dark gray, medium dense, damp; fine- sand, well graded, angular to semi-angular gravel to 1.0- silt. Increasing gravel.	inch-diameter, with	GМ		30 =	4-Inch- diameter — PVC casing
10/12/18 31/35/50 10/15/16	0	ND			Gray, dense; coarse- to very coarse-grained sand, well g	graded,			35	0.020-inch slottling
13/16/31 14/15/21 13/17/22				_	Gravel to 1.5-inch-diameter. Less fines.		GР		40-	
	ALTON GEOSCIENCE Livermore, Celifornia  LOG OF EXPLORATORY BORING								MW- PAGE 1	OF 2

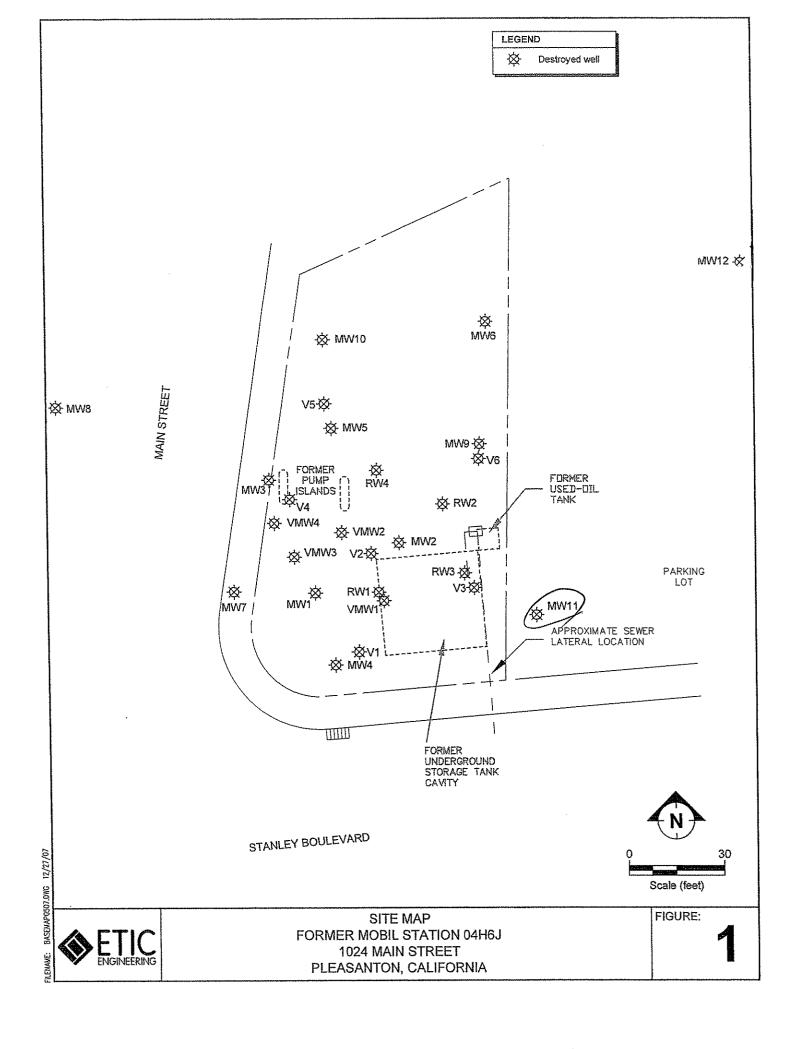
PROJ				30-00		DATE DRILLED:	1	1-17	-93	
LC	OCA.	TION			Station 04-H6J	LOGGED BY:			heele	
<u> </u>					Main Street	APPROVED BY:			ehrman, R.	G.
			······	Pleas	santon, California	DRILLING CO.:		& W	/ Drilling	<del> </del>
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Ste SAMPLER TYPE: California Modified Sp TOTAL DEPTH: 56.5 feet DEPTH TO WAT DESCRIPTION	olit-Spoon	nscs	гітногову	CONSTR	ELL RUCTION TAIL
15/17/20 16/19/22 18/20/24	0			-40        45             	SANDY GRAVEL: gray, dense, damp; coarse to very of well graded, gravel to 0.75-inch-diameter.		GP -		45	No. 8 Sri ← Supreme Sand 4-inch- diameter PVC casing 0.020-inch
7/9/11 5/6/9				55	graded, trace gravel to 0.25-inch-diameter, mottled.	anieu sanu, wen	CL		50	slotting ← End cap
					Increasing gravel to 10%.				60 — 65 — 70 — 75 — 75 — 80 — 80 — 80 — 80	
ALTON GEOSCIENCE Livermore, California LOG OF EXPLORATORY BORING									MW- PAGE 2	



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

PR	OJEC	T NO		30-00	065	DATE DRILLED:	1	1-18	-93	
	LOCA	MOITA	<b>1</b> :	Mobi	Station 04-H6J	LOGGED BY:	R	. Sc	heele	
l —				1024	Main Street	APPROVED BY:	J	.A. L	ehrman, F	R.G.
				Pleas	santon, California	DRILLING CO.:	V	& V	/ Drilling	
				(e)	DRILLING METHOD: 10.25-inch Hollow-Stel	m Auger				
出	_	Ē		/ grade)	SAMPLER TYPE: California Modified Spl	lit-Spoon		>=	V	VELL
NS P XES	bbm	TPH-G (ppm)	E E	H belov	TOTAL DEPTH: 46.5 feet DEPTH TO WATE	R: 35.0 feet	-	070	į	TRUCTION
BLOWS PER 6 INCHES	CGI (ppm)	표	SAMPLE	DEPTH (feet below (	DESCRIPTION		USCS	итногову	DI	ETAIL
				<u> </u>	Hand-augered to 5 feet.		<del></del>	ПП	0-	Utility box with locking cap
				E	-				=	Concrete
				<b>L</b>	SILT: brown, very soft, damp; very fine-grained sand, po clay (Cuttings).	oorly graded, trace				
ļ										
4/8/11	85	ND	П	5 	SANDY SILT: brown, soft, damp; very fine-grained sand	, well graded, some			5—	••≪⊸ Grout
				<u>-</u>	gravel to 0.75-inch-diameter, trace clay.					- Gioui
				_						
									_	
12/15/25	65			_ 10	Increasing % of gravel to 0.75-inch-diameter.		k #1		10	
							ML			
				_						
ŀ				 - 15					J	4-inch- diameter
11/16/28	130	ND		_ '`	No gravei.				15	PVC casing
				_	Increasing clay.	** ************************************	<del></del>	Ш		
				-	SANDY CLAY: dark gray, medium stiff, damp; very fine- silt.	grained sand, trace				
04444	tor			- 20					20	
8/11/14	125									
				-		•				Bentonite Seal
				_	Reddish brown mottling.		CL			
8/9/11			$\vdash$	25					25-JE3	
5/6/9	70	ND		_	Gray, worm burrows, mottling.					
3,0,8										No. 8 Srl ← Supreme
8/10/10					SANDY SILT: brown, medium stiff, damp; very fine-grain	ned sand, trace clay.				Sand
4/7/8	50			30 _	Gravel up to 15%.				30	
8/9/14			Ш				ML			4-inch- diameter
9/12/15			H	_						PVC casing 0.020-inch slotting
			- -	_						
11/13/14			Ш	— 35 -	GRAVELLY SAND: brown, medium dense, moist to wet	:: medium to			35-	racklet
10/14/18			Ш		coarse-grained, gravel to 0.5-inch-diameter.	A	C			
7/10/12							SM			
	5% LEL			_						
	ALT	nni		<u>     40                               </u>				1313	<u>140一</u> 定目	<u> </u>
GEOSCIENCE Livermore, California LOG OF EXPLORATORY BORING						-11				
	A Liver	more, (	Jalifo	ornia	THE RESERVE TO SERVE THE RESERVE THE RESER				PAGE 1	

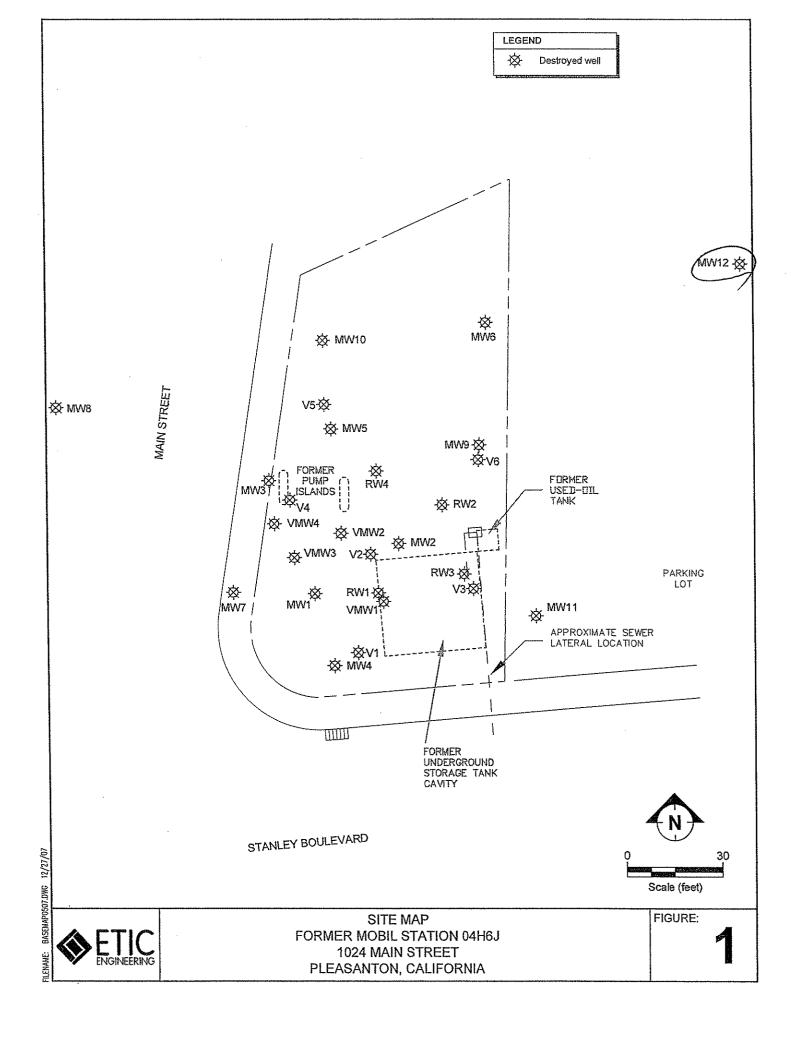
PROJ	JECT	NO	.:	30-00	065	DATE DRILLED:	1	1-18	-93	
	OCA.	TION	<b>l</b> :		Station 04-H6J	LOGGED BY:		. Sc	heele	
<u></u>					Main Street	APPROVED BY:			ehrman, R.	<u>G.</u>
		·	·	Pleas	santon, California	DRILLING CO.:	V	& W	/ Drilling	
3/3/3 4/4/5 5/5/7	OGI (ppm)	Z TPH-G (ppm)	SAMPLE	(feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Str SAMPLER TYPE: California Modified SI TOTAL DEPTH: 46.5 feet DEPTH TO WAT DESCRIPTION  SANDY CLAY: brown, moist, medium dense; very fine graded, burrows, trace pebbles, some silt.	em Auger plit-Spoon ER: 35.0 feet	SOSO SM	LITHOLOGY   X	WI CONSTI DE	No. 8 Sri Supreme Sand 4-inch- diameter PVC casing 0.020-inch stotting End cap Bentonite plug
	Δ.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	nu.							50	
		ON SCIE			LOG OF EXPLORATOR	RY BORING			MW- PAGE 2	



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

ļ ———	JEC			30-00		DATE DRILLED:	1	1-17	-93	
	.OCA	MOIT.	:		Station 04-H6J	LOGGED BY:			neele	
					Main Street	APPROVED BY:	-		ehrman, F	l.G.
				Pleas	eanton, California	DRILLING CO.:		8 N	/ Drilling	
BLOWS PER 6 INCHES	(ma	TPH-G (ppm)	Щ	TH below grade)	DRILLING METHOD: 10.25-inch Hollow-Ster SAMPLER TYPE: California Modified Spl TOTAL DEPTH: 58.0 feet DEPTH TO WATE	lit-Spoon		птносову		/ELL RUCTION
NCH O	CGI (ppm)	H-G	SAMPLE	DEPTH (feet bel			USCS	THOL	DE	TAIL
BI	Ö	ഥ	Ϋ́S	범용	DESCRIPTION		S)		-	
				_o		WWW.7780474740404141404141414141414141414141414			0-	Utility box with locking cap
				<u>.                                    </u>	Hand-augered to 5 feet.					locking cap
3/4/6				5 	SILT: brown, very soft, damp; very fine-grained, poorly g of clay.	graded, trace			5-	
					SANDY SILT: brown, soft, damp; very fine-grained sand	, medium graded.			_	← Grout
3/5/5			$\parallel$			male activity per				
4/5/6			-			- Laborate de la constante de				
5/7/8				— 10 —	Medium stiff, burrows, trace clay.	**************************************			10-	
6/9/11										
8/11/12	40									
9/10/12			L,	- 15 					15	4-inch- diameter PVC casing
	:		V.							
			$\triangle$	_			ML			
6/9/12				_ 20					20	
7/9/12	30				Increasing clay.					
9/10/14					Numerous gray burrows.					Bentonite Seal
7/9/11	, ;			_						
6/8/11				25 					25-	
4/6/9	20									No. 8 Sri
11/13/14				<u> </u>	Increasing sand.					Supreme Sand
7/8/10				30 	SANDY SILT: brown, medium stiff, damp; very fine-grain	ned sand, well				
9/11/15	100		Н	<u></u>	graded, trace of gravel to 0.5-inch-diameter. Increasing semi-rounded gravel to 0.75-inch-diameter.					
15/26/39			$\vdash$		SANDY SILT: brown, very stiff, damp; very fine- to very-	-coarse	ML/	怈		4-inch-
15/23/38				- - - 35	grained sand, well graded, semi-angular to semi-rounde 1-inch-diameter, sand clasts to 0.75-inch-diameter, yello	ed gravel to	GM			diameter PVC casing 0.020-inch slotting
11/24/38				33	SANDY CLAY: brown, medium stiff, damp; very fine-gra graded, black mottling, trace of gravel to 0.25-inch-diam				35	g
8/22/23							CL.			
7/18/21	25			_ 40	Increasing gravel to 15%. Increasing reddish brown and black mottling.					
	ALT		. pa y						E⊒©™ WW	-12
		DSCIE more, l			LOG OF EXPLORATOR	Y BORING			PAGE 1	
1								1	30-0065/MW-1	

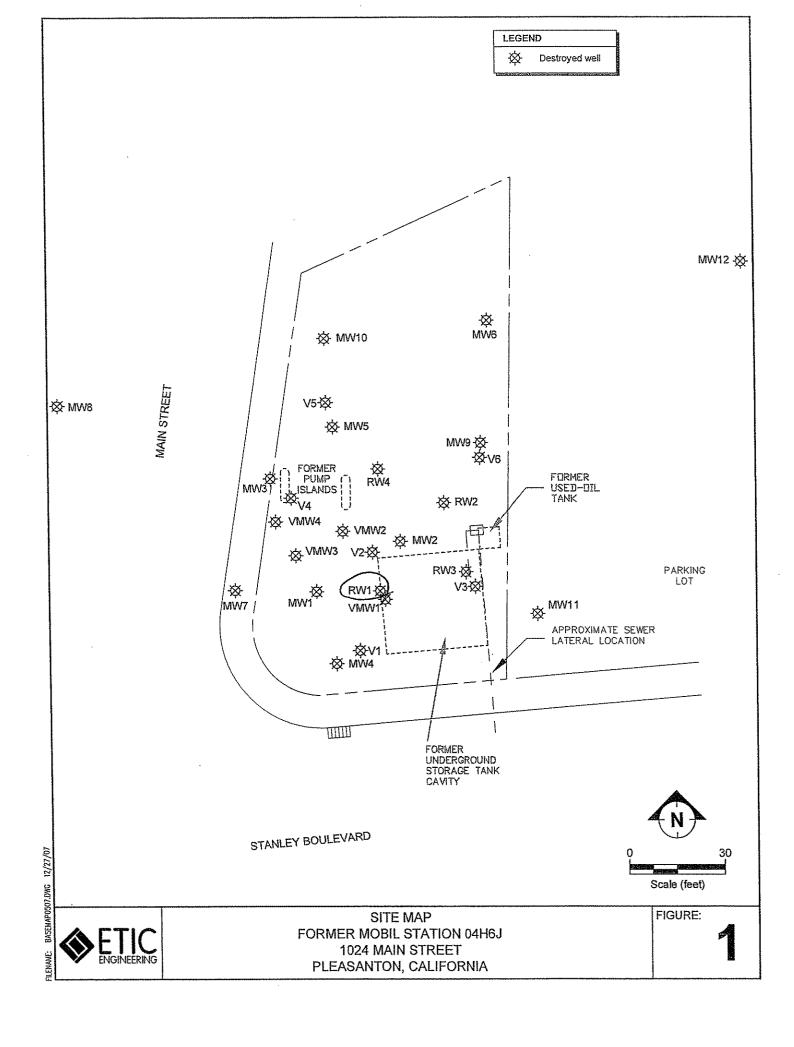
PRC	JEC	T NO		30-00	065	DATE DRILLED:	1	1-17	-93	
	.OCA	MOIT	1:	Mobi	Station 04-H6J	LOGGED BY:	F	₹. Sc	heele	
				1024	Main Street	APPROVED BY:	J	.A. L	ehrman, R	.G.
				Pleas	santon, California	DRILLING CO.:	V	/ & N	/ Drilling	
				(ag	DRILLING METHOD: 10.25-inch Hollow-Ste	m Auger				
EH		Ē		grade)	SAMPLER TYPE: California Madified Sp			>	l w	ELL
VS P	(mdc	3 (pp		H Selow	TOTAL DEPTH: 58.0 feet DEPTH TO WATE	· · · · · · · · · · · · · · · · · · ·		LOG	1	RUCTION
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below (	PERCHIPTION		nscs	LITHOLOGY	DE	TAIL
шө		<u> </u>	"	L	DESCRIPTION SANDY CLAY: brown, medium stiff, damp; very fine-gra	المدد لمسمل	<b> </b> -			
6/20/21			$\parallel$	40 	graded, reddish brown and black mottling, some gravel i	to 0.25-inch-diameter.	CL		40 <del> </del>	
14/15/17	40	23	Ш	Ė.	SANDY SILT: brown, medium stiff, moist; very fine-grair graded, black mottling.	ned sand, well	ML			No. 8 Sri
				-	gradua, black moraling.					← Supreme Sand
				— - —45	SILTY SAND: brown, loose, damp; fine- to medium-grain	ned, well graded,	SM			立
			-	<u>-</u> ~	gravel to 1.25-inch-diameter.		Olv:	鶐		<del>7.</del>
			$\vdash$		CLAYEY GRAVEL: brown, very dense, wet; very fine-to sand, well graded, gravel to 2-inch-diameter.	very-coarse grained	GC			
50-3"			Ш	 	sand, well graded, gravel to 2-illon-diameter.					4-Inch-
								**		diameter — PVC casing 0.020-inch
20/50- 4.5*	125		X	├ <b>-</b>	SANDY GRAVEL: dark gray, very dense, wet; coarse-graded, gravel to 1-inch-diameter.	rained sand, well	GP		50	slotting
4.5				-			G.			
				_				* *		
	l			- 55				* *		← End cap
28/50/50	100			<b>⊢</b> ⊦	SANDY CLAY: brown, very stiff, wet; fine-grained sand,	well graded, gravel			55	
					to 0.25-inch-diameter, trace silt.	J , g	CL			
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	ALT								80	10
	GEO	SCIE			LOG OF EXPLORATOR	Y BORING			MW-	1
-									PAGE 2	



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

<b> </b>		TNO		30-0	065 DATE DRIL	LED:	1	1-15	-93	
	LOCA	MOITA	<b>l</b> :		il Station 04-H6J LOGGED B	Y:	F	≀. Sc	heele	
					Main Street APPROVED	BY:	J	.A. L	ehrman.	, R.G.
				Pleas	santon, California DRILLING (	<u> </u>		/ & V	V Drilling	
BLOWS PER 6 INCHES	cal (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Stem Auger SAMPLER TYPE: California Modified Split-Spoon TOTAL DEPTH: 56.5 feet DEPTH TO WATER: 34.0 feet		<u>න</u>	ПТНОГОВУ		WELL STRUCTION DETAIL
B 9	ပိ		S,	He	DESCRIPTION		USCS	5		
		Administrativa de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta	X	0	Hand-augered to 5 feet.  Sandy Pea Gravel (Fill).  SILTY CLAY: fill, dark brown, medium stiff, damp; well graded, gravel to 0.25-inch-diameter, plastic liner at 9.5 feet.		Fill			Utility box wi locking cap  Concrete
	225 250			10	SILTY CLAY: brown very dark gray staining, medium stiff, damp; well graded, with fine-grained sand.				10   1   1   1   1   1   1   1   1   1	
	60% LEL	3,500		15 	SANDY CLAY: brown with dark gray staining, medium stiff, damp; well graded, with silt.		CL		15	6-inch- diameter PVC casing
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70% LEL 20% LEL		X	- - - - - - - - 25	Dark brown, 5% gravel to 0.25-inch-diameter.				25	Bentonite Seal
3/5/7 3/6/8				- 30						No. 3 Monterey Sand
4/7/9 3/7/10 8/9/13	90% LEL 80% LEL	2,100			SILTY SAND: brown, loose, damp; very fine-grained, well graded, some clay.		SM			
3/9/11 4/8/12 7/8/11 8/9/11	100% LEL				Medium dense, wet; fine-grained.  CLAYEY SAND: dark brown, medium dense, wet; fine-grained, well				35   1   1   1   1   1   1   1   1   1	6-inch- diameter PVC casing 0.020-inch slotting
				<del>- 4</del> 0	graded, trace of pebbles to 0.25-inch-diameter.		SC		40— E	<b>=</b>
	ALTON GEOSCIENCE Livermore, California LOG OF EXPLORATORY BORING									<b>N-1</b> 1 OF 2 N-1 01/10/94

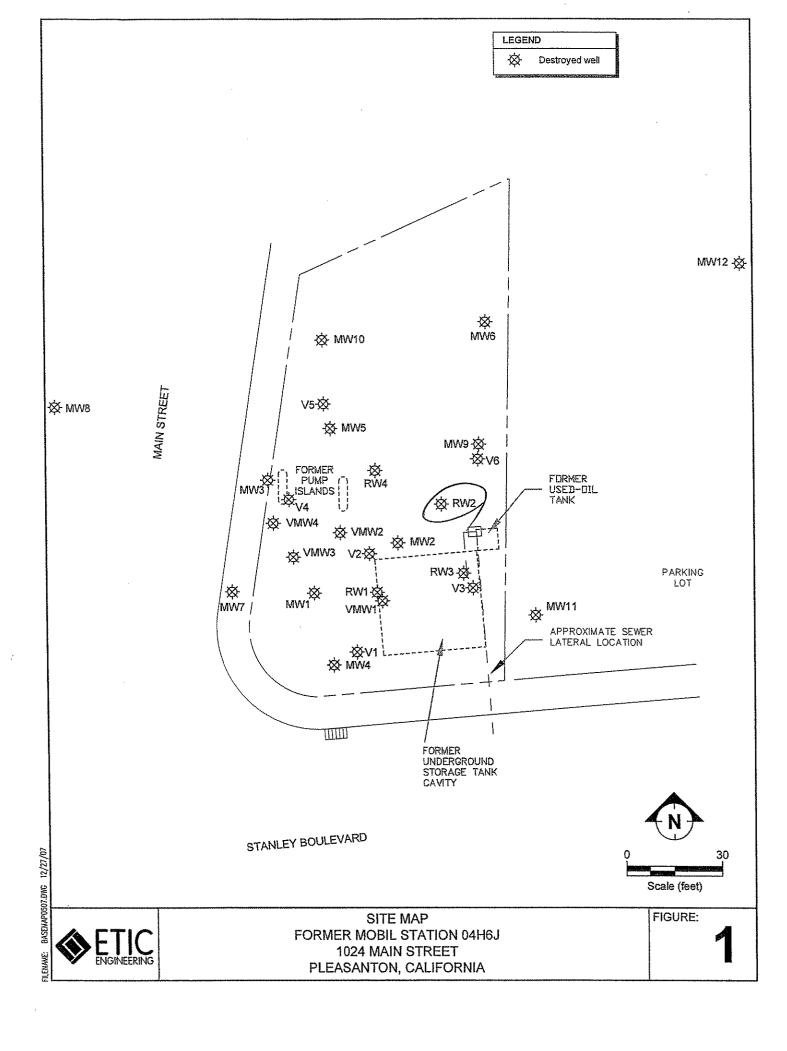
	DJEC.			30-0		DATE DRILLED:	1	1-15	-93	
!	LOCA	TION	1:		l Station 04-H6J	LOGGED BY:			heele	-
l —	····				Main Street	APPROVED BY:			ehrman, R.	<u>G.</u>
	<u> </u>	I	<del></del>	7	santon, California	DRILLING CO.:	V	& V	/ Drilling	******
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Ste SAMPLER TYPE: California Modified Sp TOTAL DEPTH: 56.5 feet DEPTH TO WAT DESCRIPTION	lit-Spoon	nscs	ПТНОГОВУ	CONST	ELL RUCTION FAIL
8/11/14 8/10/12	100% LEL			40 - - - -	SANDY CLAY: brown, medium dense, wet; fine-grained graded, some silt.		sc		40	No. 3 ← Monterey Sand
	100% LEL		H	45	CLAYEY SAND: dark brown, medium dense, wet, fine- trace of pebbles to 1/4" in diameter SANDY GRAVEL: very dark gray, loose, wet; well grad	- · · · · · · · · · · · · · · · · · · ·	CL GM	111		
3/6/14	L		Ħ		coarse-grained sand, angular gravel to 0.33-inch-diame SILTY SAND: brown, medium dense, wet; fine-grained,	eter.	SM			
7/8/19	400			E	clay.		Olvi			6-inch- diameter PVC casing 0.020-inch
7/19/75	300	1.6	M	50 	SANDY CLAY: brown, stiff, moist; fine-grained sand, we brown, Fe Oxide mottling.  Medium dense, sandstone clasts to 0.5-inch-diameter, I		CL		50 -   -   -   -   -   -   -   -   -   -	o.ozo-inch slotting ← End cap
0					brown mottling.	Sides and reading				
									60	
				- 					65	
				-						
									70-	
									75—	
				-						
		<u></u>		- 					80—	
		ON SCIE nore, (			LOG OF EXPLORATOR	Y BORING			RW-	



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

PRO	OJEC.	T NO		30-0	065	DATE DRILLED:	8	/30/9	)4	
ļ!	LOCA	TION	1:	Mobi	Station 04-H6J	LOGGED BY:	А	. Le	May	
					Main Street	APPROVED BY:	А	. Ca	mpbell, RG	à
				Pleas	santon, California	DRILLING CO.:	V	' & V	/ Drilling	
BLOWS PER 6 INCHES	GGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 12-inch Hollow-Stem A SAMPLER TYPE: California Modified Spl TOTAL DEPTH: 56.5 feet DEPTH TO WATE	it-Spoon	S	LITHOLOGY	CONST	ELL RUCTION TAIL
BLO 6 IN	CGI	핕	SAIV	DEP (feet	DESCRIPTION		USCS	H		1711
				0	Hand-augered to 5 feet.		ML		0-	Utility box with locking cap
5,6,10 6,9,12	0		M		SILT: medium brown, soft, damp.				10—	← Neat Cement
	0			- - - - - - - 15	,					6-inch- — diameter PVC casing
4,6,10	25			1 20	OLAVEVOILE manifement de de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la				20—	
4,5,7	25			.   .   .   .   .	CLAYEY SILT: medium dark brown, soft, damp, increas	ing clay content.				Bentonite Seal
3,5,8	25			25    	SILTY CLAY: medium brown, soft, damp.	P	CL.	I	25 — [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	#3 — Sand
3,7,8	off scale LEL			30	SILTY SAND: olive brown, brown, loose, damp, very fine	to fine-grained.	SM		30-	6-inch- diameter — PVC casing 0,020-inch
5,6,9	65% LEL			- 35 - - - - - - - 40	Yellowish brown, very fine grained.				35—	slotting
		ON SCIE nore, (			LOG OF EXPLORATOR	Y BORING			RW PAGE 1	
<u> </u>							·	<u> </u>	30-0065/RW-2	

P	10						DATE DRILLED:		30/94		
	10					r Mobil Station 04-H6J	LOGGED BY:		Le N		
						Main Street	APPROVED BY:			npbell, RG	
		***************************************		F	leasa	nton, California	DRILLING CO.:	V	& W	Drilling	
BLOWS PER	6 INCRES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 12-inch Hollow-Stem SAMPLER TYPE: California Modified S TOTAL DEPTH: 56.5 feet DEPTH TO WA	Split Spoon	nscs	SYMBOL	WE CONSTR DET	IUCTION
					40				2727	40	
4,5	,6	75				SILTY SAND: dark gray, loose, fine grained. Bottom 1 inch is silty clay, mottled gray and medium	brown, solt, damp.	SM			¥
4,5	,7	40				SILTY CLAY: mottled gray and medium brown, soft,	, damp.				# 3 Sand
2,4	,6	40			- - 45 - - -	Mottled dark gray, wet.		CL		45	
4,4	,7	25				SILTY SAND: mottled light brown and orange brown fine-grained.	n, loose, wet, very	SM		50	6-inch- diameter PVC casing 0.020-inch slotting
3,3	3,3,6				55	CLAY: dark brown, soft, moist, with sand and trace	pebbles to 1/2 inch.				o.oung
3,4	3,4,7					SANDY CLAY: dark brown, soft, wet, with small peb	obles and sand,	CL			← End cap
4,5	4,5,8 o				_ 55 _	With silt.				55	
	- 60 - 65 - 65 - 70 - 70 - 75 - 75 - 80									60	
	ALTON GEOSCIENCE Livermore, California					LOG OF EXPLORATO	RY BORING	ì		RW PAGE 2	



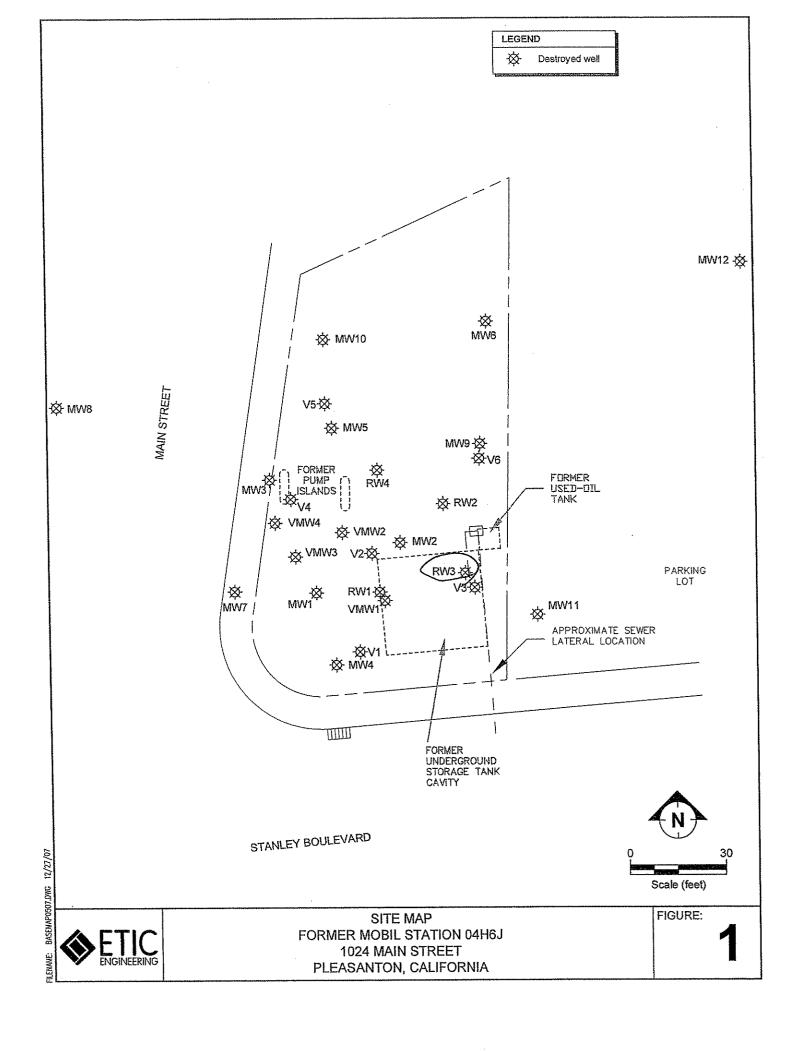
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	JECT			30-00		DATE DRILLED:	·····	/30/9		
L	OCA	MOIT	1:		Station 04-H6J	LOGGED BY:	***************************************		May	
					Main Street	APPROVED BY:			mpbell, Ro	<del>3</del>
				Pleas	eanton, California	DRILLING CO.:	<u> </u>	& W	/ Drilling	
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 12-inch Hollow-Stem SAMPLER TYPE: California Modified S TOTAL DEPTH: 56.5 feet DEPTH TO WAT  DESCRIPTION	olit-Spoon	nscs	LITHOLOGY	CONST	ELL RUCTION TAIL
					Hand-augered to 5 feet. SANDY GRAVEL: (fill), loose					Utility box with locking cap
5,6,7	30			5 - -	SILT: moderate yellowish brown, soft, dry, trace pebbi	es to 1/4" (fill).			5   1   1   1   1   1	← Neat Cement
8,13,14	25			10					10	6-inch- 
8,7,8	20			15	Moist.  CLAYEY SILT: dark yellow brown, soft, moist, increas	ing clay content	ML		15—	PVC casing Bentonite
5,5,6 3,4,5	15				SILTY CLAY: dark yellowish brown, soft, damp.		OL.		25	Bentonite Seal
				30	manus barrens saranny saranny barrens pamban saranna saranna manus manus barrens barrens barrens barrens sarann		-		30	#3 Sand 6-inch- diameter
4,5,6	50				SILTY SAND: grayish olive, loose, damp, very fine to Bottom 3* is SILTY CLAY: mottled grayish olive and r brown, soft damp.	fine-grained. noderate yellowish	SM		35—	PVC casing 0.020-inch slotting
3,3,7	25				Dark yellowish brown, wet, very fine-grained, trace pe	bbles to 1/2*.			40-1	Ţ
		ON ISCII more,			LOG OF EXPLORATO	RY BORING	Ì		RW PAGE 1	

APPROVED BY: A. Campbell, RG Pleasanton, California  BY BY BY BY BY BY BY BY BY BY BY BY BY B	_	LOCATION: Former Mobil Station 04-H6J LOGGED BY:							A. Le May				
DRILLING METHOD: 12-inch Hollow-Stein Auger   SAMPLER TYPE: California Modified Split Spoon   TOTAL DEPTH: 56.5 feet DEPTH TO WATER:   SAMPLER TYPE: California Modified Split Spoon   TOTAL DEPTH: 56.5 feet DEPTH TO WATER:   SAMPLER TYPE: California Modified Split Spoon   TOTAL DEPTH: 56.5 feet DEPTH TO WATER:   SAMPLER TYPE: California Modified Split Spoon   TOTAL DEPTH: 56.5 feet DEPTH TO WATER:   SAMPLER TYPE: California Modified Split Spoon   SAMPLER TYPE: California Modified Split Spoon   TOTAL DEPTH: 56.5 feet DEPTH TO WATER:   SAMPLER TYPE: California Modified Split Spoon   SAMPLER TYPE: Cal		1024 Main Street APPROVED BY:											
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect		Pleasanton, California DRILLING CO.:								& W	Drilling		
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect													
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect						<u> </u>	DRILLING METHOD: 12-inch Hollow-Sterr	n Auger					
4.4.8 50 SILTY SAND: dark motified yellowish brown, loose, wet, very 5M SILTY SAND: dark motified dark yellowish brown, soft, wet.  2.3.5 25 SILTY SAND: dirk motified dark yellowish brown, soft, wet.  2.3.5 0 SILTY SAND: dirk brown, soft, wet, very fine-grained.  3.3.5 0 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  5-inch distribution of the dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.  60 CLAY: dark yellowish brown, soft, wet, with pebbles and send to 1/4 inch.	E E					gra	SAMPLER TYPE: California Modified S	Split Spoon			WE	LL	
4.4.8 50 SILTY SAND: dark motified yellowish brown, loose, wet, very fine-grained.  3.4.8 50 SILTY SAND: dark motified yellowish brown, soft, wet.  2.5.5 25 SILTY SAND: dive brown, soft, wet, very fine-grained.  3.8.5 0 SILTY SAND: dive brown, soft, wet, very fine-grained.  3.8.5 0 SILTY SAND: dive brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6.	2	ES	(md	dd) :	Щ	→ Nole				ᇹ	CONSTRUCTION		
4.4.8 50 SILTY SAND: dark motified yellowish brown, loose, wet, very fine-grained.  3.4.8 50 SILTY SAND: dark motified yellowish brown, soft, wet.  2.5.5 25 SILTY SAND: dive brown, soft, wet, very fine-grained.  3.8.5 0 SILTY SAND: dive brown, soft, wet, very fine-grained.  3.8.5 0 SILTY SAND: dive brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, very fine-grained.  5. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inch.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, with pebblos and send to 1/4 inches.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6. Inches daments of the dark yellowish brown, soft, wet, were fine-gained.  6.	ð.	호	d) K	#-G	MP	et p			SCS	B B	DET	AIL	
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CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.  CLAY: dark yellowish brown, soft, wet, with pebbles and sand to 1/4 inch.	2,2	2,5	0						SIVI			— End cap	
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PAGE 2 OF 2			<b>GEO</b>	SCIE			LOG OF EXPLORATO	RY BORING	ì				
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PROJECT NO.: 30-0065

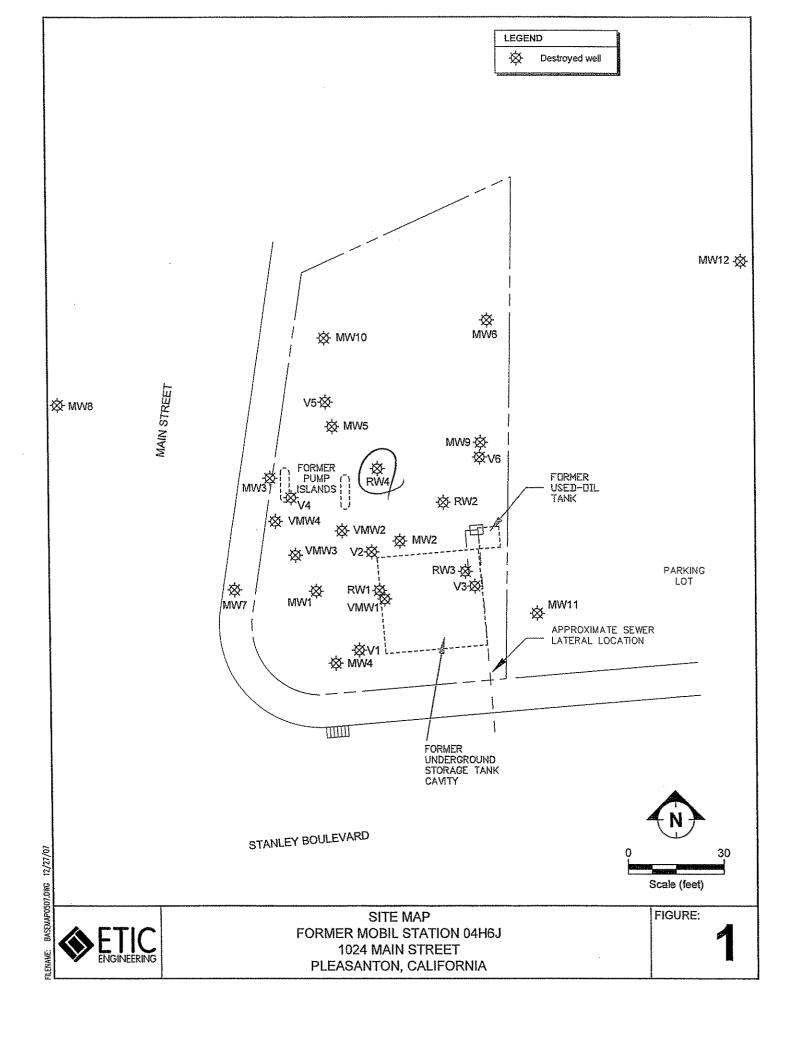
DATE DRILLED: 8/30/94



STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

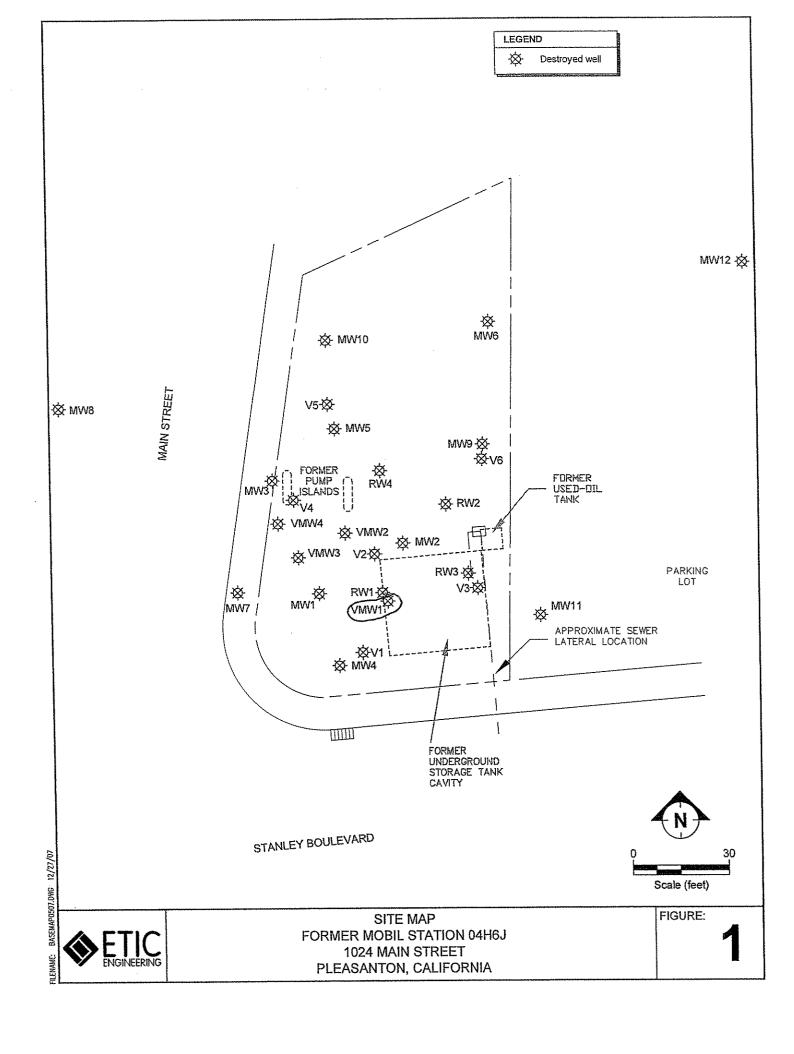
E ₄₀								
GRAVELLY SAND: light olive gray, loose, wet, coarse sand with grate to 1/2 inch, clasts subrounded.	SP 35 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
SILTY SAND: moderate yellowish brown, loose, moist, very fine-graf								
- 	25————————————————————————————————————							
SILTY CLAY: dark yellowish brown, soft, moist, moderate plasticity.	CL. 20 — Bentonite Seal							
	15— 15— 15— PVC cas							
10 Damp.	10							
SILT: mottled yellowish brown, soft, dry.	ML							
- 0 Hand-augered to 5 feet. 2-inch asphalt.	O Utility box locking car							
SAMPLER TYPE: California Modified Split-Spoon	WELL CONSTRUCTION DETAIL							
1024 Main Street APPROVED  Pleasanton, California  DRILLING CO								
	LOGGED BY: A. Le May							
Pleasanton, California  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  DRILLING  SAMPLER TYPE: California Modified Split-Spoon  TOTAL DEPTH: 54 feet DEPTH TO WATER: 40feet  DESCRIPTION  Hand-augered to 5 feet. 2-inch asphalt.	C: A. Le May BY: A. Campbell, RG O.: V & W Drilling  WELL CONSTRUCTI DETAIL  Output Detail							

	PROJECT NO.: 30-0065 DATE DRILLED:						8/30/94						
LO	LOCATION: Former Mobil Station 04-H6J LOGGED BY:							A. Le May					
	1024 Main Street APPROVED BY:							A. Campbell, RG					
	Pleasanton, California DRILLING CO.:							V & W Drilling					
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	SAMPLER TYPE: California Modified S	TOTAL DEPTH: 54 feet DEPTH TO WATER: 40 feet							
0,20,25	200			— 40 <u>-</u> -	SANDY GRAVEL: dark gray, medium dense, satura coarse sand to gravel up to 1 inch.	ted, poorly graded,	GP		40-	<u></u>			
5,11,16	150			- - -	Coarse sand to gravel to 3/4 inch.					#3 Sand			
5,9,18	140			— 45   	Coarse sand and gravel to 1/2 inch. Coarse 3-inch s	and layer at 46 feet.	<del>-</del>		45—				
11,28,44	50			-	SAND: dark gray, dense, saturated, very coarse-gra with depth to gravel 2/3 inch, poorly graded.	ined sand coarsening	SP			6-inch- diameter – PVC casing 0.020-inch			
5,6,10	50			50   	CLAY: moderate yellowish brown, soft, moist, trace		CL.		50	slotting — End cap			
5,7,8	50			_									
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ALTON GEOSCIENCE Livermore, California					LOG OF EXPLORATO	RY BORING			RW-				



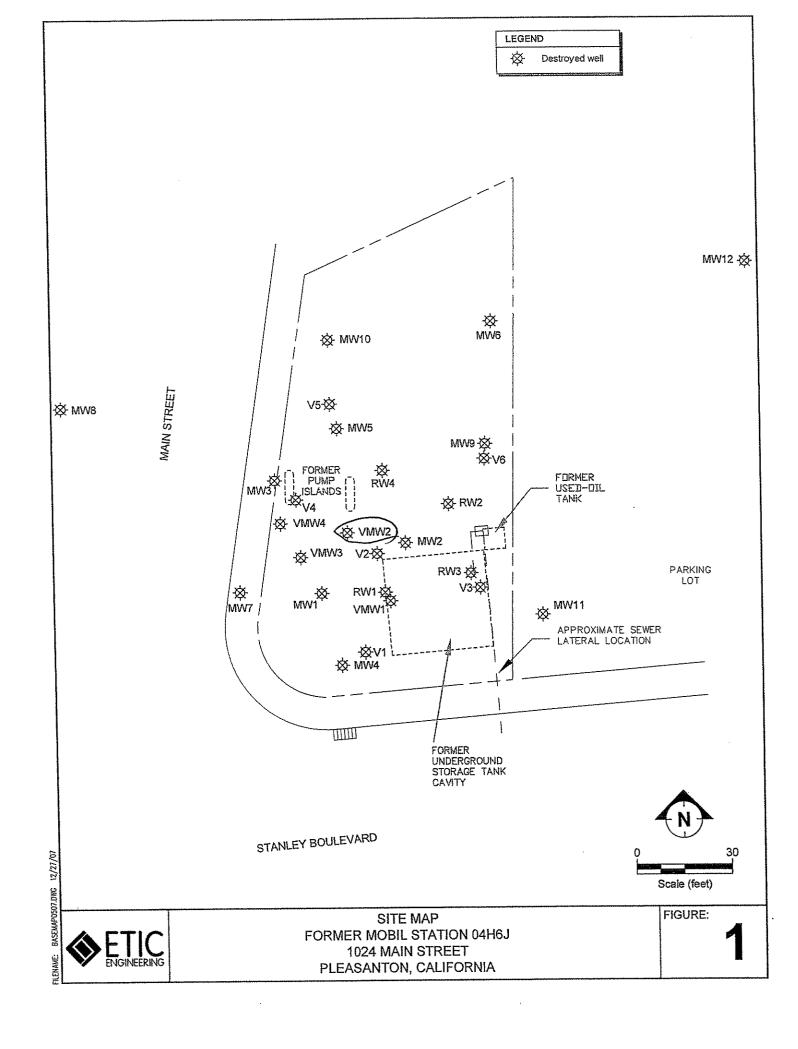
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

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	LOCATION: Mobil Station 04-H6J LOGGED BY:								R. Scheele				
	1024 Main Street APPROVED BY:								J.A. Lehrman, RG				
	Pleasanton, California DRILLING CO.:								V & W Drilling				
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Storage SAMPLER TYPE: California Modified Spatial Depth: 35.0 feet Depth to Water Description	nscs	LITHOLOGY	WE CONSTF DET	RUCTION				
11 9 718	90	<u>d.</u>	SA	-0             -	Hand-augered to 5 feet.  SANDY GRAVEL (Fill).  Plastic liner at 9.5 feet.  SILTY CLAY: dark brown, medium stiff, damp; well gravel. 0.25-inch-diameter.  SANDY CLAY: brown with dark gray staining, medium graded, with silt.  5% gravel to 0.25-inch-diameter.	stiff, damp; medium	SM		0	Utility box with locking cap — Concrete — Grout  4-inch— diameter PVC casing  Medium — Coarse Aquarium Sand  4-inch- diameter PVC casing  0.030-inch slottling			
				- 40					40				
	GE	TON DSCI		CE	LOG OF EXPLORATO	RY BORING	<u> </u>	VMW-1					
	X Live	more,	Cafi	rornia				<u> </u>	PAGE 1				



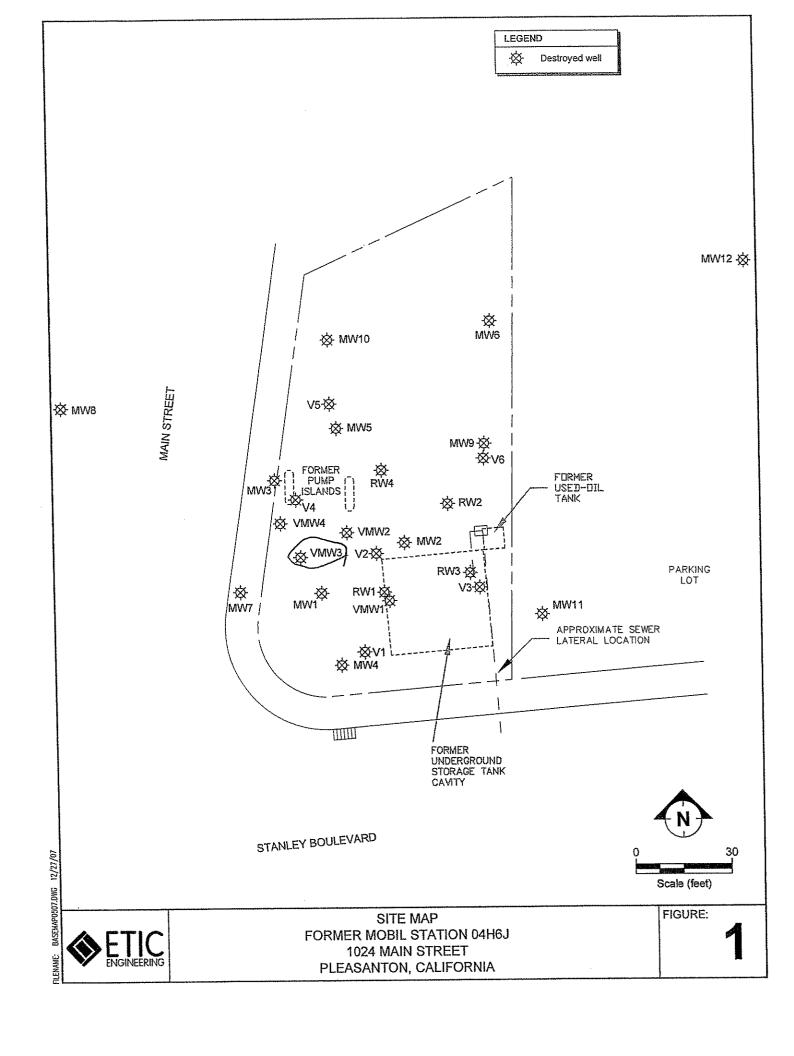
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

·	JECT			30-00							
<u> </u>	LOCA	TION	<u> :</u>		Station 04-H6J	LOGGED BY:					
ļ								J.A. Lehrman, R.G.			
				Pleas	anton, California	DRILLING CO.:	V	& W	Drilling		
BLOWS PER 6 INCHES	CGI (ppm)	тРН-G (ррт)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Ster SAMPLER TYPE: California Modified Spl. TOTAL DEPTH: 35.0 feet DEPTH TO WATE DESCRIPTION	lit-Spoon	uscs	гтногову	CONS	WELL STRUCT DETAIL	ION
		,	<u>  ~</u>					NN.		1 tall to	
				0	Hand-augered to 5 feet. Sandy gravel (Fili).		Fill			locking	oox with crete
9/12/14 8/10/16	200			5	SANDY CLAY: brown, soft, damp; fine-grained sand, we	ell graded, with silt.	CL		5	← Grou	ıt
4/9/12	300	ND		L				h			
8/10/13 5/9/11	275			- 10 - 10 	SANDY SILT: brown, medium stiff, damp; fine-grained s some clay, trace pebbles to 0.25-inch-diameter, dark gra	and, well graded, ay staining.			10	4-inc dlam PVC	h- leter casing
7/10/14					Dark gray; burrows.	:	ML			Bent Seal	onite
5/7/8				- 15					15	_	
6/8/11	275										
3/4/6			$\vdash$	E					日軍	∄	
7/9/13			igert	- 20				Щ	20JE		
6/7/11			Ш	E	SANDY CLAY: brown, medium stiff, damp; fine-grained some silt, burrows.	sand, well graded,					
5/9/13	200	4.9		_	some siit, burrows.				▎▔▓▐	∄	
,			$\parallel$	E							
2/4/5 3/4/7			$\vdash$	25			CL		25 🗔 🗏		
			H	E					▍▗╣▐		
5/8/10				F						Coa	rse
			×	F						San	arium d
7/11/15			П	_ _ 30	SILTY SAND: brown, loose, damp; fine-grained, well gr	aded.			見る		
7/12/15	90% LEL	2,400	廾	<b>–</b>			SM				
	1-E-L		H	F						4-in-	·h
9/14/19			$\vdash$	E	SANDY CLAY: brown, medium stiff, damp; fine-grained some silt, burrows, trace gravel to 0.5-inch-diameter.	l sand, well graded,	CL		] 二雕	±i33 dian	on- neter casing
11/13/18				E 35	3,000			$\mathbb{Z}$	<b>∄</b> ₹ ₹ ₹ ₹		0-inch
				_						*****	
				<b> </b>					=		
				E							
				<del>-</del> 40		-			40	Accompanies	
	GE	ION DSCII			LOG OF EXPLORATOR	RY BORING	PRING VMW-2				
Livermore, California					<u> </u>	PAGE 1 OF 1					



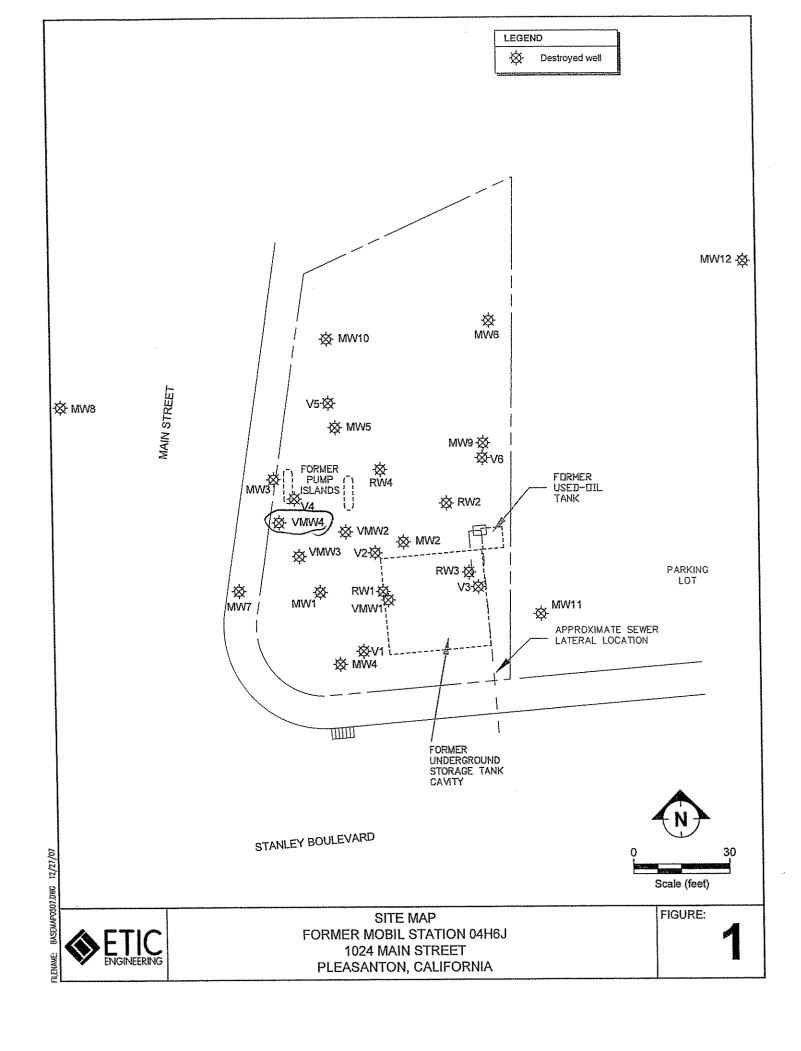
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	A Live	rmore,	Cal	ifornia	MOVIOL MINICIPALIO		- •		PAGE 1			
	GE	ron Osci			LOG OF EXPLORATO	BY BORING	``		VMV	V-3		
				-40					40	Laboration		
12/19/22	250	0.98		#35 #	SANDY GRAVEL: gray, loose, damp; medium- to vergraded, semi-angular to semi-rounded gravel to 1.0-i	ry coarse-grained, well	GM		35			
					SANDY CLAY: brown, soft, damp; fine-grained sand,  SILTY SAND: dark gray, medium stiff; fine- to medium		CL SM			← End cap ← Bentonite plug		
6/7/10	5% LEL			= 30 =	SILTY SAND: brown, soft, damp; fine-grained, well g	······································	SM		30-	slotting		
4/5/6	8% LEL	9.3		25			CL		25 — — — — — — — — — — — — — — — — — — —	4-Inch- diameter PVC casing 0.030-Inch		
3/4/5	200	2.7		20	SANDY CLAY: brown, soft, damp; very fine-grained s of burrows, dark gray staining, some silt.	and, well graded, trace			20-	Medlum ← Aquarium Sand		
4/5/8	300			15	Burrows (horizontal and vertical).				15	Seal		
8/4/7	200				Rootlets.				10-1	4-inch- diameter PVC casing Bentonite		
3/4/5	200			5 	SANDY SILT: dark brown, soft, damp; fine-grained sa semi-angular pebbles to 0.25-inch-diameter.	nd, well graded,	ML		5	⊱ Grout		
					Hand-augered to 5 feet. Sand: light brown (Fill).		Fill			Utility box with locking cap  Concrete		
BLOWS PER 6 INCHES	CGI (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-St. SAMPLER TYPE: California Modified S TOTAL DEPTH: 36.5 feet DEPTH TO WAT  DESCRIPTION	plit-Spoon	USCS	- итноцову	WE CONSTR DET			
					anton, California	DRILLING CO.: V & W Drilling						
	OCA	TION	:		Station 04-H6J Main Street	LOGGED BY: R. Scheele APPROVED BY: J.A. Lehrman, R.G.						
	JECT			30-00		DATE DRILLED:		1-16-				



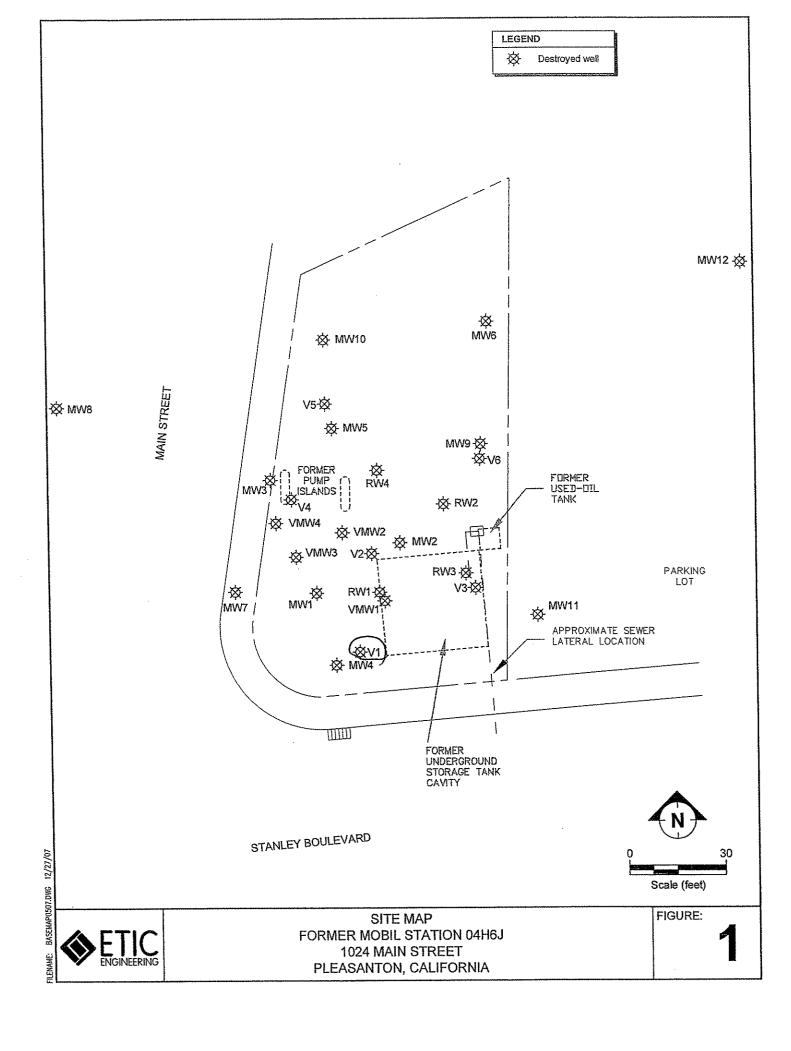
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	JECT			30-00		DATE DRILLED:		1-16-		
L	.OCA	TION	l:			LOGGED BY:			reele	
		···			<del></del>	APPROVED BY: DRILLING CO.:			ehrman, R. Drilling	G
			T					α vv	Diming	
BLOWS PER 6 INCHES	cal (ppm)	TPH-G (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 10.25-inch Hollow-Stem SAMPLER TYPE: California Modified Split- TOTAL DEPTH: 36.5 feet DEPTH TO WATER DESCRIPTION	-Spoon	USCS	LITHOLOGY	CONSTR	ELL RUCTION FAIL
10/16/8					Hand-augered to 5 feet. SANDY GRAVEL (Fill).		Fill		5	Utility box with locking cap  Grout  4-inch-diameter PVC casing
2/2/3	275	680		 - - 10 - - - -	SANDY CLAY: dark brown, soft, damp; well graded, trace pebbles to 0.5-inch-diameter, trace of burrows, some silt.	of semi-round	CL		10	Bentonite Seal
3/3/4	25% LEL				SANDY SILT: brown, soft, damp; well graded, some clay, with clay.	trace of burrows,	ML		15	Coarse ← Aquarium Sand
3/3/5 4/5/7 4/5/9	70% LEL 50% LEL	1,700	X	20 	SANDY CLAY: brown, soft, damp; well graded, with gray b	burrows, trace silt.	CL		20	4-inch- diameter — PVC casing 0.030-inch slottling
5/9/10	60% LEL			30	SILTY SAND: brown, loose, damp; medium graded, very clay.  Dark gray, trace clay.	fine grained, some	SM		30-1	
10/16/18	20% LEL	630		- 35 40	SANDY GRAVEL: gray, loose, damp; medium-coarse to vand, well graded, semi-angular to semi-rounded gravel to	very coarse-grained o 1-inch-diameter.	GM		35 -	← End cap ← Bentonite plug
		ON DSCI more,			LOG OF EXPLORATOR	Y BORING			VMW PAGE 1	
									30-0065/VMW-4	01/10/94



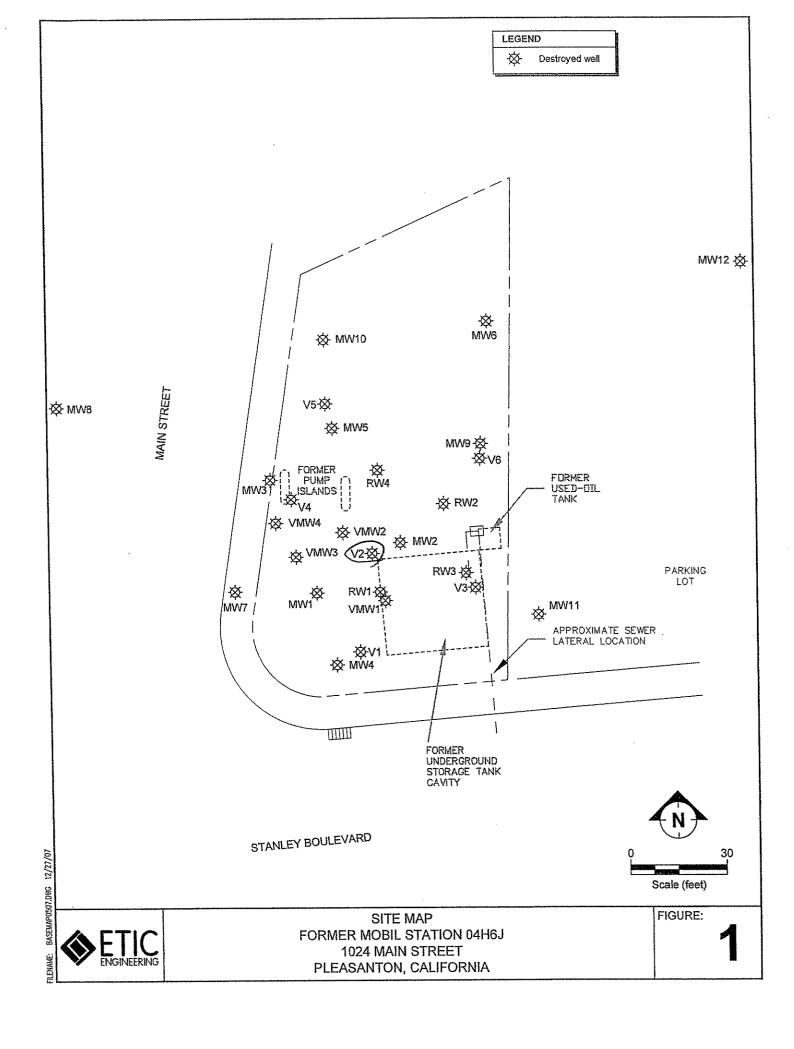
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	Â				***************************************					CLIENT	***************************************	SITE	NUMBER	····	LC	CATION	
•			VGINE	ERING						ExxonMobil Oil Co	orp.		04H6J			1024 Mair leasanton,	
LO	G O			RING:		١	V	1		DRILLING AND SAMPLING METHODS	Bor S as	ehole de lide ham	eared to 6 feet by ner and 6-inch k	gs using ong line	1 # 6-lpr	ch hand auger. S	Sampled with
cc	ÖRI	DINA'	TES: N	120679	950 <b>4</b>	·Fe	316	34178		WATER LEVEL				***************************************			
Į.				OF CA			,,,	74110		TIME						START TIME	FINISH TIME
<b></b>				SURFA			1.1	2		DATE	***************************************					1130	1320
				NY: V						REFERENCE						DATE 6/29/09	DATE
	INCHE			R: C57	-/05	927 11.	TT	T	SI	URFACE CONDITIONS						0/29/09	6/29/09
DRIVEN	1	RECOVER	BLOWS / 6" SAMPLER	OVA READING	TTH ()	AIR SAMPLE WATER SAMPLE	SAMPLE	GRAPHIC LOG					Asphalt				
ac	5	REC	SAN	OV.P REP	DEPTH (feet)	MRS	SOL	28 P	ום	ESCRIPTION BY: Yuko	Mam	iiya				DETAILS	
					0			AC/AB		ASPHALT to 2 inches be AGGREGATE BASE fron ground surface.	elow g n 2 in	round s ches to	urface. 1 foot below				oolt, ht, n well box d granular te from
					1				(	CLAYEY SAND - dark bridense, fine grained, sligh	own ( ntly m	10YR 3 oist.	/3), medium			bentonit ground 4 feet	te from surface to
					2											stainles	rom around
					3											feet	
				***************************************	4		***************************************									5 feet be	e from 4 to elow
					5											ground : #2/12 S to 6 feet	and from 5
6	5	6					X									ground : 0.4-inch	surface diameter, inch slot,
6	5	-6			6				I	3oring terminated at 6 fe	et bel	low gro	and surface,		لننذ	screen f	rom 5.25 feet below
9/25/03					7				***************************************								
J E11C,GD1					8												
G 04H6J.GF							***************************************	,									
LOG OF SOIL BORING 04HBJ.GPJ ETIC.GDT 9/25/09					9-												
000					10			_									



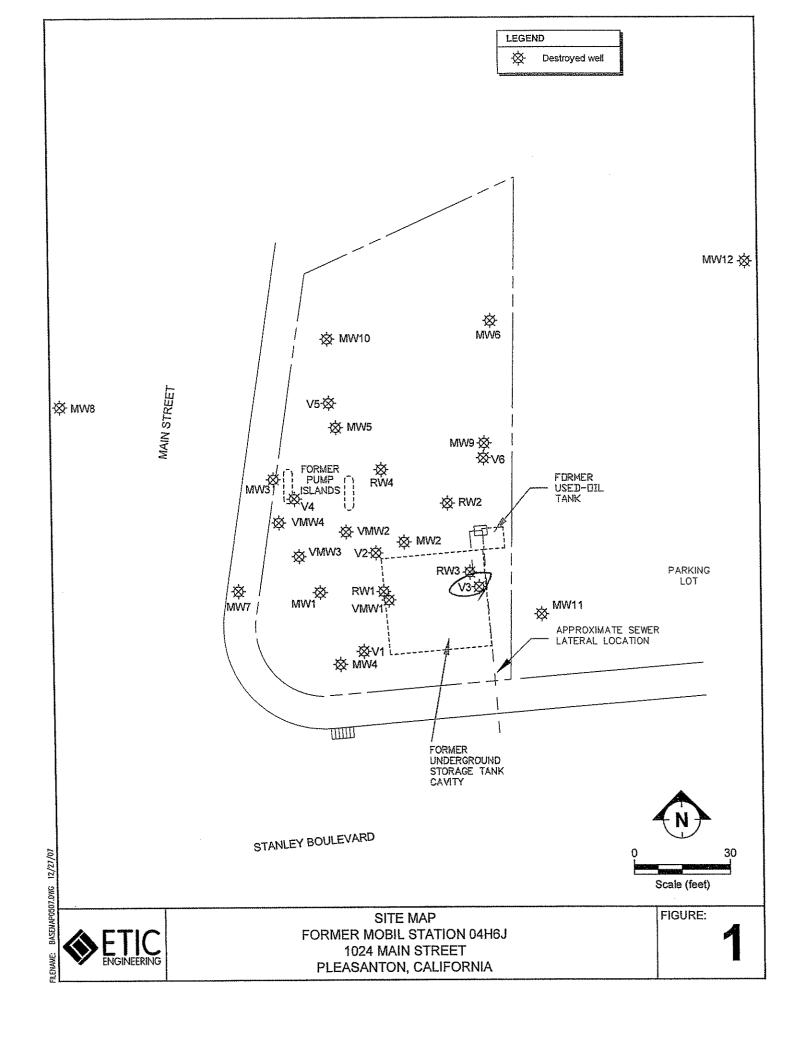
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

A.	. F								CLIENT		SITE	NUMBER		LC	CATION	h
	EN	IGINEE	RING						ExxonMobil Oil C	orp.		04H6J	,	Р	1024 Mair leasanton,	n Street California
-									DRILLING AND SAMPLING METHOD	Bor S asl	ehole cle ide hamn	ared to 6 feet by ner and 6-inch is	gs usir ong lin		ch hand auger. (	
LOG OF	F SOI	L BOF	RING:		V	2							Physiological Procedural States			
COORE	TANIC	TES: N	120679	81 :E	3164	4182	2.1		WATER LEVEL					<b></b>	CTADT	EINHOLI
ELEVAT									TIME						START TIME	FINISH TIME
CASING						53			DATE						1050	1120
DRILLIN LICENS									REFERENCE						DATE 6/29/09	DATE 6/29/09
INCHES	s				ш	П		SL	JRFACE CONDITIONS	L	!			······································		I
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	WATER SAMPLE	WERED	GRAPHIC LOG	L.				Asphalt				
DRJ	HEC.	SAN	RES	(feet	\$ 15 CS	RECO	100 100 100	DI	ESCRIPTION BY: Yuko	Mam	iya				DETAILS	
		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		1		- A	C/AB	9	ASPHALT to 2 inches by AGGREGATE BASE from the pround surface.  CLAYEY SILT - olive brother, low plasticity, slight	m 2 in own (2	ches to .5Y 4/4'	1 foot below	TROTTROTTE		Hydrate bentoni	ht, n well box d granular
COO OF SOLE BURNING VARIOUS ET LEGGE SIZENDE	6			2— 3— 5— 8—			N. C. C. C. C. C. C. C. C. C. C. C. C. C.	FEE	Boring terminated at 6 f	eet be	low grot	und surface.			Dry grabentoni 5 feet b ground  #2/12 S to 6 fee ground 0.4-incr 0.0057- stainles screen to 5.75	nular te from 4 to elow surface and from 5 t below surface diameter, inch slot,



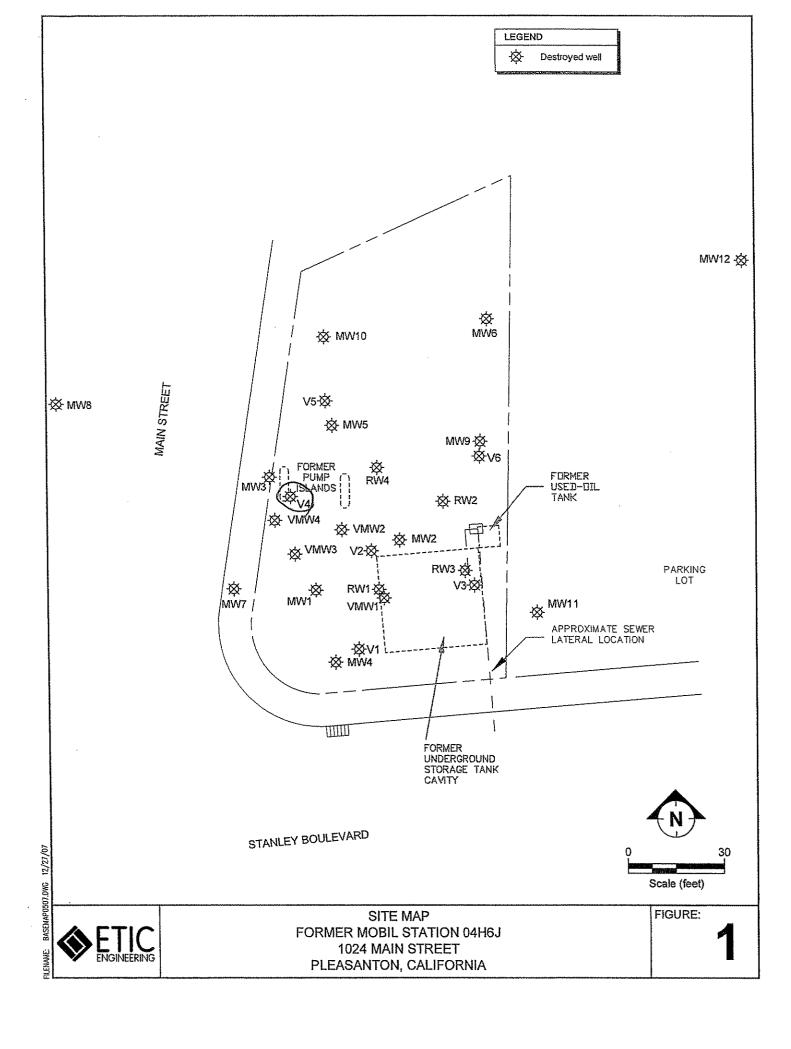
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	16			CLIENT		SITEN	IUMBER	LC	CATION	
ENGINE	ERING			ExxonMobil Oil C	orp.		04H6J	Р	1024 Mair leasanton,	n Street California
LOG OF SOIL BO	RING:	V	73	DRILLING AND SAMPLING METHOD		ehole clea ide hamm	ared to 6 feet bg ier and 6-inch to	s usina a 6-ina	ch hand auger. S	
COORDINATES:	ORDINATES: N2067970.4 :E6164214.4									
ELEVATION TOP	OF CASI	NG:		TIME					START TIME	FINISH TIME
CASING BELOW DRILLING COMP			.58	DATE					1330 DATE	1420 DATE
LICENSE NUMBE				REFERENCE					6/29/09	6/29/09
INCHES 2 CH	9	E MPLE	_ස ၁	SURFACE CONDITIONS			Asphalt			
DRIVEN  RECOVER BLOWS/6"	OVA READING DEPTH	(feet) AIR SAMPL WATER SA	RECOVERED GRAPHIC LOG	DESCRIPTION BY:					DETAILS	
D E 80		0-1	SE 07		Mami	· · · · · · · · · · · · · · · · · · ·	wia		Single b	
		***************************************	AC/AB	ASPHALT to 2 inches by AGGREGATE BASE from ground surface.	n 2 ind	ches to	inace. 1 foot below		watertig Morriso	ht, n well box
		1		SANDY SILT - dark brow stiff, low plasticity, sine	vn (10) o med	YR 3/3), lium gra	medium ined sand,		bentoni	d granular te from surface to
LOG OF SOIL BORING 04H6J.GPJ ETIC.GDT 9125/09		3-4-5	M	CLAYEY SILT - dark grato medium stiff, low plass Boring terminated at 6 fe	yish b	rown (2. slightly :	5Y 4/2), soft noist.		O.25-inc stainles tubing from tubing from tubing from the surface feet  Dry grand benfonly 5 feet biground 0.4-inch 0.0057-stainles screen	nular te from 4 to elow surface and from 5 t below surface diameter, inch slot, s steel from 5.25 feet below



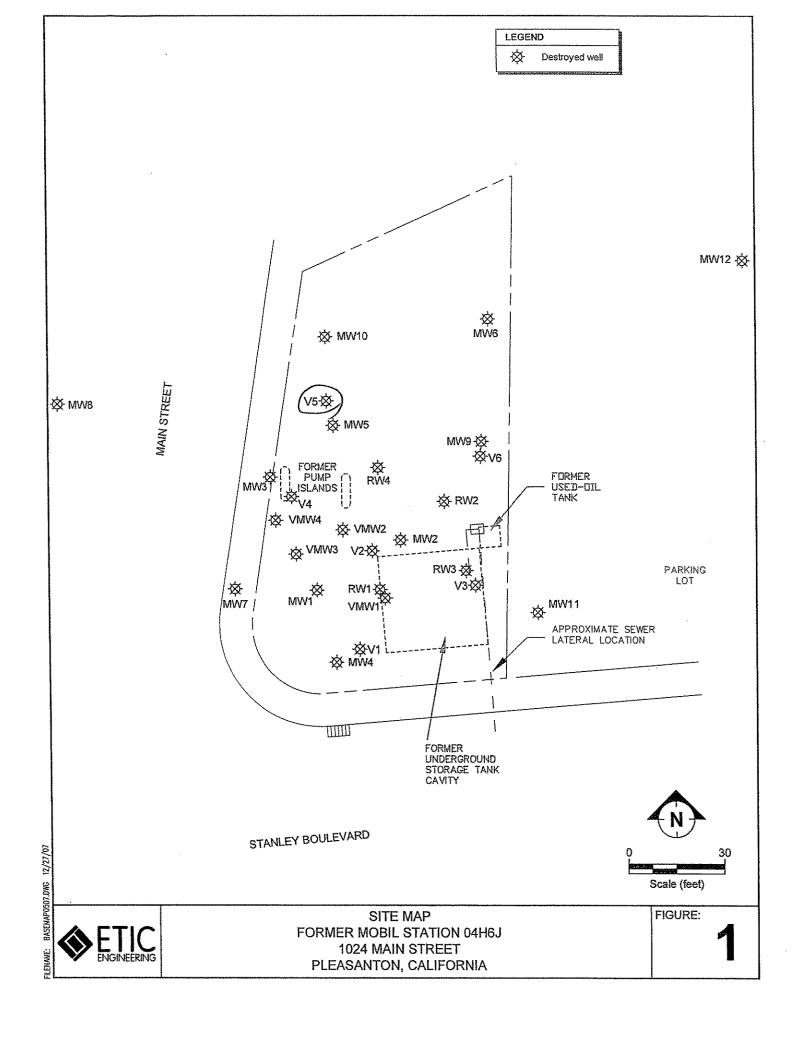
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

	Á	<b>A</b> • <b>I</b> "	an environ i					*****************		CLIENT		SITE	NUMBER	L	OCATION	
			<b>J</b> GINEE	RING	,					ExxonMobil Oil C	•		04H6J		1024 Mair Pleasanton,	California
		P 11	47.236 41L							DRILLING AND SAMPLING METHOD	Boi	ehole clea	ared to 6 feet bgs ner and 6-inch lor	using a 6-i	nch hand auger.	Sampled with
LC	)G (	F SO	IL BOR	RING:		A	V/	Į.		OAWI LING WETTOL	.0					
										WATER LEVEL	<u> </u>			·····		
i			TES: N				641	157			-			·	START	FINISH
1			LOW S				1 0:	9		TIME					TIME 0945	1040
			OMPA				1			DATE				***************	DATE	DATE
i			JMBEF							REFERENCE			Name of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party		6/29/09	6/29/09
	INCH					li i			s	SURFACE CONDITIONS	.1					
	<u>a</u>	RECOVER	BLOWS / 6" SAMPLER	ova Reading	Ŧ,	WPLE R SAME	VERFD	GRAPHIC LOG					Asphalt			
	DRIVEN	REC	SAM	8ĕ.	DEPTH (feet)	WATE	SOL	850	D	DESCRIPTION BY: Yuk	o Marr	niya			DETAILS	
1.GPJ ETIC.GD7 9/25/09	6	6			0—————————————————————————————————————			FILL		ASPHALT to 2 inches be AGGREGATE BASE froground surface.  SANDY GRAVEL [BAC grayish brown (2.5Y 4/2 in diameter, slightly mo	KFILL ), soft ist.	MATER, gravels	IALJ - dark s up to 1 inch		Dry grabentonion 5 feet biground 4.4 feet 2.5 feet biground 4.4 feet 2.5 feet biground 4.4 feet 2.7 feet biground 5.4 feet 5.7 feet biground 6.4 feet 6.7 feet biground 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 feet 6.7 fe	pht, in well box ad granular te from surface to  ch diameter as steel from ground to 5.25
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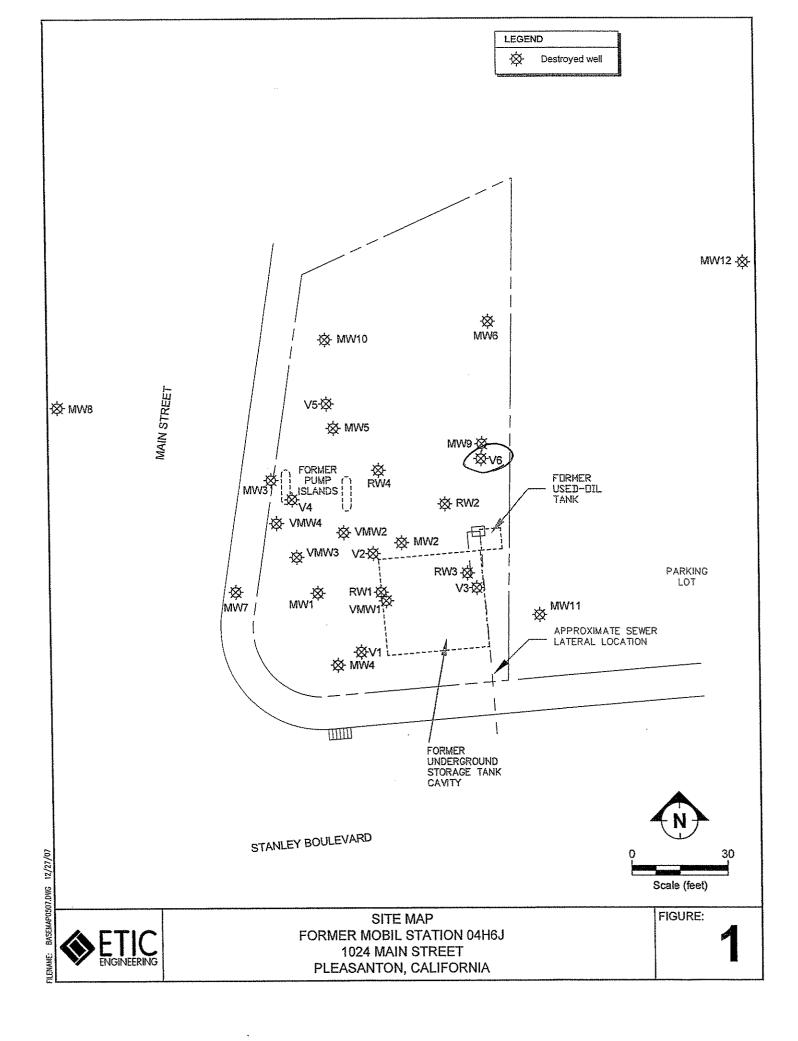
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

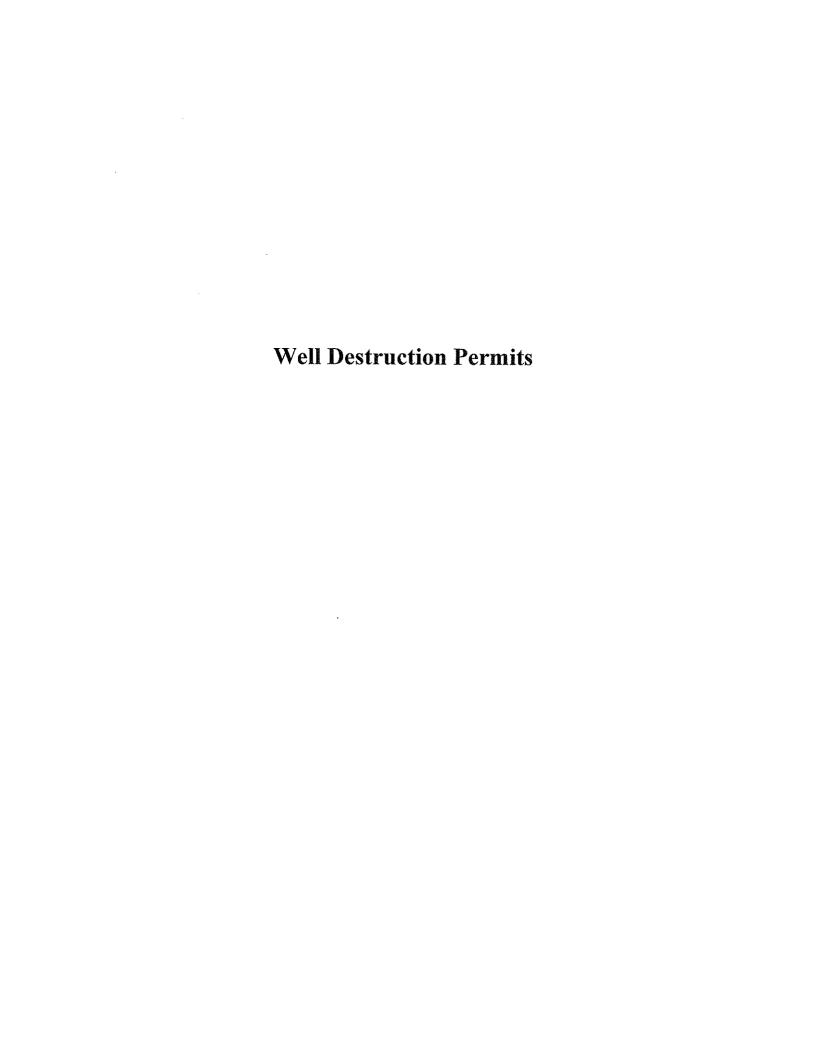
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				1					ASPHALT from 12 inch ground surface.	es to 1	l4 inche	s below			bentoni	te from surface to
						H		1	CLAYEY SILT - dark gr to medium stiff, low pla	ayish l sticity,	orown (2 slightly	.5Y 4/2), soft moist.			4 1661	
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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

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ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 84551 VOICE (925) 454-5000 FAX (925) 245-9306 E-MAIL whong@zone7waler.com

FOR OFFICE USE

DRILLING PERMIT APPLICATION

FOR APPLICANT	TO COMPLETE	

1024 Main Street WEL	MIT NUMBER 2010055 L NUMBERMW1-MW12; RW1-RW4, VMW1-VMW4 & V1-V6 094-0199-001-07
Coordinates Sourceft. AccuracyVft. LAT:ft. LONG:ft. APN 094-0199-001-07	PERMIT CONDITIONS (Circled Permit Requirements Apply)
CLIENT Name ExxonMobil Environmental Services Company Address 4096 Piedmont Ave. #194 Phone (510) 547-8196 City Oakland Zip 94611 APPLICANT Name Cascade Drilling, LP Email Fax.916-638-5611 Address 3632 Omec Circle Phone 916-638-1169 Clty Rancho Cordova Zip 95742 B.	 A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starling date. Submit to Zone 7 within 60 days after completion of permitted work the original <u>Department of Water Resources Water Well Orillers Report (DWR Form 188), staned by the driller.</u> Permit is void if project not begun within 90 days of approval date. Notify Zone 7 at least 24 hours before the start of work.
TYPE OF PROJECT: Well Construction Geotechnical Investigation Well Destruction Contamination Investigation Cathodic Protection Other	 Minimum surface seal diameter is four inches greater than the well casing diameter. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Grout placed by tremie.
PROPOSED WELL USE: Domestic Infigation Municipal Remediation Industrial Groundwater Monitoring Dewatering Other	 An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements. A sample port is required on the discharge pipe near the Wellhead.
DRILLING METHOD: Mud Rotary Air Rotary Hollow Stem Auger Ceble Tool Direct Push Other DRILLING COMPANY Cascade Brilling, LP	GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS 1. Minimum surface seal diameter is four inches greater than the well or piezometer cesing diameter. 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
DRILLER'S LICENSE NO. C57-938110 WELL SPECIFICATIONS: See attached well details. D. Drill Hole Diemeterin. Maximum Cesing Dlameterin. Depthft. Surface Seal Depthft. Number 25ft. Number 25ft.	3. Grout placed by tremie. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
SOIL BORINGS: Number of Borings in. Depth ft.	CATHODIC. Fill hole above anode zone with concrete placed by tremie.
ESTIMATED STARTING DATE 15 June 2010 ESTIMATED COMPLETION DATE 17 June 2010 G.	WELL DESTRUCTION. See attached. SPECIAL CONDITIONS. Submit to Zone 7 within 50 days after completion of permitted work the well installation report
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68. APPLICANT'S Date 5/25/10	roved Wyman Hong Date 6/11/10
ATTACH SITE PLAN OR SKETCH	V

Revised: January 4, 2010

Zone 7 Water Resources Engineering Groundwater Protection Ordinance

ExxonMobil Environmental Services Company
1024 Main Street
Pleasanton
Wells MW1 to MW12, RW1 to RW4, VMW1 to VMW4 and V1 to V6
Permit 2010055

<u>Preliminary Destruction Requirements:</u>

- 1. Remove from the well any pump, appurtenances, debris, or other materials.
- 2. Sound the well as deeply as practicable and record for your report.
- 3. Fill casing with neat cement or cement grout sealing material to two feet below the finished grade and pressurize to 25 psi and maintain for 5 minutes, forcing the sealing material through the existing perforations and into the surrounding formation.
- 4. Release the pressure and refill the empty portion of the casing with grouting material allowing it to spill over the top of the casing to form a cap.
- 5. Cut and remove any casing(s) to two feet below the finished grade or original ground, whichever is the lower elevation.
- 6. After seal has set, backfill the remaining hole with compacted material.