#### **RECEIVED**

8:50 am, Feb 16, 2010

Alameda County Environmental Health



76 Broadway Sacramento, California 95818

February 11, 2010

Barbara Jakub Alameda County Health Agency 1131 Harbor Bay parkway, Suite250 Alameda, California 94502-577

Re:

Well Abandonment Work Plan Report 76 Service Station # 5484 RO # 0352 18950 Lake Chabot Road Castro Valley, CA

Dear Ms. Jakub:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Terry L. Grayson Site Manager

Risk Management & Remediation

February 11, 2010

Ms. Barbara Jakub Alameda County Health Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502

RE: Well Abandonment Work Plan

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting this *Well Abandonment Work Plan*, dated February 11, 2010 for the following location:

## **Service Station**

#### Location

76 Service Station No. 5484

18950 Lake Chabot Road Castro Valley, California

Proposed activities related to well abandonment are to be completed prior to the end in the term of agreement: May 1, 2010. This completion deadline was established within the Amendment to License Agreement by and between John A. and Nancy D. Helton Trust, Craig H. and Kathryn Kutz Ragg Trust, and Dennis and Marie Corti Trust, ("Licensor"), and COP, ("Licensee") all proposed activities related to well abandonment are to be completed prior to the end in the term of agreement: May 1, 2010. (This Agreement is provided as Attachment A).

Please contact James Barnard at (916) 503-1279 if you have questions.

Sincerely,

**DELTA CONSULTANTS** 

Caitlin P. Morgan Staff Scientist

James B. Barnard, P.G.

mas B. Banar

Project Manager

California Registered Professional Geologist No. 7478

cc: Mr. Terry Grayson - ConocoPhillips (1 via electronic upload only)



#### **WELL ABANDONMENT WORKPLAN**

76 Service Station No. 5484 18950 Lake Chabot Road Castro Valley, California

County:

Alameda

### **INTRODUCTION**

On behalf of ConocoPhillips, Delta is submitting this *Well Abandonment Work Plan* to the Alameda County Health Care Service Agency for the site located at 18950 Lake Chabot Road, Castro Valley, California (Figure 1). This workplan describes the methods used in the abandonment of two off-site monitoring wells, MW-4A and MW-4B, located in the vicinity of the 18937 Lake Chabot Road property address (Figure 2).

Abandonment activities are to be preformed so as to remain in compliance with terms of an access agreement, stated in the *Amendment to License Agreement*. This *Amendment to License Agreement* ("Amendment") was entered into and became effective on April 10, 2009 by and between John A. and Nancy D. Helton Trust, Craig H. and Kathryn Kutz Ragg Trust, and Dennis and Mari Corti Trust, ("Licensor"), and COP ("Licensee"). The Amendment and associated Closing Memo, dated June 15, 2009 are enclosed (Attachment A). **Activities related to well abandonment are to be completed prior to the end in the term of agreement: May 1, 2010.** 

# **WELL ABANDONMENT ACTIVITIES**

# **Permitting, Utility Notification and Borehole Clearance**

Before commencing field activities Delta will prepare a Health and Safety Plan in accordance with state and federal requirements for use during on-site assessment activities. In addition, drilling permits will be obtained for abandonment of all wells and encroachment onto the 18937 Lake Chabot Road property address. Prior to drilling, Delta will notify Underground Service Alert (USA) and contract a private utility locator as required to clear the proposed abandonment locations for underground utilities. Prior to drilling, each abandonment location will be cleared to at least 5 feet bgs around the well casings with an air vacuum or water vacuum to minimize potential impact to underground utilities.

#### Well Abandonment

Delta will oversee the abandonment of two offsite monitoring wells MW-4A and MW-4B located in the planter box vicinity of the 18937 Lake Chabot Road address. Wells are to be abandoned in accordance with terms of the Amendment, revised to end on May 1, 2010 (Attachment A). Delta will obtain the necessary encroachment permit(s) in order to complete abandonment activities of these two wells presented on Figure 2.

Monitoring wells MW-4A and MW-4B will be abandoned by removing the existing well coverings (sprinkler box type) and over-drilling with a hollow stem auger rig equipped with 10-inch diameter augers to approximately one foot below the constructed depth of the well. The boreholes will be backfilled in accordance with Alameda County standards using neat cement to approximately one foot below grade. Quality soil will then be used to backfill to approximately one inch below ground surface, compacted, and finished with a 1-inch layer of sod to match the existing surface conditions. Historical boring logs showing the constructed well depths are included as Attachment B.

# **Disposal of Drill Cuttings and Wastewater**

Drill cuttings and wastewater generated during well abandonment activities will be placed into properly labeled 55-gallon Department of Transportation (DOT) approved steel drums and temporarily stored on the 76-Service Station property. Samples of the drill cuttings and wastewater will be collected, properly labeled and placed on ice for submittal to a California-certified laboratory and analyzed for TPHg, BTEX, and MtBE by EPA Method 8260B, and CAM 17 metals by EPA Method 6010. A chain-of-custody will accompany the samples during transportation to the laboratory. Subsequent to receiving the laboratory analytical results, the drummed drill cuttings and wastewater will be profiled, transported, and disposed of at a COP approved facility.

# Reporting

Following completion of well abandonment activities, a well abandonment report will be prepared and submitted within 60 days. The report will present the details of the abandonment activities and include copies of applicable permits. Required electronic submittals will be uploaded to the State Geotracker database.

#### **LIMITATIONS AND CERTIFICATIONS**

This report was prepared in accordance with the scope of work outlined in Delta's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of ConocoPhillips for the expressed purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Delta. To the extent that this report is based on information provided to Delta by third parties, Delta may have made efforts to verify this third party information, but Delta cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied, are made by Delta.

**CONSULTANT:** Delta Consultants

\*\*\*\*

#### **Figures**

Figure 1 – Site Locator Map

Figure 2 – Site Plan with Well Locations

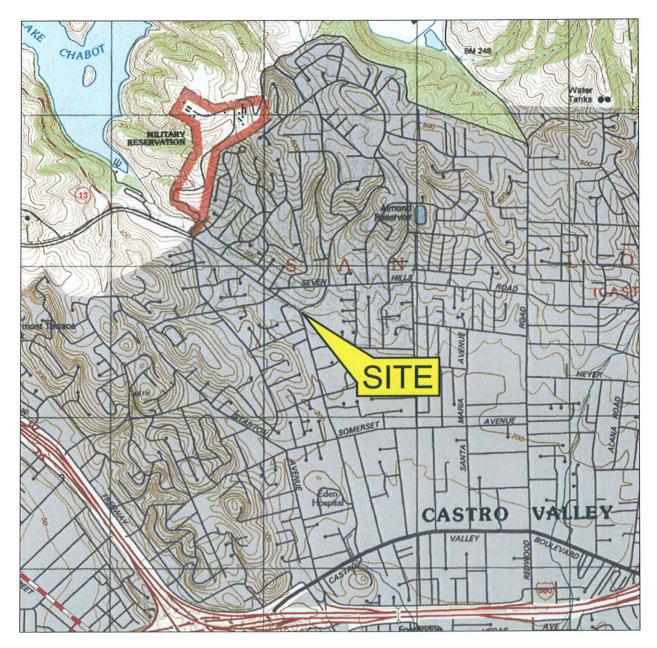
Well Abandonment Work Plan 76 Service Station No. 5484 18950 Lake Chabot Road, Castro Valley, CA

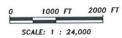
February 11, 2010 Page 4 of 4

# **Attachments**

Attachment A – Amendment to License Agreement, Closing Memo (06/15/09) Attachment B – Historical Boring Logs

# Figure 1 – Site Locator Map









## FIGURE 1

SITE LOCATION MAP

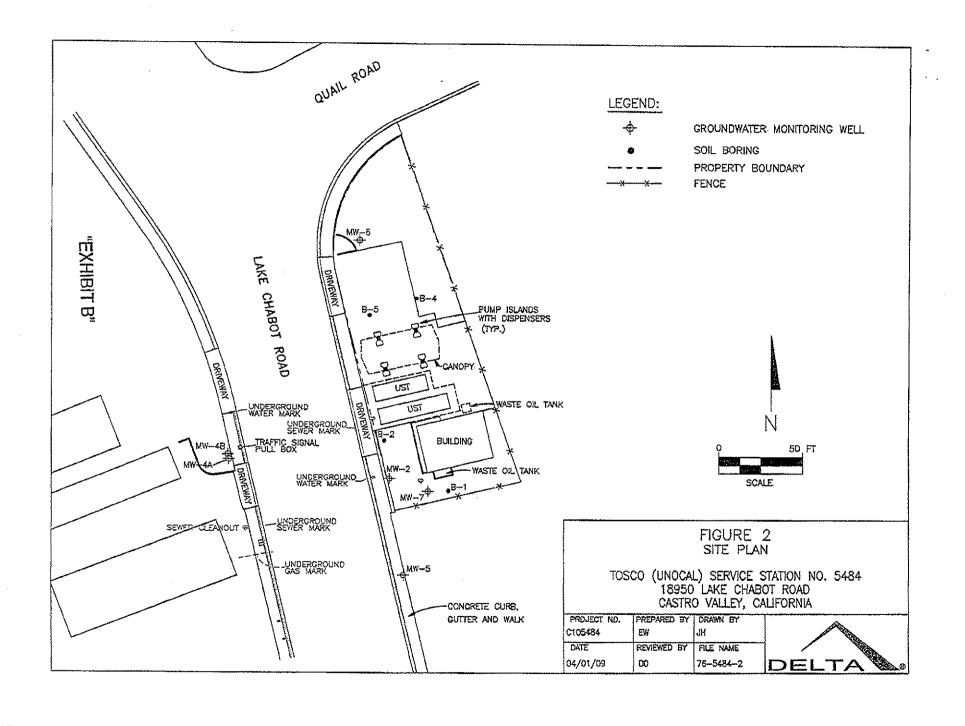
76 SERVICE STATION NO. 5484 18950 LAKE CHABOT ROAD CASTRO VALLEY, CA

PROJECT NO.	DRAWN BY
C105-484	MC 5/27/06 - DR 6/26/08
FILE NO.	PREPARED BY
Site Locator 5484	MC
REVISION NO. 1	REVIEWED BY



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, HAYWARD QUADRANGLE, 1967

# Figure 2 – Site Plan with Well Locations



# Attachment A – Amendment to License Agreement, Closing Memo (06/15/09)

Leigh A. Hollingsworth Property Tax, Real Estate Right of Way and Claims 1232 Perk Street, Suite 300 Paso Robles, CA 93446 Phone (805) 226.2654 Fax (805)239-4410

June 15, 2009

#### CLOSING MEMO

Terry Grayson ConocoPhillips Company 76 Broadway Sacramento, CA 95818

Re: AOC Site #:

1421 - 76 Service Station

Site Address:

18950 Lake Chabot Road, Castro Valley, CA

Acquisition#:

5484

TOBIN #:

PRW31299

Subject:

Amendment to License Agreement

Property Owner:

John A. & Nancy D. Helton Trust, Craig H. & Kathryn Kutz Ragg Trust

Dennis & Marie Corti Trust

Property Location:

18937 Lake Chabot Road, Castro Valley, CA

Owner Contact:

John & Nancy Helton Trust, Craig & Kathryn Kutz Ragg Trust

Dennis & Marie Corti Trust 20980 Redwood Road, Unit #210 Castro Valley, CA 94546-5930 Attn: Craig Ragg Real Estate

Phone: (510) 889-7709

Date contract signed: May 11, 2009

Expiration:

May 1, 2010 (Revised term of Agreement)

Pre-Construction

Requirements:

Coordinate activities with Licensor in advance of work

#### Dear Terry:

Enclosed please find a copy of the Amendment to License Agreement granting continued access to reinstall two (2) groundwater monitoring wells (MW-4A & MW-4B) with testing and sampling on a quarterly basis. To include two (2) new well boxes set finsh with the surface of the landscaping. The term of Agreement has been revised to end on May 1, 2010. Please maintain this copy for your files. A copy of this document is also being forwarded to Real Property Administration for tracking in Tobin and for future reference.

Please do not hesitate to call should you have any questions regarding this agreement.

Assistant

Principal Technical Services - Approved Service Provider for ConocoPhillips Company

lah

Enclosures;

1) Copy -- Amendment to License Agreement

2) Copy - Project Request Form

# AMENDMENT TO LICENSE AGREEMENT

This Amendment to License Agreement ("Amendment") is entered into and becomes effective on April 10, 2009 by and between JOHN A. and NANCY D. HELTON TRUST, CRAIG H. and KATHRYN KUTZ RAGG TRUST AND DENNIS and MARIE CORTI TRUST, ("Licensor"), and CONOCOPHILLIPS COMPANY ("Licensee"). Licensor and Licensee shall sometimes hereinafter be referred to as the "Parties".

# RECITALS

WHEREAS, the Parties previously entered into a License Agreement dated February 1, 2009, granting Licensee access to the property of Licensor for certain environmental assessment and/or corrective action purposes, specifically, 1) to properly locate, close and abandon one (1) groundwater monitoring well; and 2) Install one (1) replacement groundwater monitoring well and conduct certain monitoring well sampling activities on a quarterly basis (the "Agreement"); and

WHEREAS, the Agreement reflects the real property of Licensor located at 18937 Lake Chabot Road, Castro Valley, California and further identified by the Alameda County Assessor as Parcel Number 084B-0502-048-01 (the "Property"); and

WHEREAS, Licensee, in cooperation with the Alameda County Health Agency (ACHA), now desires to enter the Property to conduct additional environmental investigation and/or remediation activities, more fully described as follows:

- 1) Reinstallation of two (2) groundwater monitoring wells, labeled as "MW-4A" and "MW-4B" on Exhibit "B", attached hereto and made a part hereof, including new well boxes set flush with the surface of the landscaping (the "Additional Work"); and
- 2) Quarterly access to the both groundwater monitoring wells for monitoring well sampling activities and maintenance.

WHEREAS, the Agreement by its terms expires on February 1, 2014, unless extended by agreement of the Parties; and

WHEREAS, the Parties mutually desire to revise the term of the Agreement as set forth below.

NOW THEREFORE, in consideration of the granting of the foregoing, the mutual premises, covenants, conditions and agreements hereinafter set forth, and other good and valuable consideration, the receipt and adequacy of which are acknowledged, the Parties agree as follows:

- 1. The above recitals are bereby incorporated by reference.
- The Agreement is amended to include the Additional Work.
- 3. The term of the Agreement is revised to end on May 1, 2010.

- 4. Upon expiration of the Agreement, Licensee shall provide Licensor with documentation demonstrating Licensee's closure of the installations authorized by the Agreement and Licensee's compliance with all other requirements of paragraph "2" of the Agreement. Upon request by Licensor, Licensee shall promptly provide copies of all permits and approvals necessary for Licensee's conduct of all its actions under the Agreement.
- 5. Paragraph "8" of said License Agreement concerning notice is hereby amended as follows:

To Licensor:

John A. & Nancy D. Helton Trust
Craig H. & Kathryn Kutz Ragg Trust
Denuis & Marie Corti Trust
20980 Redwood Road, Unit #210
Castro Valley, CA 94546-5930

Phone: (510) 889-7709
Facsimile: ( ) \_\_-

To Licensee:

ConocoPhillips Company 1232 Park Street, Suite #300 Paso Robles, CA 93446

Attention: Colleen S. Hagemann

Phone: (805) 226-2649 Facsimile: (805) 239-4410

With Copies to:

ConocoPhillips Company

76 Broadway

Sacramento, CA 95818 Attention: Terry Grayson Phone: (916) 558-7666 Facsimile: (916) 558-7639

The person and the place to which notices are to be mailed may be changed by either party by providing written notice of same to the other.

/// /// /// 6. All other terms, conditions and provisions of the Agreement shall continue in full force and effect.

THE PARTIES have executed this A d

representative(s).	to License Agreement by their duly authorized
LICENSOR JOHN A. AND NANCY D. HELTON TRUST	LICENSEE CONOCOPHILLIPS COMPANY
By: Total Kelancy A Hetga) Name: Children Survey Title: Duner Date: 5/4/09	By: Simple Name: Fague & Nienoes Title: Pousoe Date: 11 May 2009
LICENSOR CRAIG H. AND KATHRYN KUTZ RAGG TRI	UST
By: Caig H. Rags - Kothmysh. Kare Title: annu Date: 5/6/09	Mags
LICENSOR DENNIS AND MARIE CORTI TRUST	
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-	Castro Valley	State, Zip	CA 95818	G/L Account No.	711000,Lic/Remnis/Re	
State and ZIp	CA 94546	Office Phone	916.558.7668	The Property of Comments of the Comments of th	eguliackozasako (julia)	
Ownership Status	Ormer COP	Fax Number	916.558.7666	Purchase Order #	3.10.000	
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Street Address	11050 White Rock Rd	Agency Location	Alameda	Street Address	004B-0502-048-01	
City	Rancho Cordova	Agency Phone	510-639-1287	City	18937 Lake Chabet Rea	
Stato and Zip	CA 95670	Agency Contact	Barbara Jakub	State and Zip	Castro Valley	
roject Manager	Dennis Deltiolf	Agency Email	· · · · · · · · · · · · · · · · · · ·	County	CA 94546	
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# Attachment B – Historical Boring Logs

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