CONWAY FEED
FS: 5135
LUST ID: 8029
Conway – Skagit County

NORTHWEST HYDROGEO CONSULTANTS

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COPY

HYDROGEOLOGIC INVESTIGATION REPORT

CONWAY FEED SITE

18700 MAIN STREET • CONWAY, WA 98238

UST # 10865 • LUST # 2746

FSID: 5135

Prepared For

SCOTT McKNIGHT, GENERAL MANAGER
CONWAY FEED
18700 MAIN STREET • CONWAY, WA 98238

PN 2K817
OCTOBER 20, 2008

TABLE OF CONTENTS

HYDROGEOLOGIC INVESTIGATION REPORT FOR THE CONWAY FEED SITE LOCATED AT 18700 MAIN STREET CONWAY, WASHINGTON 98238

INTRODUCTION

Background

This hydrogeologic report is being prepared at the request of Mr. Scott McKnight, General Manager of Conway Feed, in Conway, Washington. **Northwest HydroGeo Consultants (NWHGC)** was requested to investigate the decommissioning of two underground storage tank (USTs) at the site. What is currently known at the subject site is the following based on the sources referenced:

❶ The first is a report from Materials Testing and Consulting, Inc. (MTC) on the decommissioning of two USTs at the subject site in 1991 and 1992.

❷ The second is a letter by Ms. Carrie McDougal, Toxics Cleanup Program, Washington Department of Ecology (WDOE) dated April 30, 2003 in which she summarizes the work to date.

❸ **NWHGC** has been in contact with Ms. Gayle Garbush, Underground Storage Tank Database Coordinator with the WDOE for information that is currently on file with the WDOE. She has provided us with reports and letters on file with the WDOE which will be presented in this report.

The following information has been abstracted and summarized from these sources:

- Two USTs were decommissioned from the site on December 11, 1991 and January 6, 1992. The USTs in question were one 2,000 gallon UST used for the storage of diesel and the other, a 1,000 gallon UST, used for the storage of gasoline. It was noted in the MTC report that corrosion and holes were observed in the bottom of both the diesel and gasoline USTs at the time of removal. Contamination was verified by the testing of soils from the pit excavation. Remediation consisted of removing approximately 15 cubic

yards of contaminated soils from the site. On May 26, 1994 and June 29, 1994 three soil samples were collected from the stockpiled soils. The results were no contamination was discovered in the samples analyzed ❶. A monitoring well that was installed on the west side of the pit (still in existence). All documentation is inclosed in the back of this report.

- The letter from Ms. Carrie McDougal, Toxics Cleanup Program, Washington Department of Ecology (WDOE, dated April 30, 2003 states that free product was noted in the tank excavation along with diesel and gasoline contaminated soils. The consultant recommended to continue to monitor the well. To date, Ecology has not received updated groundwater reports ❷. **NWHGC** under its scope of work will collect a ground water sample from the existing monitoring well and have it analyzed for NWTPH-HCID, BTEX and lead.

- At a request of **NWHGC** Ms. Gayle Garbush, Underground Storage Tank Database Coordinator with the WDOE, supplied **NWHGC** with all documents in the WDOE file ❸. From this information we were able to trace the work at the site and ascertain what work was still required at the site. A study of all of the information provided the basis for the Scope of Work for this project.

Site Location and Description

The subject site is located in the southwest corner of Skagit County on the eastern edge of the of the Skagit River delta. The delta lies between the South Fork of the Skagit river on the eastern side of the delta while the western edge of the delta is formed by the North Fork of the Skagit River. The South Fork of the Skagit River lies approximately 2,000 feet west of the subject site (see Figure No. 1). The elevation of the subject site is only about ten feet above sealevel and the ground water under the site is quite shallow at about four feet deep. The monitoring well which is located under a concrete slab directly west of the former USTs has a G.P.S. reading of:

48° 20.434' North Latitude
122° 20.491' West Longitude

The subject site is approximately three miles north of the Snohomish County border. The area around the community of Conway is decidedly rural in nature. The subject site is located in the Northeast Quarter of the Northeast Quarter of Township 33 North, Range 04 East, W.M. The surface of the site generally level, with no apparent slope.

PURPOSE AND SCOPE OF WORK

Purpose

The purpose of this hydrogeologic report is to determine if there is any remaining contamination under the site in the ground water from the two USTs which were decommissioned 16 years ago. Fifteen cubic yards of contaminated soils were excavated from the site and remediated offsite by aeration. Testing of the stockpiled soils two years later showed the soils had been remediated to acceptable standards. Test results by MTC laboratory appear at the back of this report.

Mr. Scott McKnight, General Manager of Conway Feed, retained **NWHGC** to assess the information and proceed with an investigation leading to an application for a letter of **No Further Action** which will be issued by the WDOE. This final report which will be submitted to the WDOE will present our findings of ground water testing, along with collected information including the MTC report which describes the UST decommissioning in 1992.

Scope of Work

The scope of work will consist of the following:

1) Review the documents from Mr. McKnight and those suppled by the WDOE.

2) Collect a ground water sample from the existing well at the Conway Feed site. Purge the well and note physical characteristics of the ground water. Collect the ground water in sample bottles supplied by **EDGE Analytical** of Burlington, Washington.

3) Based on the laboratory analysis, prepare a report presenting the most recent ground water analysis and the previous information.

4) Prepare the WDOE forms required for the site to be entered into the Voluntary Cleanup Program. These forms will be submitted to the WDOE along with this report asking for a determination that the site is clean to acceptable standards and that a request for **No Further Action** be sent to the client by the WDOE.

SUPPORTING INFORMATION

Geology and Hydrogeology

Geologic: Western Skagit County lies within the Puget Sound lowland, a topographic and structural depression between the Cascade range of mountains to the east and the Olympic Mountains on the west. Pleistocene-era glacial and non-glacial deposits cover most of the lowlands. The subject area is covered with floodplain sediments from the meandering North Fork of the Skagit River, located only 2,000 feet west of the subject site.

Hydrogeologic: The underlying aquifer in this area of Conway is the water table aquifer and is quite shallow, approximately four feet deep. We believe this aquifer is in direct hydraulic continuity with the North Fork of the Skagit River.

Recharge to this upper aquifer is accomplished mainly by direct infiltration. Precipitation moves downward from the surface under the influence of gravity where it intercepts the water table aquifer. From there the ground water moves within the formation under the influence of gravity toward the Skagit River in primarily a westerly direction, where it probably discharges.

Hydrologic: The subject site and the area for a mile surrounding the site lies within the 100-year flood zone of the Skagit River. There are also considerable wetland areas west of the subject site. The approximate elevation of the subject site is only about 10 feet above sea level.

Local Soils: The local soils are described in the Soil Survey of Skagit County Area, Washington, presented in the U.S. Department of Agriculture Soil Conservation Service publication dated 1989. The subject site soils are classified as ***Sumas silt loam*** and is described as:

This very deep, poorly drained soil is on flood plains and deltas. Drainage has been altered by tilling. This soils is partially protected from flooding. It formed in alluvium. Slope is 0 to 2 percent. Permeability of this soil is moderate in the upper part and rapid in the lower part. Available water capacity is moderately high.

Topographic: The subject site and surrounding area is essentially flat lying, having been modified over the last 10,000 years by the meandering Skagit River which has moved back and forth over the local area many times. The Skagit River during periods of flooding does pose a potential risk to the site, especially during the spring runoff season.

Discussion of Well Logs in the Local Area

NWHGC consulted the WDOE for copies of all well logs in the local area. The wells are located in the following sections, and copies of he well logs are included in the Appendix of this report:

1) NE 1/4 Section 19, T33N, R 04E. W.M.
2) NW 1/4 Section 20, T33N, R 04E. W.M.
3) SE 1/4 Section 18, T33N, R 04E. W.M.
4) SE 1/4 Section 17, T33N, R 04E. W.M.

Wells in the NE 1/4 Section 19, T33N, R 04E. W.M.

The subject site is located in the NE 1/4 of Section 19, T33N, R 04E. W.M. This area contains only one deep well drilled for Trans Mountain Pipeline Company in 1991. The balance of the wells drilled in this portion of the section were four shallow resource protection wells.

Wells in the NW 1/4 Section 20, T33N, R 04E. W.M.

In this quarter section which lies directly east there are four water wells and three shallow resource protection wells. The water wells are shown in Table No. 1 which follows.

Table No. 1 Well Logs for NW 1/4 Section 20, Township 33 N, Range 04 E. W.M. (Upgradient Wells)

Log No.	Well Owner/ Date Drilled	Well Diameter / Total Depth	Screens slot size / Interval	Static Water Depth	Well Yield (gpm)	Aquifer Type and Comments
1	A. Kwant Dec 2003	6"/122'	4/102-122'	70'	5 gpm	C.I.S.
2	H. Vanwingerden Sept 1991	36"/13'	None	8'	40 gpm	U.C.S.
3	L. Locken June 1987	6"/110'	20/102-110'	10'	2.5 gpm	C.I.S.
4	N. Coker March 1998	6"/143'	30/138-143'	128'	10 gpm	U.C.S.

C.I.S. = Confined in Sediment
U.C.S. = Unconfined in Sediment

Wells in the SE 1/4 Section 18, T33N, R 04E. W.M.

There were nine wells drilled in the SE 1/4 Section 18 and all of these were shallow resource protection wells.

Wells in the SW 1/4 Section 17, T33N, R 04E. W.M.

There were no wells on file with the WDOE for the SE 1/4 Section 17.

Discussion of the Aquifers Found in the Local Area

It is clear from examination of the well logs found in the local area of the subject site that there are two types and two separate and distinct aquifers. There is the upper aquifer, which is the shallow water table aquifer. This aquifer is unconfined and at atmospheric pressure. This is the same aquifer seen under the subject site and in which the monitoring well has been completed. The ground water in this aquifer is slowly moving in a southwesterly direction. Recharge to this aquifer is local.

The second type of aquifer in the local area is a deep confined aquifer. The three wells which were completed in this aquifer average 125 feet in depth. Static water level in these three wells averages about 69 feet, meaning the aquifer is under high pressure and is confined. Recharge to this aquifer is to the east and at higher elevations. Copies of all well logs are found in the Appendix of this report.

GROUND WATER TESTING RESULTS

Background

As discussed earlier in this report, a shallow monitoring well was constructed west (downgradient) of the two decommissioned fuel tanks at the subject site. At the same time the two tanks were removed, approximately 15 cubic yards of contaminated soils were excavated and remediated off site. A monitoring well was constructed under the roof overhang between the building and the two former USTs which contained gasoline in a 1,000 gallon UST and the other which contained diesel in a 2,000 gallon UST.

Testing Procedures

The following procedures were followed in testing the ground water using the onsite monitoring well which was installed in 1992, but it is unknown by whom. It can be seen that the well was constructed professionally. After uncapping the top of the monitoring well and removing some surface debris the following tasks were performed:

1) Using an electrical depth gage calibrated in 1/100 of a foot a depth reading was taken from the top of casing to the top of the ground water which measured 4.16 feet deep.

2) A small electrical pump was then lowered to the bottom of the ten-foot deep well. Approximately 6 feet of ground water was in the well at the time of our water sample collection. The well was purged to allow fresh ground water to enter into the well casing. Pumping had to cease after 2.5 gallons were

pumped when the monitoring well was pumped all the way down to the bottom of the 10-foot-long casing. For the first two quarts the water was black but then turned clear. The water level in the well was allowed to fully recover, after which 3.5 gallons more were pumped out and the ground water remained clear with no odor detected.

3) After purging the well, water samples were collected using a Geotech® Peristaltic Pump. The ground water was discharged directly into sample jars, then sealed, labeled with the time, location and requested analysis. The sample jars were supplied by **EDGE Analytical Laboratories** of Burlington, Washington.

4) After collection the samples were packed in an iced shipping container and delivered in person to **EDGE Analytical Laboratories.**

Table No. 2 Findings and Results of Laboratory Water Testing For NWTPH-HCID

Field Sample	Laboratory Test Results of Water Samples NWTPH-HCID		
	Gx Range	Diesel	Heavy Oil
Ground Water Cleanup Standards	0.8 mg/L	0.50 mg/L	0.50 mg/L
Water Sample Results	ND	ND	ND

ND = Not Detected

Table No. 3 Findings and Results of Laboratory Water Testing For BTEX and Lead

Field Sample	Laboratory Test Results of Water Samples BTEX and Lead				
	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Lead mg/L
Ground Water Cleanup Standards	0.005 mg/L	1.00 mg/L	0.50 mg/L	1.00 mg/L	0.015 mg/L
Water Sample Results	0.0003 mg/L	ND	ND	ND	0.003 mg/L

DISCUSSION OF RESULTS

NWTPH-HCID

This method tests the ground water for the three major contaminants in ground water, mainly gasoline, diesel and heavy hydrocarbons. Analysis was reported as **Not Detected** for all three compounds.

Testing For BTEX and Lead

This method tests the ground water for the four major compounds that comprise gasoline, mainly Benzene, Toluene, Ethylbenzene and Total xylenes. Only Benzene was detected, and that at a very low concentration of 0.0003 mg/L.

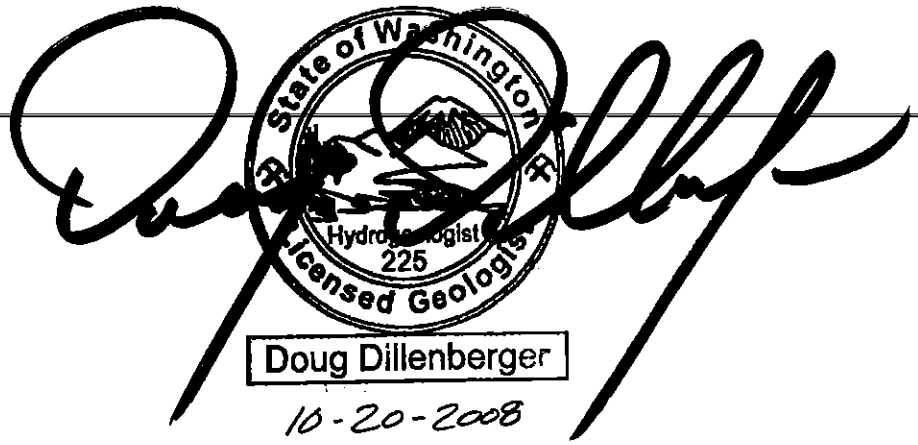
In addition the ground water was also tested for lead, a common gasoline additive at the time when this underground storage tank was in use. Lead was detected at the low level of 0.003 mg/L. The cleanup level for Lead in ground water is 0.015 mg/L.

CONCLUSIONS

We conclude, based on analysis of the water samples collected from the existing ground water monitoring well at the subject site, that there is no longer a contamination problem at the site from either gasoline or diesel. The two tanks, a 1,000 gallon gasoline UST and a 2,000 gallon diesel UST were both decommissioned by removal in 1992, along with soils as noted.

Please call if you have any questions.

Sincerely,



Doug Dillenberger, L.G., L.HG. ▼ Principal
Washington Licensed Geologist / Hydrogeologist
Northwest HydroGeo Consultants

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INDEMNIFICATION AND LIMITATIONS

This project was conducted and this report prepared in accordance with generally accepted professional practices for the nature and conditions of the work completed in this area at the time the work was performed. This report and its conclusions and recommendations are intended for the exclusive use of the client for specific application to the referenced project site.

This report is not meant to represent a legal opinion. Interpretation of data, conclusions, and recommendations based thereon are built on the information collected at the time this investigation was conducted and should not be interpreted as long-term hydrogeological conditions or trends. No other warranty, express or implied, is given.

Our services are provided in accordance with the terms presented in our General Conditions. Subsurface exploration of the soils on the site was not within the scope of this investigation. As a condition of our services, it is understood that, to the fullest extent permitted by law, our Clients agree to defend, indemnify and hold harmless Northwest HydroGeo Consultants, its owners, employees, subcontractors and agents, from any past, present, or future pollution-related claims or damages at the site, including potential claims from third parties that may name Northwest HydroGeo Consultants as a claimant.

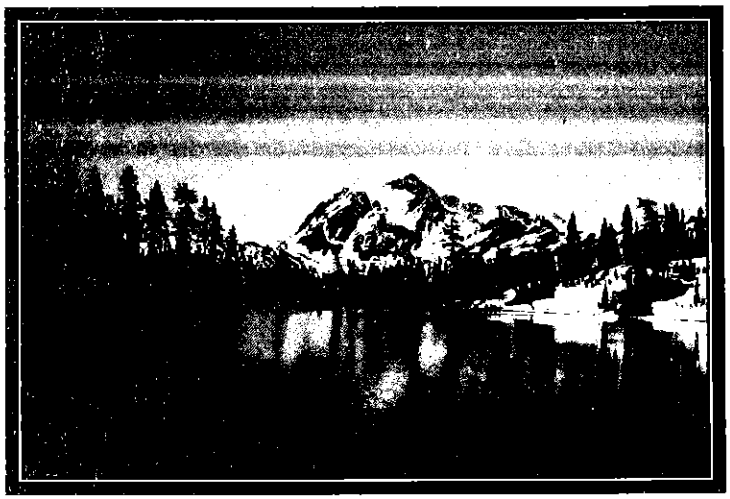
REFERENCES

Driscoll, F. G., 1986, "Ground Water and Wells, Second Edition." Published by Johnson Division, St. Paul, Minnesota, 1089 pp.

Huntting, M. T., 1961, "Geologic Map of Washington," Published by the Department of Division of Mines and Geology and the U.S. Geological Survey, 2 maps.

US Department of Agriculture, 1989, "Soil Survey of Skagit County, Washington," Published by the U.S. Department of Agriculture, Soil Conservation Service, 372 pp.

Washington State Department of Health, 1989, "Drinking Water Regulations," published by the Washington State Board of Health, p. 65.



NORTHWEST HYDROGEO CONSULTANTS

LICENSING, CERTIFICATIONS and QUALIFICATIONS

CONSULTING ENVIRONMENTAL PROFESSIONALS
GEOLOGY, GROUND WATER, and ENVIRONMENTAL SITE ASSESSMENTS

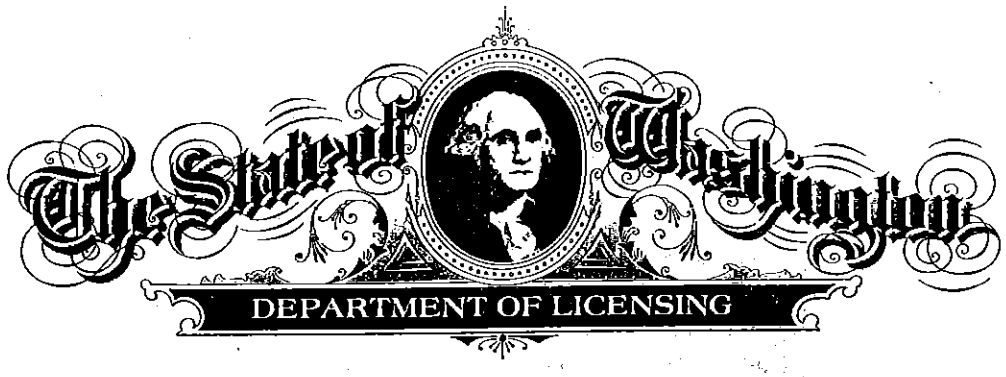
Northwest HydroGeo Consultants is fully licensed, certified, insured, qualified and experienced to provide professional consulting services for your projects throughout this five-county Western Washington area.

In our 14 years of independent professional consulting we have provided **Environmental Site Assessments, Phases I, II** and **III** for a variety of real estate, development, financial institutions and individuals throughout this area. We are insured, fully qualified and experienced in conducting **Environmental Site Assessments** under the new Due Diligence at Dawn requirements of the newly enacted **ASTM E-1527-05** and **EPA AAI** regulations. We have obtained **NO FURTHER ACTION** letters on behalf of our clients from the Washington Department of Ecology for successfully remediated sites.

We have provided geological and ground water investigations and evaluations for business, industry, government and private individuals: critical areas ordinance geological and hydrogeological reports; regional and local ground water characterization and evaluation; aquifer testing; wellhead productivity and water quality assessments; wellhead protection studies and plans; nitrate loading calculations; slope stability assessments; and other environmental studies as required by governmental, financial and real estate agencies.

Overall we have accomplished some 400 Environmental Site Assessments, have provided aquifer testing for nearly 100 Group A and Group B water systems, and have conducted over 30 wellhead protection studies.

Currently we are conducting ongoing quarterly ground water quality monitoring for a gravel mining operation in northern Whatcom County, a housing development in Skagit County, and a formerly petroleum-contaminated site in King County.



It is hereby certified that Douglas Scott Dillenberger

has satisfactorily complied with and completed the statutory requirements set forth in title 18 revised code of Washington to engage in practice as a

Geologist

And is hereby authorized, empowered and granted the right to engage in that practice within the State of Washington subject to the state laws.

And is licensed as a qualified

Hydrogeologist

Given under the hand and seal of the director this 16th day of November, 2001.

Fred Stephens
DIRECTOR

Geologist Licensing Board

Jeffrey H. Randall
CHAIR

No. 225

STATE OF WASHINGTON LICENSE

DOUGLAS S. DILLENBERGER

GEOLOGIST and HYDROGEOLOGIST

LICENSE No. 225 NOVEMBER 2001

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STATEMENT OF QUALIFICATIONS AND RÉSUMÉ

DOUGLAS S. DILLENBERGER, M.S., L.G., L.HG.

WASHINGTON LICENSED GEOLOGIST / HYDROGEOLOGIST No. 225

SUMMARY OF PROFESSIONAL EXPERIENCE

Our Principal, **Doug Dillenberger**, is a **Washington Licensed Geologist** and **Hydrogeologist** offering thirty years' experience in earth sciences, geology and hydrogeology. Mr. Dillenberger, licensed professionally in the states of **Washington, Oregon** and **Idaho**, holds the Master's Degree in Geology with postgraduate studies in Hydrogeology at the Colorado School of Mines in Golden, Colorado. He is a nationally **Registered Professional Geologist** and a **Washington State Certified UST Site Assessor**. For seventeen years he has worked professionally throughout this six-county western Washington area and is in his twelfth year as an independent professional consultant.

His comprehensive expertise focuses on environmental assessments; geological and hydrogeological investigations; critical areas ordinance reports; regional and local ground water characterization; environmental analysis and monitoring; contaminant characterization, evaluation and remediation; shoreline analysis; nitrate loading calculations; aquifer testing, characterization and evaluation; and wellhead protection studies.

Mr. Dillenberger is a **Certified Washington UST Site Assessor** qualified to supervise removal of **underground storage tanks** and to investigate, delineate, monitor, and remediate site contamination. He has successfully obtained **NFA – No Further Action** – letters from the State Department of Ecology for sites successfully remediated on behalf of clients. In addition, his professional experience includes coal exploration and development—planning and supervising coal exploration projects in the Bellingham area for a large national energy company.

SELECTED PROFESSIONAL ACCOMPLISHMENTS

Northwest HydroGeo Consultants is in its thirteenth year providing independent consulting services in geology, environmental and ground water projects for clients in the Pacific Northwest. Our qualifications and the full range of professional geological, hydrogeological and environmental services are presented in the **Statement of Qualifications** information packet.

- **Northwest HydroGeo Consultants** was founded in March 1995, serving Northwest Washington and offering specialized and full-service professional consulting services in aquifer testing and evaluation, geo-hazard and shoreline evaluations, project design and management, environmental site assessments, contaminant characterization and remediation, and, environmental monitoring.

  During this period he has accomplished some 400 Environmental Site Assessments, Phase I, II and III, and has received letters of **NFA** (No Further Action) from the State Department of Ecology under the requirements of the Voluntary Cleanup Program for successful cleanup of petroleum-contaminated sites.

  He has conducted aquifer testing for nearly 100 **Group A** and **Group B** systems and for individual wells. He has provided ground water studies and aquifer characterization for development and planning information per Hydrogeologic Investigation reports. He has prepared wellhead protection plans for over

30 **Group A** water systems of various sizes throughout the western Washington region. He is currently conducting quarterly ground water monitoring for a gravel mining operation near the Canadian border.

SUMMARY OF PROFESSIONAL HISTORY

1995-Present	Principal, **Northwest HydroGeo Consultants**
1992-1995	Manager of Professional Services: **Hayes Drilling, Inc.**; Bow, Washington
1990-1992	Hydrogeologist: **W.D. Purnell and Associates**; Bellingham, Washington
1988-1990	Senior Geologist: **CES, Ltd;**, Portland, Oregon
1987-1988	Senior Staff Geologist: **The Mark Group**; Las Vegas, Nevada
1985-1987	Consulting Geologist: Denver, Colorado
1978-1985	Exploration Geologist: **AMAX Coal Company**; Denver, Colorado
1977-1978	Staff Geologist, Development Drilling: **AMAX Coal Co.**; Indianapolis, Indiana
1976-1977	Development Geologist: **ADA Resources**; Barbourville, Kentucky

PROFESSIONAL REGISTRATION AND CERTIFICATION

Licensed Geologist and Hydrogeologist No. 225 **STATE OF WASHINGTON**
Registered Professional Geologist No. G1010 **State of Oregon**
Registered Professional Geologist No. 679 **State of Idaho**
Certified Professional Geologist No. 7363 **American Institute of Professional Geologists**
Certified UST Site Assessor ASI ID # 32-US-32007525 **IFCI / WA Dept. Of Ecology**
Annual Refresher Training: 8-Hour Hazardous Waste Operations and Emergency Response
OLTRAIN www.oltrain.com
Certified UST Site Assessor per Washington Department of Ecology regulations and training

PROFESSIONAL MEMBERSHIPS

American Association of Professional Geologists
Association of Ground Water Scientists and Engineers
National Association of Environmental Professionals
National Ground Water Association No. 120214
Washington State Ground Water Association

PROFESSIONAL GENERAL LIABILITY ASSURANCE

Please see Hudson Specialty Insurance Company policy declaration included in the S O Q information packet.

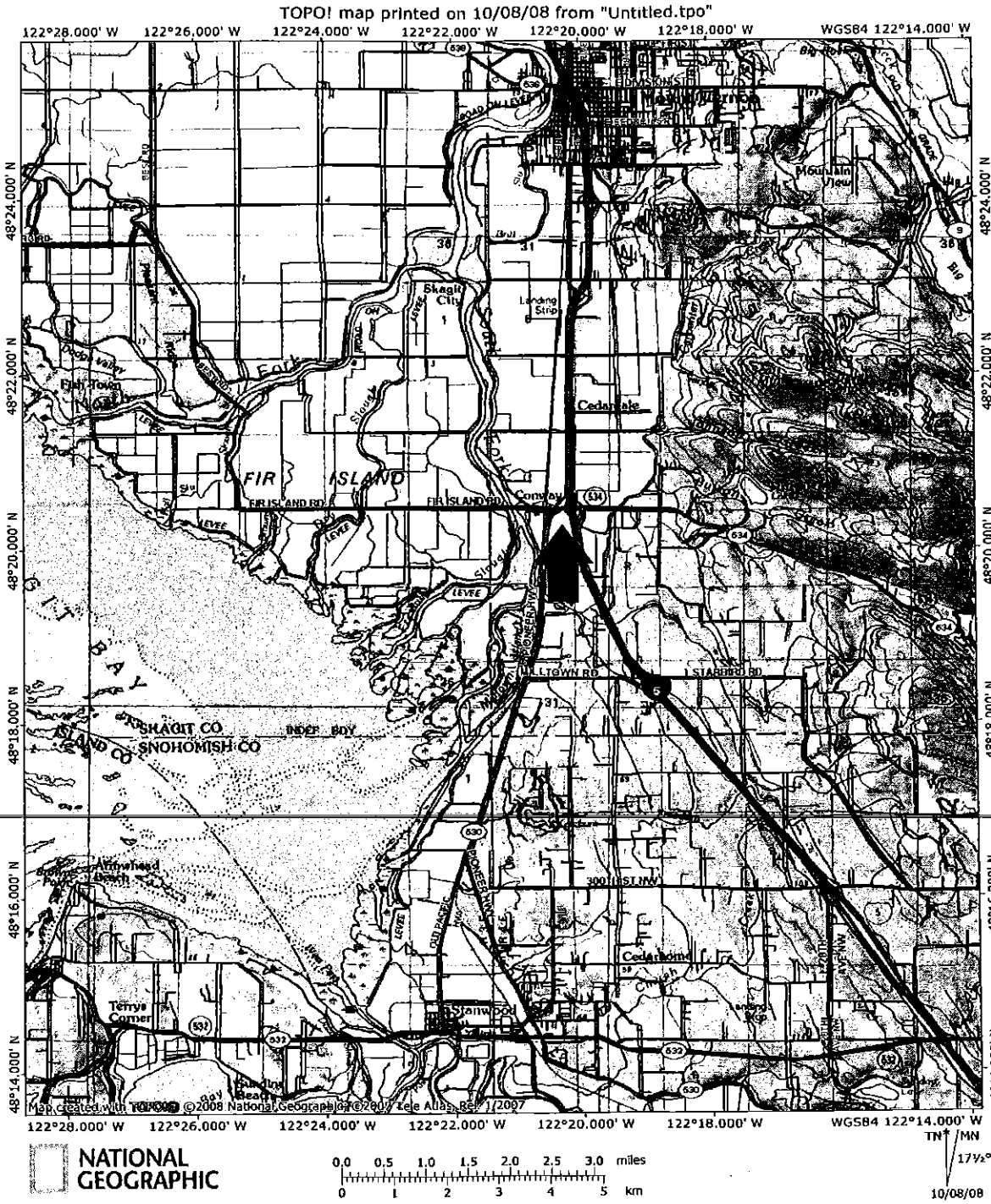
EDUCATION

Hydrogeology	Colorado School of Mines, Postgraduate Studies; Golden, Colorado	1987
M.S., Geology	Eastern Kentucky University; Richmond, Kentucky	1976
B.A., Geology	University of South Florida; Tampa, Florida	1972
A.A., General	Pensacola Community College; Pensacola, Florida	1970

MILITARY SERVICE

1964-1968 Top Secret Crypto security clearance with Army Security Agency, U.S. Army Forces, Europe. Held . Honorably discharged up fulfillment of enlistment.

Figures and Photographs



T 33 N R 04 E, W.M. Sec 19

ARROW DENOTES APPROXIMATE LOCATION OF PROJECT SITE

MAP REFERENCE

TOPO! SOFTWARE
by
NATIONAL GEOGRAPHIC
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SCALE: 1:24,000

REGIONAL SETTING with PROJECT LOCATION

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CONWAY FEED

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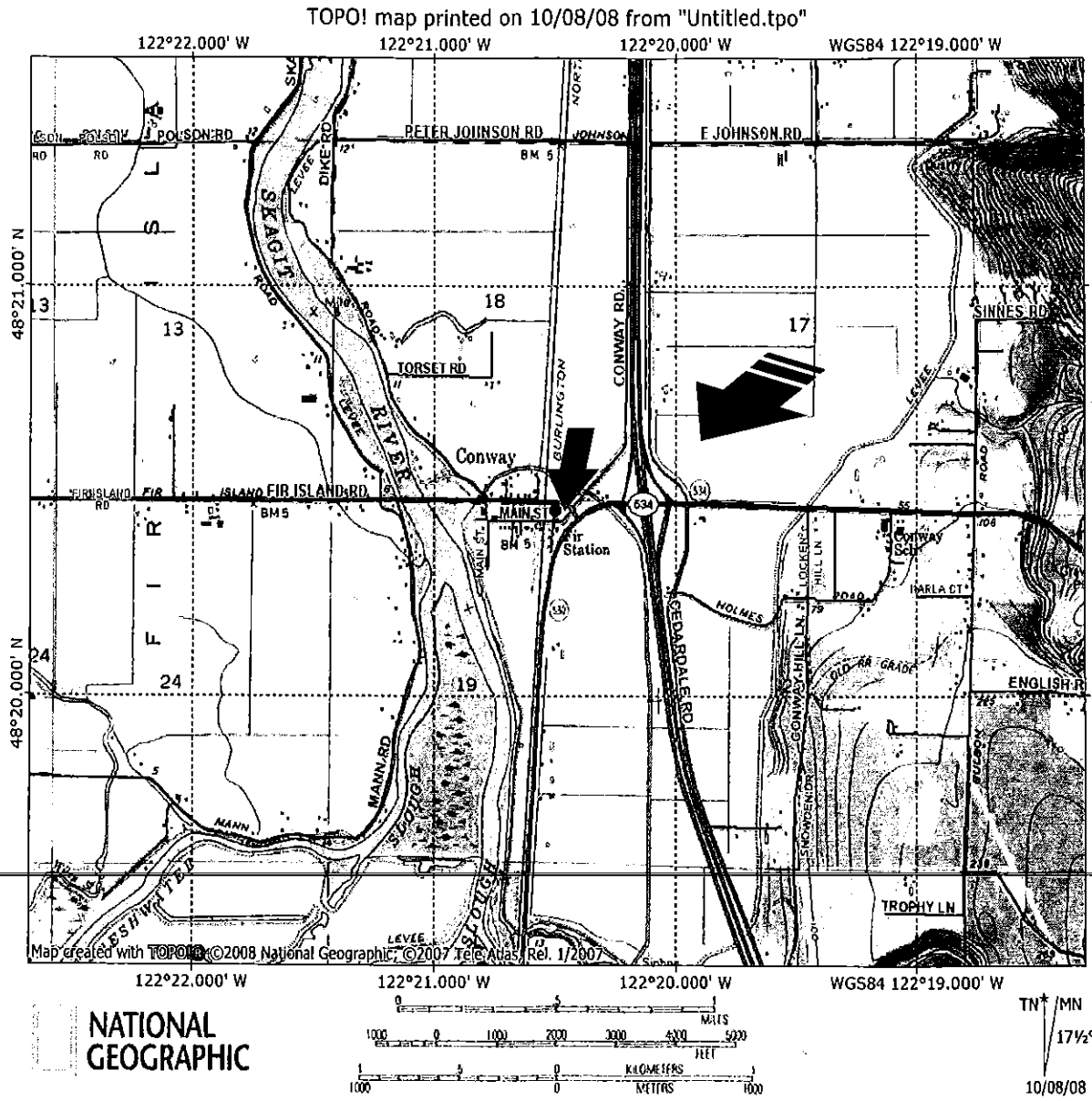
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K817 OCTOBER 2008

Figure 1



EXPLANATION
GENERAL INFERRED DIRECTION OF GROUND WATER MOVEMENT

T 33 N R 04 E, W.M. Sec 19

ARROW DENOTES APPROXIMATE LOCATION OF PROJECT SITE

MAP REFERENCE

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REGIONAL SETTING
with GENERAL INFERRED DIRECTION OF GROUND WATER MOVEMENT

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SKAGIT COUNTY

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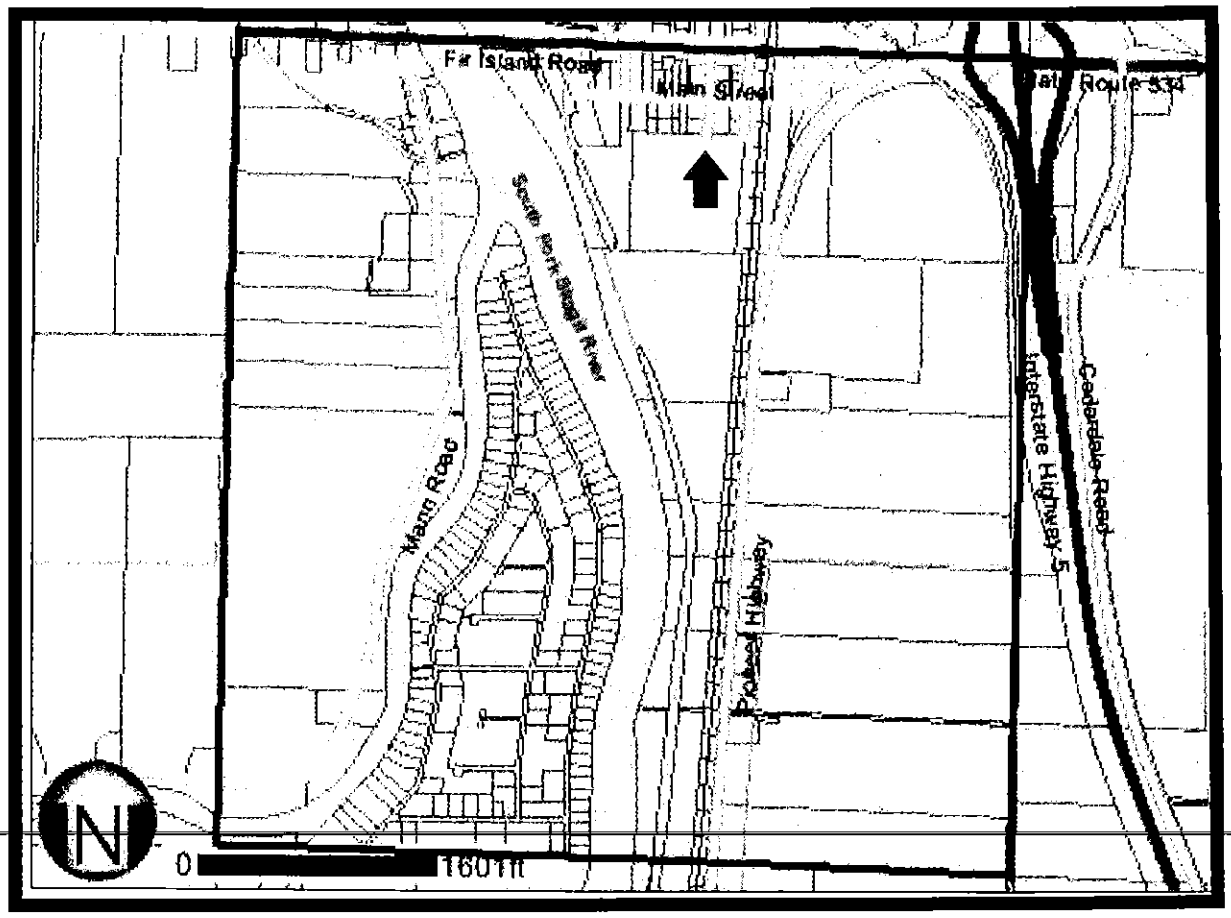
PN 2K817 OCTOBER 2008

Figure 2



T 33 N R 04 E, W.M. Sec 19

ARROW DENOTES APPROXIMATE LOCATION OF PROJECT SITE

MAP REFERENCE

SKAGIT COUNTY WASHINGTON iMap 6.0

PARCEL MAP

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CONWAY FEED

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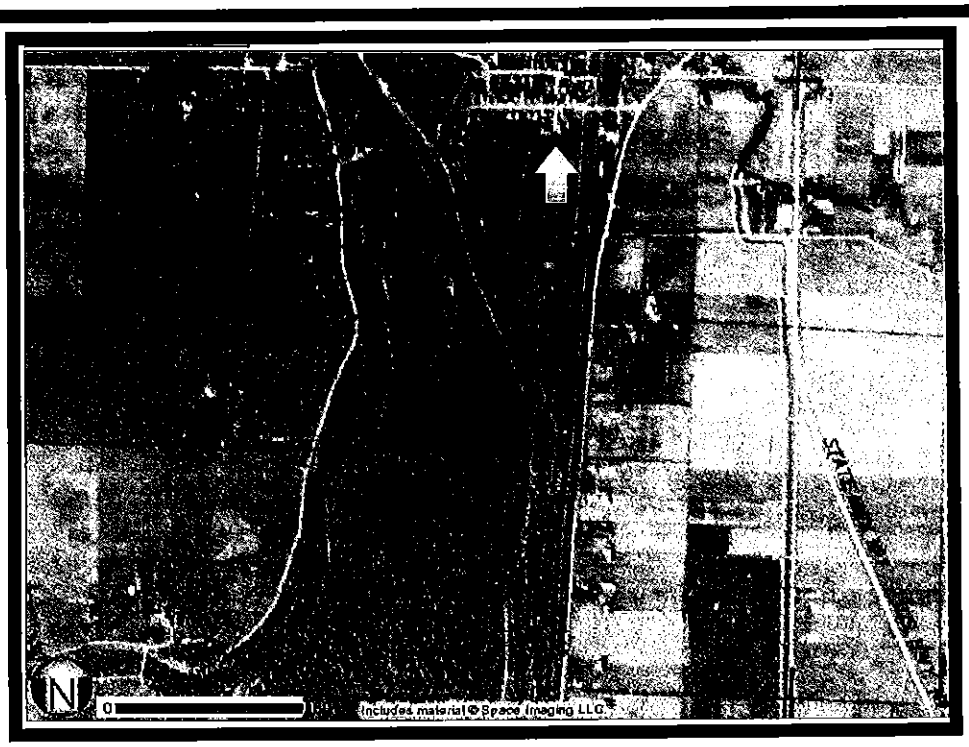
SKAGIT COUNTY

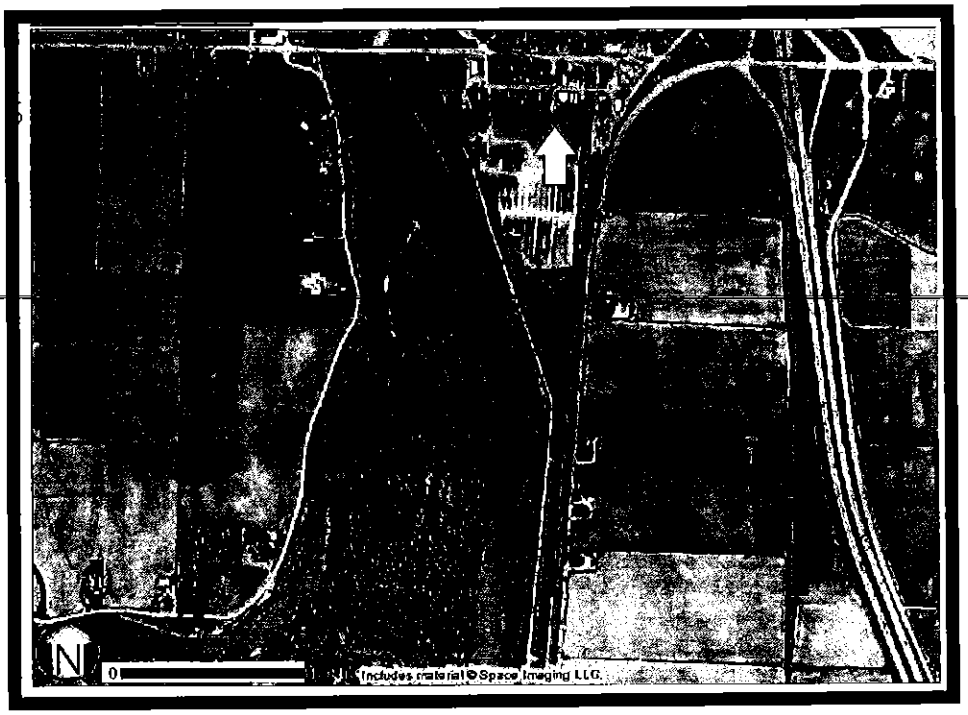
SCOTT McKNIGHT, GENERAL MANAGER

PN 2K817 OCTOBER 2008

Figure 3



1937
HISTORIC PHOTO



2007
RECENT PHOTO

T 33 N R 04 E, W.M. Sec 19

ARROWS DENOTE APPROXIMATE LOCATION OF PROJECT SITE

MAP REFERENCE

SKAGIT COUNTY WASHINGTON iMap 6.0

AERIAL PHOTOS HISTORIC and CURRENT

NORTHWEST HYDROGEO CONSULTANTS

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SKAGIT COUNTY

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Figure 4

T 33 N R 04 E, W.M. Sec 19

MAP REFERENCE

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SPOT SATELLITE IMAGE

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AERIAL VIEW with PROJECT LOCATION

NORTHWEST HYDROGEO CONSULTANTS

CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K817 OCTOBER 2008

Figure 5

SITE PHOTOS

CONWAY FEED

SCOTT McKNIGHT
GENERAL MANAGER
18700 MAIN STREET
CONWAY, WA 98238
SKAGIT COUNTY

PN ZK817 • ONSITE PHOTOS 09/26/08

1

VIEW LOOKING EAST AT THE INTERSECTION OF MAIN STREET AND JONES ROAD.

SUBJECT SITE IS AT RIGHT, OFF JONES ROAD.

2

VIEW LOOKING SOUTH AT LARGE WAREHOUSE OWNED BY CONWAY FEED.

DASHED OUTLINES DENOTE APPROXIMATE PRIOR LOCATIONS OF THE 1000-GALLON GASOLINE AND THE 2000-GALLON DIESEL U S T s, WHICH WERE DECOMMISSIONED IN 1992.

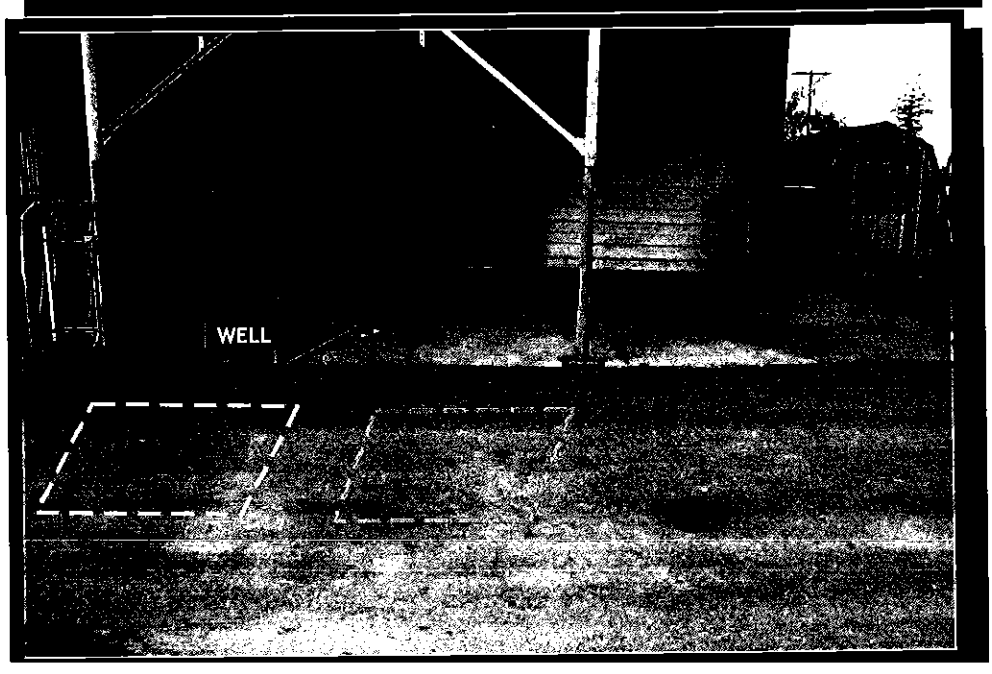
CONTAMINATED SOILS WERE ALSO EXCAVATED AT THAT TIME.

EXPLANATION

1000-GALLON GASOLINE U S T

2000-GALLON DIESEL U S T

LOCATIONS SHOULD BE CONSIDERED APPROXIMATE



3

VIEW LOOKING WEST AT COVERED PATIO AND APPROXIMATE PREVIOUS LOCATIONS OF GASOLINE AND DIESEL U S T s.

ARROW DENOTES MONITORING WELL WHICH WAS SAMPLED FOR THIS PROJECT.

DIGITAL IMAGES HAVE NOT BEEN ALTERED EXCEPT TO SHOW OUTLINES OF APPROXIMATE U S T LOCATIONS AND TO POINT OUT MONITORING WELL SITE

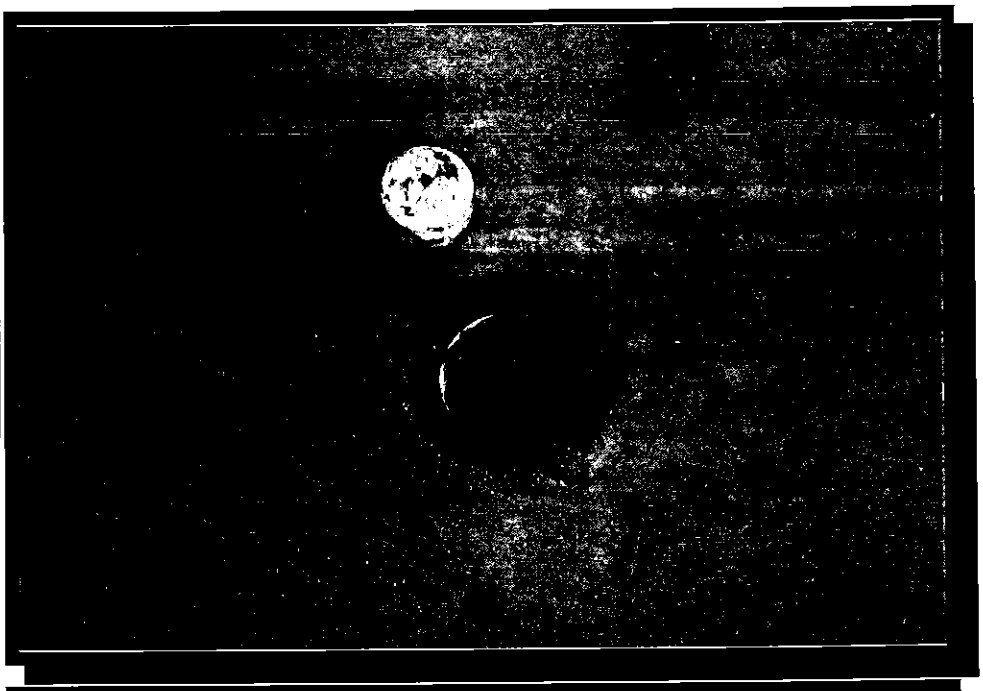
NORTHWEST HYDROGEO

SITE PHOTOS

CONWAY FEED

SCOTT McKNIGHT
GENERAL MANAGER
18700 MAIN STREET
CONWAY, WA 98238
SKAGIT COUNTY

PN 2K817 • ONSITE PHOTOS 09/26/08



4

CLOSE-UP VIEW OF THE 2-INCH P V C MONITORING WELL WITH PROTECTIVE COVER AND CAP REMOVED, SITTING ON THE CONCRETE SLAB BENEATH THE CANOPY OVERHANG.

5

IN PREPARATION FOR SAMPLING THE MONITORING WELL, THE WELL WAS PURGED OF 3.5 GALLONS OF WATER PRIOR TO SAMPLE COLLECTION.

NORTHWEST HYDROGEO

DIGITAL IMAGES HAVE NOT BEEN ALTERED EXCEPT TO SHOW OUTLINES OF APPROXIMATE U.S.T. LOCATIONS AND TO POINT OUT MONITORING WELL SITE

REPORT APPENDIX

1) EDGE ANALYTICAL LABORATORIES GROUND WATER TESTING REPORT

2) SITE ASSESSMENT REPORT FROM MATERIALS TESTING & CONSULTING, INC. (MTC) DATED FEBRUARY 1992

3) FOLLOWUP REPORT FROM MTC ON ANALYSIS OF STOCKPILED SOILS DATED SEPTEMBER 1994

4) CORRESPONDENCE FROM THE WDOE

5) WELL LOGS FROM FOUR SECTIONS

EDGE ANALYTICAL LABORATORIES
GROUND WATER TESTING REPORT

EDGE ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

October 15, 2008

Doug Dillenberger
NW HydroGeo Consultants
1944 Lake Whatcom Blvd B-113
Bellingham, WA 98229

RE: 08-13923 - Conway Feed

Dear Doug Dillenberger,

Your project: Conway Feed, was received on Friday September 26, 2008.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

Qualifier Definitions

Reference Number: 08-13923
Report Date: 10/14/08

Qualifier	Definition
M	Matrix induced bias assumed.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

ANALYTICAL LABORATORIES

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WSDOE Lab C1251

DATA REPORT

Client Name: NW HydroGeo Consultants
1944 Lake Whatcom Blvd B-113
Bellingham, WA 98229

Method: 8260B
Gasoline in Water w/BTEX

Matrix: Water

Reference Number: 08-13923
Report Date: 10/9/2008
Project: Conway Feed

Analyst: HY
Collect Date: 9/26/2008
Peer Review:

Lab Number: 29255 Sample Description: 1 - MW-1 Sample Date: 9/26/2008

COMPOUNDS	RESULT	Flag	DF	Cleanup Level	PQL	MDL	UNITS	DATE ANALYZED	Batch	COMMENT
BENZENE	**0.0003**		1	0.005	0.0004	0.00021	mg/L	10/6/2008	GXW_081006	No Field Dup Available
TOLUENE	**ND**		1	1.00	0.0004	0.00018	mg/L			
ETHYLBENZENE	**ND**		1	0.70	0.0004	0.00015	mg/L			
TOTAL XYLENES	**ND**		1	1.00	0.0008	0.0005	mg/L			
GASOLINE (C8 - C12)	**ND**		1	1	0.10	0.1	mg/L			

Notation:

ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
DF - Dilution Factor.

*** The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.**

FORM: HCID

EDGE ANALYTICAL LABORATORIES

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Bellingham WA (Microbiology) | 805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

WSDOE Lab C1251

DATA REPORT

Client Name: NW HydroGeo Consultants
1944 Lake Whatcom Blvd B-113
Bellingham, WA 98229

Method: NWTPH-HCID
Hydrocarbon ID in Water

Matrix: Water

Reference Number: 08-13923
Report Date: 10/14/2008
Project: Conway Feed

Analyst: GEB
Collect Date: 9/26/2008
Peer Review:

Lab Number: 29255 Sample Description: 1 - MW-1 Sample Date: 9/26/2008

COMPOUNDS	RESULT	Flag	DF	Cleanup Level	PQL	MDL	UNITS	DATE ANALYZED	Batch	COMMENT
GASOLINE (C8 - C12)	**ND**		1	1.0	0.25	0.1	mg/L	10/6/2008	HCIDW_081003	
DIESEL (C12 - C24)	**ND**		1	0.5	0.2	0.1	mg/L			
HEAVY HYDROCARBONS (>C24)	**ND**		1	0.5	0.2	0.1	mg/L			

Notation:

ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
PQL = Practical Quantitation Limit is the fowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
DF - Dilution Factor.

*** The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.**

FORM: HCID

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Bellingham WA (Microbiology) | 805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

Data Report

Client Name: NW HydroGeo Consultants
1944 Lake Whatcom Blvd B-113
Bellingham, WA 98229

Report Date: 10/14/2008
Reference Number: 08-13923
Project: Conway Feed

Collected By: Doug Dillenberger

Date Received: 9/26/2008
Peer Revlew:

Lab Number: 29255 Sample Description: 1 - MW-1 Sample Date: 9/26/2008

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
7439-92-1	LEAD	0.003	0.001	9.71E-06	mg/L	1.0	200.8/3010A	10/13/2008	MVP	200.8_081013WW	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

FORM: RESULT

EDGE ANALYTICAL LABORATORIES

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-13923
Report Date: 10/14/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_081013WW	LEAD	0.040	0.040	mg/L	200.8	100	85-115		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-13923
Report Date: 10/14/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
GXW_081006						
29255	4-BROMOFLUOROBENZENE (Surr)	93		%	8260B	Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	104		%		Acceptance Range: 50-150%
HCIDW_081003						
29255	O-TERPHENYL (Surr)	101		%	NWTPH-HCID	Acceptance Limits: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

EDGE ANALYTICAL LABORATORIES

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-13923
Report Date: 10/14/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_081013WW	LEAD	ND		mg/L	200.8		0.00030		MB	
GXW_081006	BENZENE	ND		mg/L	8260B		0.00013		MB	TB 08-14172
	d8-TOLUENE (Surr)	101		%	8260B					TB 08-14172
	ETHYLBENZENE	ND		mg/L	8260B		0.00013			TB 08-14172
	GASOLINE (C8 - C12)	ND		mg/L	8260B		0.06000			TB 08-14172
	TOLUENE	ND		mg/L	8260B		0.00013			TB 08-14172
	TOTAL XYLENES	ND		mg/L	8260B		0.00013			TB 08-14172
HCIDW_081003	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-HCID		0.15000		MB	
	GASOLINE (C8 - C12)	ND		mg/Kg	NWTPH-HCID		0.06000			
	HEAVY HYDROCARBONS (>C24)	ND		mg/Kg	NWTPH-HCID		0.15000			
	O-TERPHENYL (Surr)	93		%	NWTPH-HCID					

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-13923
Report Date: 10/14/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_081013WW	LEAD	ND		mg/L	200.8		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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Microbiology | 360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 08-13923
Report Date: 10/14/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
GXW_081006	BENZENE	0.42	0.4	ug/L	8260B	105	50-150		LFBD	
	d8-TOLUENE (Surr)	101		%	8260B					
	ETHYLBENZENE	0.38	0.4	ug/L	8260B	95	50-150			
	GASOLINE (C8 - C12)	0.112	0.1	ug/L	8260B	112	50-150			
	TOLUENE	0.36	0.4	ug/L	8260B	90	50-150			
	TOTAL XYLENES	0.94	1.2	ug/L	8260B	78	50-150			

*Notation.

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-13923
Report Date: 10/14/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_081013WW	LEAD	0.038	0.040	mg/L	200.8	95	85-115		LFB	
GXW_081006	BENZENE	0.0039	0.004	mg/L	8260B	98	80-120		LFB	
	d8-TOLUENE (Surr)	104		%	8260B					
	ETHYLBENZENE	0.0037	0.004	mg/L	8260B	93	80-120			
	GASOLINE (C8 - C12)	0.447	0.5	mg/L	8260B	89	80-120			
	TOLUENE	0.0038	0.004	mg/L	8260B	95	80-120			
	TOTAL XYLENES	0.0111	0.012	mg/L	8260B	93	80-120			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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Bellingham WA : 805 Orchard Dr Suite 4 - 98225
Microbiology : 360.671.0688 - 360.671.1577fax

September 26, 2008

Sample Receipt

Doug Dillenberger NWY Hydroaded Con
18700 Main Street
Conway, WA 98238

FAX Number: 360-734-7689

Dear Scott,

We received the following samples for project **"Conway Feed"** on **September 26, 2008 12:00 am**. This project is expected to be completed by **October 10, 2008.** The temperature of the sample cooler was **13C**. If you have any questions concerning this project please refer to reference number **08-13923**.

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
29255	1/MW-1	9/26/08 11:30 a	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE ____ OF ____

(PLEASE COMPLETE ALL APPLICABLE SECTIONS)

REPORT TO: DOUG DILLENBERGER NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT, Gen Mgr
ADDRESS: 1411 LAKE WHATCOM BLVD - B-113	ADDRESS: CONWAY FEED ; 18709 Main St
CITY: BELLINGHAM STATE: WA ZIP: 98229	CITY: CONWAY STATE: WA ZIP: 98238
ATTN: DOUG	PHONE: 360. 445-5811 FAX:
PHONE: 360. 734-4955 FAX: 360. 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME:	CARD#

FOR LAB USE ONLY

REF#

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ▨ OTHER

ANALYTICAL LABORATORIES

Corporate
1620 S Walnut St
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.
4. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ■ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE)
- ☐ OTHER

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	MATRIX	DATE	TIME	BTEX	NWTPH-HCID	Pb					NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	(1)	MW-1		H2O	9/26/08	11:30	■	■	■	☐	☐	☐	☐	3	Only 1 BTEX bottle
2							☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐		

SAMPLED BY: DOUG DILLENBERGER | PHONE: 360. 734-4955 | FAX: 360. 734-7689 | EMAIL: joyce@datalinkwest.com | 3 ◄TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	9/26/08	12:34P		9/26/08	1234
DOUG DILLENBERGER					

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☐
SAMPLE TEMP 13 °C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☐	☐	
CHAIN OF CUSTODY & LABELS AGREE	☐	☐	

FORM: COC 9-22-2005

08-13923

08-13923
29255

SITE ASSESSMENT REPORT FROM MATERIALS TESTING & CONSULTING, INC. (MTC) DATED FEBRUARY 1992

Site Assessment

Conway Feed
2110 Jones Street
Conway, WA

Prepared for
Conway Feed
P.O. Box 576
Conway, WA

Prepared By
Materials Testing & Consulting, Inc.
P.O. Box 309
Mount Vernon, WA 98273
February, 1992

I. Introduction

On December 11, 1991 and January 6, 1992 a site assessment for two underground storage tanks (USTs) was made at Conway Feed located at 2110 Jones Street in Conway, WA (see Vicinity Map & Figure 1). The tanks were being removed to come into compliance with current state regulation for UST's. The tanks, one 2000 gallon used for diesel storage and one 1000 gallon used for gasoline storage were installed about twenty-five years ago. The owner indicated that to his knowledge there had been no known leakage from the tanks. No complaints of leakage were make prior to the removal process.

The site is located in the Skagit River Flood Plain on level ground. Native soils in the area consist of clayey silts and fine sandy silts. The tanks were buried beneath concrete and asphalt pavement. We encountered the water table at the four to five foot depth. The condition of the tank site along with supporting analytical data is described.

II. Field Observations and Chemical Analysis

The tanks were located in a common pit below a concrete slab as shown in Figure 2. Petroleum vapors were obviously present during the removal process. Excavations were carried to the limits of contaminated soils on the east, south, and north sides of the pit. It was not possible to remove the contaminated soils on the west side of the pit because they provided support for a large steel canopy leading into the maintenance shop. Samples of the contaminated soils on the west side of the pit were taken to verify the degree of contamination and a monitoring well was also placed on the west side of the pit to check the level of ground water contamination.

Both tanks exhibited corrosion at the base with holes from one quarter to one inch in diameter. The diesel tank had several holes in the base of the tank at the south end. The gasoline tank had one visible half inch diameter hole on the base of the tank at the north end. A sample of soils taken eighteen inches below the base of the corroded tanks in the silty clays showed some minor diesel contamination. Native soils to a depth of eighteen inches were removed below the tanks.

III. Conclusions and Recommendations

Two USTs, one 2000 gallon and one 1000 gallon, were removed and the surrounding soils were found to be contaminated. To the extent possible contaminated soils were removed and land farmed. The remaining contamination extends under covered canopy area on the west and could not be removed due to structural and safety considerations.. A monitoring well was placed on the west side of the test pit and sampled February 25, 1992. No contamination of the ground water was found at that time, but we will continue to monitor the well. We would not recommend further action being taken on the soils located below the canopy support unless subsequent water samples show evidence of extensive contamination.

IV. Limitations

This report has been prepared for the specific application to this project and for the exclusive use of Conway Feed and their representatives. The conclusions are based on the site conditions observed and analytical results. The conclusions and recommendations are professional opinions derived in accordance with current standards of practice within the scope of our services and within the budget and time constraints. No warranty is expressed or implied.

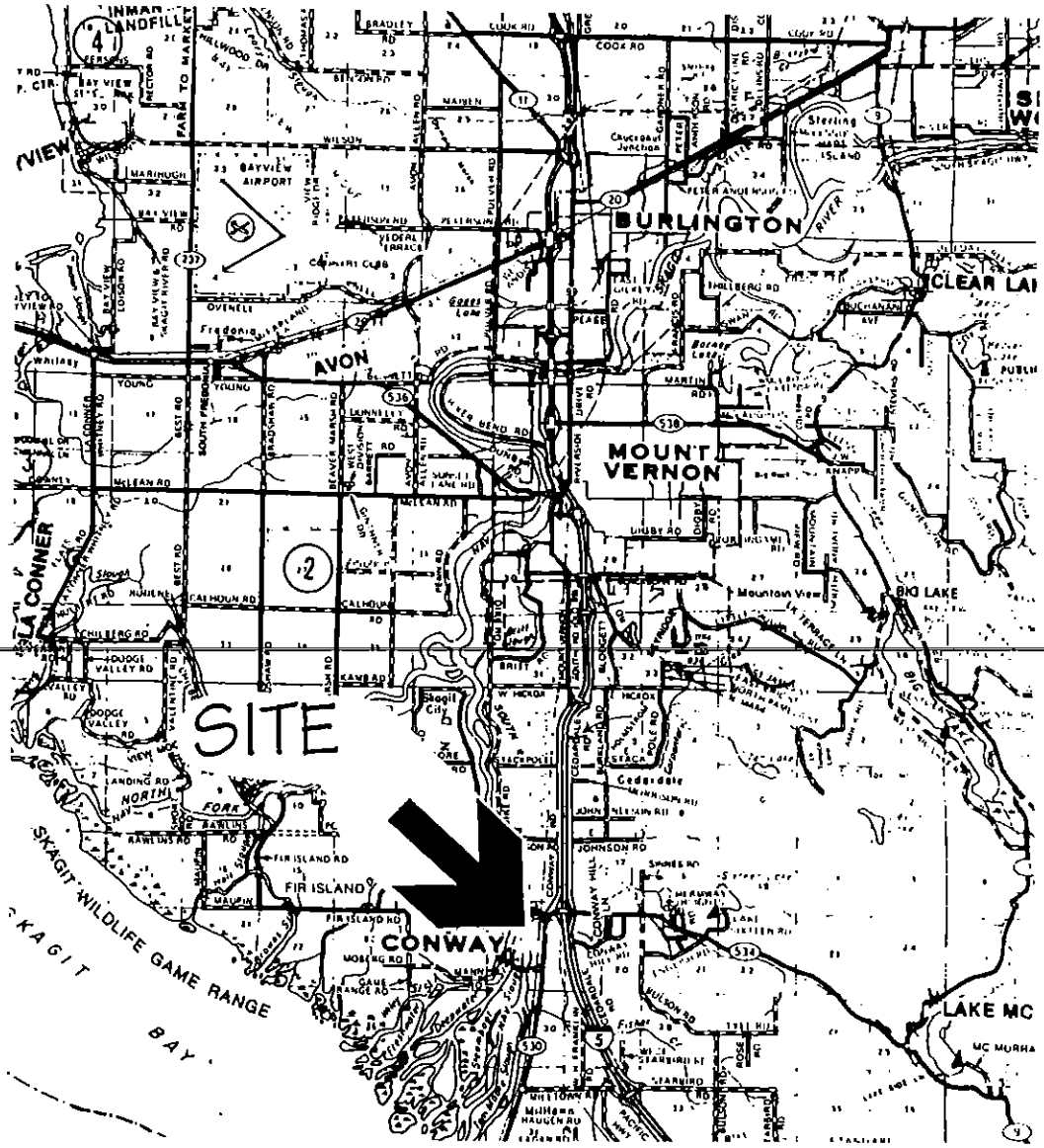
Should there be any questions of if we can be of further service please feel free to call.

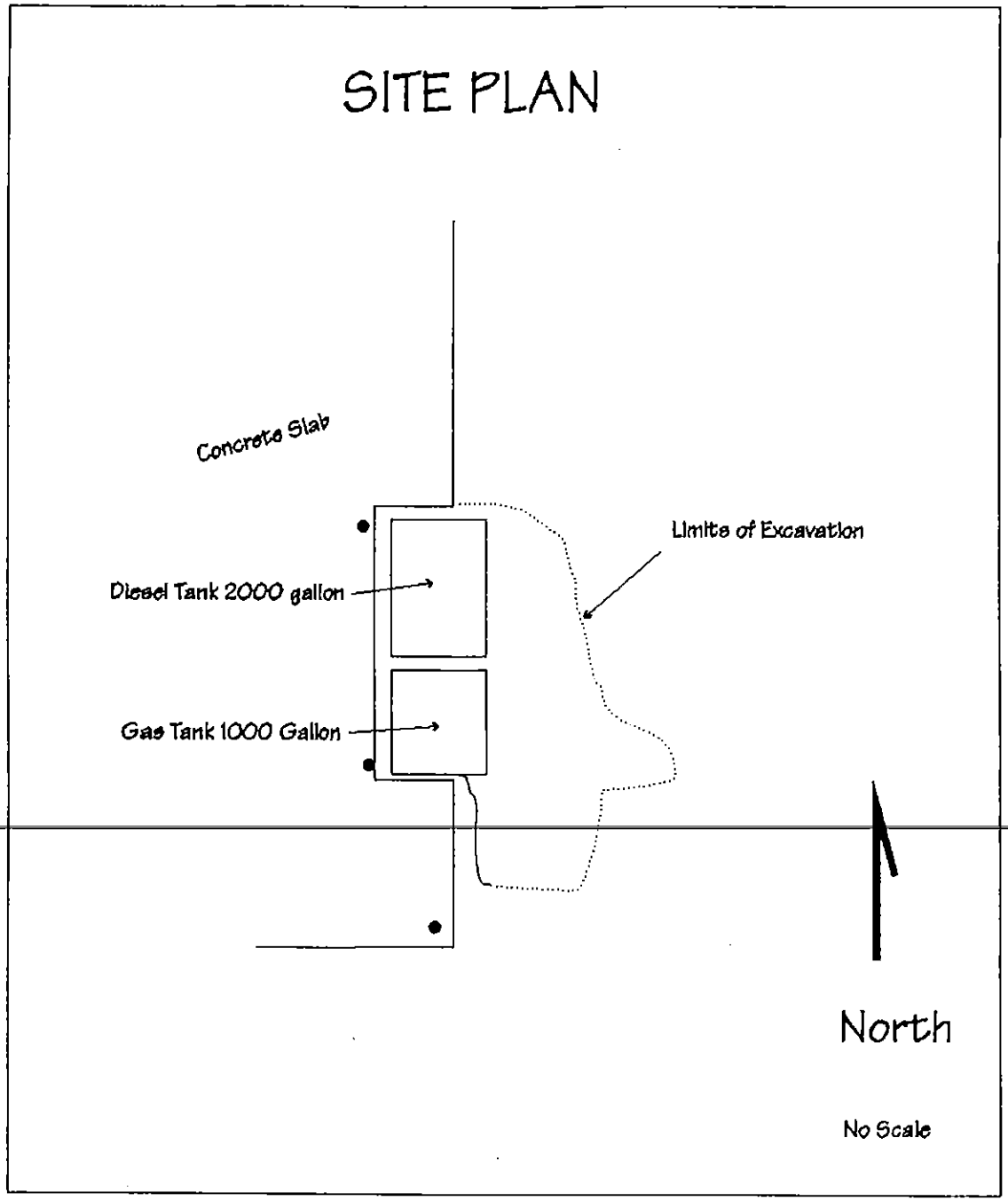
Respectfully submitted,

Pat Miller

Patrick Miller, Site Assessor

VICINITY MAP





Conway Feed
2110 Jones St
Conway, WA 98238

Figure 1

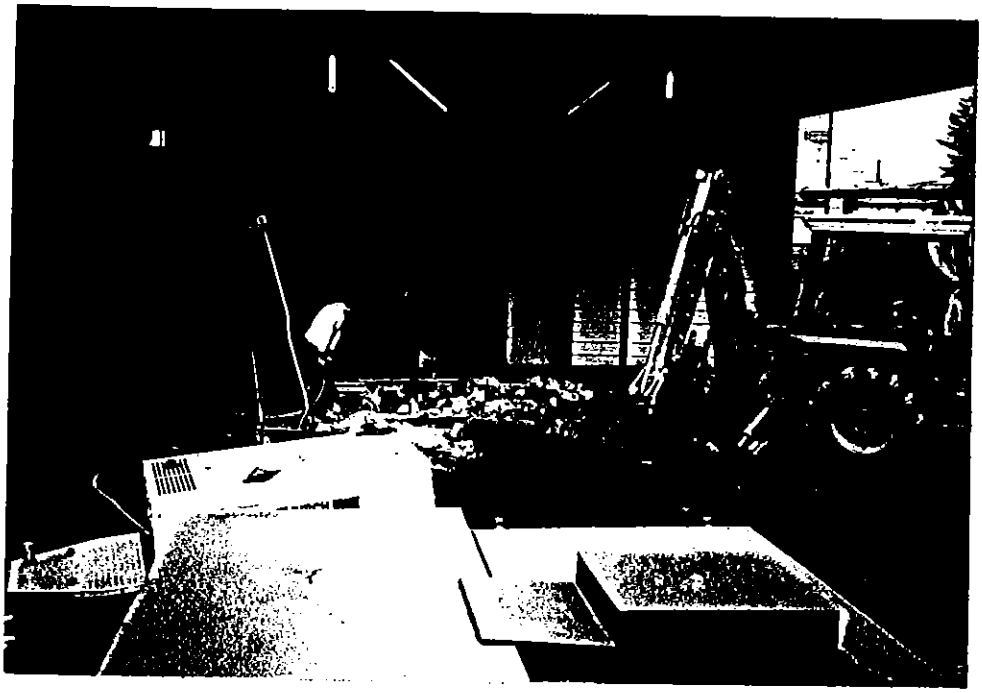


Figure 2. - Initial excavation looking west.

Figure 4. - Removal of 2000 gal. Diesel Tank

Figure 5. - 2000 Gal. Tank after removal.

Figure 6. - 1000 Gal. Tank after removal.

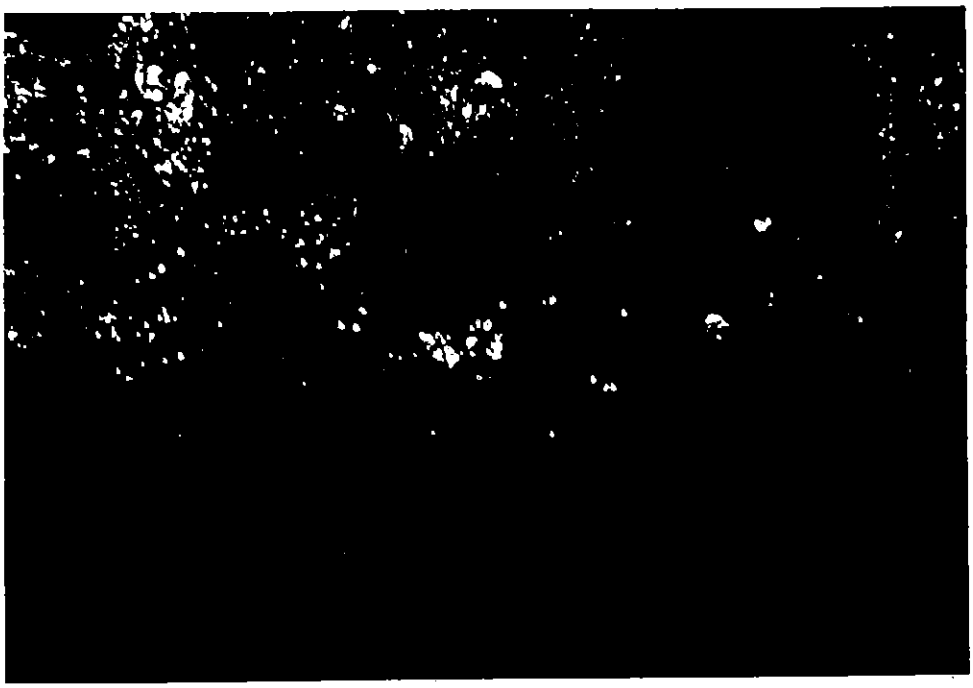


Figure 7. - Typical corrosion.
Also note hole in tank.

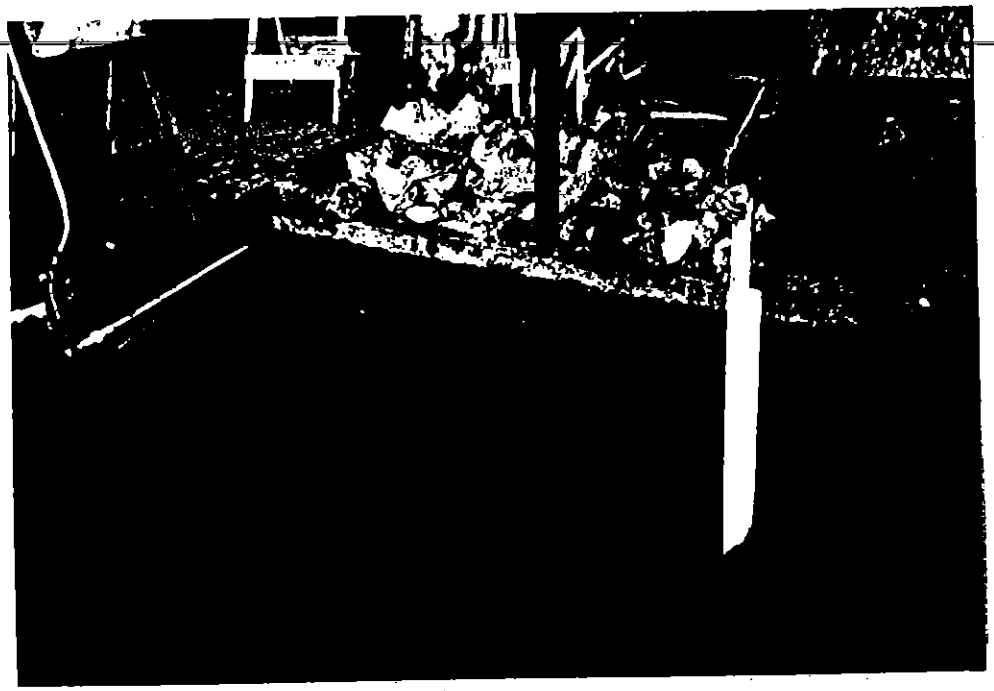


Figure 8. - Monitoring Well
on west pit wall.

Table 1. Analytical data from Conway Feed Underground Storage Tank Removal. Samples Collected on December 11, 1991, January 6, 1992, and February 25, 1992.

		ppm	ppb			
Lab Number	Description	TPH	Benzene	Toluene	Ethlybenzene	Xylenes
12-91-02472.0S	18" below base 1000 gal tank.	23-D	<10	<10	<10	<10
12-91-02473.0S	3.5' depth west wall by 1000 gallon tank	1646-G 552-D	16142	52158	106241	262148
12-91-02474.0S	3' depth west wall N end of 2000 gal tank	1279-G 310-D	12142	52158	106241	191284
12-92-00018.0S	East wall 4.5' depth	<10	<10	<10	<10	<10
12-92-00562.0W	Water from monitoring well	<0.1	<1	<1	<1	<1
	Maximum Contamination Levels (Water/Soil)	1/100	5/500	20/20000	40/40000	20/20000

Methods - SW-846 methods 8020 and 8015 modified

Materials Testing & Consulting, Inc
WSDOE Laboratory # C057
WSDOH Laboratory #46092090

P.O. Box 309
Mount Vernon, WA 98273
(206)424-7560 - FAX (206)424-7550

12

Client: Fuel Tank Services
P.O. Box 462
Burlington, WA. 98233

Date: 12/14/91
Reference: 91-0861

Attn: Mr. Bill Nightingale

Project: Conway Feed

Data Report

Lab Number	Sample Description	ug/gm TPH	ng/gm Benzene	ng/gm Toluene	ng/gm Ebenzene	ng/gm Xylenes	Surrogate % Recovery
12-91-02472.0S	18" below base 1000 gal.	23-D	<10	<10	<10	<10	103
12-91-02473.0S	3 1/2' below west wall by 1000 gal.	1646-G 552-D	16142	52158	106241	262148	96
12-91-02474.0S	3' below west wall N. end of diesel	1279-G 310-D	12142	52158	106241	191284	100
	Methods: BTEX/TPH SW846 8020/8015mod. G- Gasoline D-Diesel	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Soil/Water	EPA Acceptance Limits
ppm	Method Reporting Limit (MRL)	10.0/0.10	10.0/1.0	10.0/1.0	10.0/1.0	10.0/1.0	Soil: 84-138
ppm	Maximum Contamination Levels	100/1	500/5	20000/20	40000/40	20000/20	H20: 88-110

Kurt W. Larsen
Sr. Envronmental Chemist

MTC *Analytical/Environmental Services*

Materials Testing & Consulting, Inc
WSDOE Laboratory # C057
WSDOH Laboratory #46092090

P.O. Box 309
Mount Vernon, WA 98273
(206)424-7560 - FAX (206)424-7550

12

Client: Fuel Tank Services
P.O. Box 462
Burlington, WA. 98233

Date: 1/6/92
Reference: 92-0007

Attn: Mr. Bill Nightingale

Project: Conway Feed

Data Report

Lab Number	Sample Description	ug/gm TPH	ng/gm Benzene	ng/gm Toluene	ng/gm Ebenzene	ng/gm Xylenes	Surrogate % Recovery
12-92-00018.0S	E. Wall 4.5'	<10	<10	<10	<10	<10	98
	Methods: BTEX/TPH SW846 8020/8015mod.						EPA Acceptance
	G- Gasoline D-Diesel	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Limits
	Method Reporting Limit (MRL)	10.0/0.10	10.0/1.0	10.0/1.0	10.0/1.0	10.0/1.0	Soil: 84-138
	Maximum Contamination Levels	100/1	500/5	20000/20	40000/40	20000/20	H20: 88-110

Kurt W. Larsen
Sr. Envronmental Chemist

MTC *Analytical/Environmental Services*

Materials Testing & Consulting, Inc
WSDOE Laboratory # C057
WSDOH Laboratory #46092090

P.O. Box 309
Mount Vernon, WA 98273
(206)424-7560 - FAX (206)424-7550

12

Client: Fuel Tank Services
P.O. Box 462
Burlington, WA. 98233

Date: 2/25/92
Reference: 92-0174

Attn: Mr. Bill Nightingale

Project: Conway Feed

Data Report

Lab Number	Sample Description	ug/gm	ng/gm				Surrogate
		TPH	Benzene	Toluene	Ebenzene	Xylenes	% Recovery
12-92-00562.0S	Water - Monitoring Well	<0.1	<1	<1	<1	<1	99
	Methods: WSDOE WTPH-G/WTPH-D G- Gasoline D-Diesel	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Soil/Water	EPA Acceptance Limits
	Method Reporting Limit (MRL)	10.0/0.10	10.0/1.0	10.0/1.0	10.0/1.0	10.0/1.0	Soil: 84-138
	Maximum Contamination Levels	100/1	500/5	20000/20	40000/40	20000/20	H20: 88-110

Kurt W. Larsen
Sr. Environmental Chemist

FOLLOWUP REPORT FROM MTC ON ANALYSES OF STOCKPILED SOILS DATED SEPTEMBER 1994

Materials Testing & Consulting, Inc

Analytical and Environmental Chemistry

MTC

September 21, 1994

Conway Feed
PO Box 576
Conway, WA 98238

RE: Results of Analyses of Soil Collected from Stockpile

Dear Cheryl:

A representative from Materials Testing & Consulting , Inc. collected samples from the stockpiled soil at Conway Feed on May 26, 1994 and June 29, 1994.

Three soil samples were collected and analyzed for Total Petroleum Hydrocarbons (TPH) by Washington State Department of Ecology (WSDOE) Method WTPH-D. All soil samples were placed in clean, four ounce glass jars, and sealed with a plastic, Teflon-lined lid. The soil samples were packed into the glass containers to minimize the head space volume of each sample. All chemical analyses were performed by Materials, Testing & Consulting in Burlington, WA. Samples were kept on ice or refrigerated until delivered with Chain of Custody to MTC.

No contamination was discovered when the samples were analyzed; all three were reported as "ND" (Not detected). Lab Data Reports are attached.

Receipt of results below the Maximum Contamination Level of 200 PPM on these three samples is sufficient to declare this volume of soil to be effectively remediated. (50 to 100 cubic yards).

Thank you for the opportunity to be of service. Please do not hesitate to call us if there are any questions regarding this information.

Respectfully Submitted,

Larry Pritchett
Registered Site Assessor

1151 Knudson Rd Burlington, WA 98233 - (206)757-1400 - FAX (206)757-1402 - (800)755-9295

MTC

Analytical/Environmental Services

Materials Testing & Consulting, Inc
WSDOE Laboratory #C057
WSDOH Laboratory #046

P.O. Box 309
Mount Vernon, WA 98273
(206)757-1400 - FAX (206)757-1402

0-
Client: Conway Feed
Conway, WA

Attn:

Report Date: 6/5/94
Reference: 94-0910
Date Analyzed: 6/3/94

Project: Conway Feeds
Date Sampled: 5/26/94

Data Report

Page: 1 of 1

Lab Number	Sample Description	ppm	ppb				Surrogate
		TPH	Benzene	Toluene	Ebenzene	Xylenes	% Recovery
0-94-02018.0S	CF-052694-1	nd	nd	nd	nd	nd	96
	Methods: WSDOE: WTPH-G/WTPH-D G- Gasoline A-Aged D-Diesel	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Method Acceptance Limits
	Method Reporting Limit (MRL)**	10.0/0.10	100/1.0	100/1.0	100/1.0	100/1.0	Soil: 50-150
	Maximum Contamination Levels	100/1	500/5	40000/40	20000/30	20000/20	H20: 50-150

Comments: * - indicates heavier hydrocarbons
** - A value of "<n" indicates elevated detection limits due to dilution or chromatographic interference
MS - Matrix Spike at 200 ppm Gasoline\Diesel

kwl

QC Review

MTC *Analytical/Environmental Services*

Materials Testing & Consulting, Inc
WSDOE Laboratory #C057
WSDOH Laboratory #046

P.O. Box 309
Mount Vernon, WA 98273
(206)757-1400 - FAX (206)757-1402

0-
Client: Conway Feed
P O Box 576
Conway, WA 98238

Attn:

Report Date: 8/11/94
Reference: 94-1153
Date Analyzed: 8/10/94

Project: Conway Feed Stockpiled So
Date Sampled: 6/29/94

Data Report

Lab Number	Sample Description	ppm TPH	ppb Benzene	ppb Toluene	ppb Ebenzene	ppb Xylenes	Surrogate % Recovery
0-94-02479.0S	CF062994-1	nd	nd	nd	nd	nd	105
0-94-02479.0S	Lab Dup CF062994-1	nd	nd	nd	nd	nd	103
0-94-02480.0S	CF062994-2	nd	nd	nd	nd	nd	100
	Methods: WSDOE: WTPH-G/WTPH-D G- Gasoline A-Aged D-Diesel	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Soil/Water	Method Acceptance Limits
	Method Reporting Limit (MRL)**	10.0/0.10	100/1.0	100/1.0	100/1.0	100/1.0	Soil: 50-150
	Maximum Contamination Levels	100/1	500/5	40000/40	20000/30	20000/20	H20: 50-150

Comments: * - indicates heavier hydrocarbons
** - A value of "<n" indicates elevated detection limits due to dilution or chromatographic interference
MS - Matrix Spike at 200 ppm Gasoline\Diesel

ljh

QC Review:

CORRESPONDENCE FROM THE WDOE

Skagit County Assessor Parcel Details

Parcel Number	XrefID	Quarter	Section	Township	Range
P16852	330419-0-018-0006	01	19	33	04

Owner Information
CFI PROPERTIES LLC
18700 MAIN ST
PO BOX 576
CONWAY, WA 98238

Site Address(es)
18700 MAIN STREET
[Old Situs] 2110 JONES RD
Conway, WA 98238

Location Map
Locate this Parcel on iMap
Assessor's Parcel Map: PDF | DWF

2009 Values for 2010 Taxes

Building Market Value	$141,400.00
Land Market Value	+$29,300.00
Total Market Value	$170,700.00
Assessed Value	$170,700.00
Taxable Value	$170,700.00

View Value History

Sale Information
Deed Type WARRANTY DEED
Sale Date 2/26/2009
Sale Price $575,000.00
View Sales History

2010 Property Tax Summary

2010 Taxable Value	$170,700.00
General Taxes	$1,762.35
Special Assessments/Fees	+$570.05
Total Taxes	$2,332.40

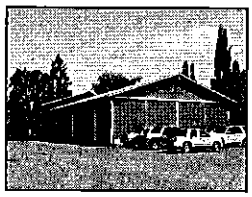
View Tax Statement

Legal Description Definitions

(0.5000 ac) TAX 4 PTN NW1/4 NE1/4 BEG ON S LI CO RD DK 3 ALG N LI SD SEC 266FT W OF NE C SD SEC TH S 2-59-20 W ALG E LI SD RD 124.96FT TPB TH S 2-59-20 W 311.65FT TO INT WI PAC HWY TH NELY ALG W LI SD RD 316.54FT TAP 68-18 E OF POB TH WLY TPB

Land Use	(820) AGRICULTURE RELATED ACTIVITIES	WAC 458-53-030
Neighborhood	(7I2) INDUSTRIAL BLDG	
Utilities	SEP,WTR-P	Septic Information

Levy Code	2665	**Foundation**	
City District	Skagit County	**Construction Style**	
School District	SD317	**Exterior Walls**	
Fire District	F03	**Roof Style**	
Year Built	1995	**Roof Covering**	
Acres	0	**Floor Construction**	
Living Area	4992.00 sq ft	**Plumbing**	
Bedrooms		**Heat-AirCond**	
Appliances		**Fireplace**	
Exemptions			



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

CERTIFIED MAIL

July 27, 1998

Attn: Site Owner
CONWAY FEED INC.
2110 Jones Street
Conway, WA 98238-0576

RE: Petroleum Contamination at CONWAY FEED INC. in Conway, WA

Dear Site Owner:

A recent review of Ecology's Leaking Underground Storage Tank database indicates that we have not received a final cleanup report for CONWAY FEED INC. located at 2110 Jones Street, in Conway, WA.

The Model Toxics Control Act requires submittal of interim or final cleanup reports within ninety (90) days of completion of the cleanup action. Please submit an update of cleanup activities (performed or planned) to Ecology within thirty (30) days of receipt of this letter. Please provide a copy of any interim or final reports generated for the site which have not already been submitted to Ecology.

You may address the update information to:

Washington State Department of Ecology
Toxics Cleanup Program/NWRO
Attention: Carla Skog
3190 – 160th Ave. SE
Bellevue, WA 98008-5452

GAYLE GARBUTT
425-649-4426
Bellevue –

Thank you for your cooperation in this matter. If you have any questions or concerns, please call and leave a detailed message at (360) 407-7562. Your message will be forwarded to the appropriate regional inspector and it may be several days before you receive a return call. If you feel you have received this letter in error, please contact Carla Skog, at the Northwest Regional Office at (425) 649-4426 so that we may update the information contained in our database.

Sincerely,

Lydia Cabeza

Lydia Cabeza
Environmental Technician
Toxics Cleanup Program

Sent copy 7-28-98

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

April 30, 2003

Burlington Northern and Santa Fe Railway
Environmental Department
920 SE Quincy Street
Topeka, KS 66612-1116

To Whom It May Concern:

Re: Conway Feed, 2110 Jones Road, Conway
Underground Storage Tank #10865
Requesting additional information relating to site cleanup activities

The Department of Ecology (Ecology) is currently reviewing site files related to leaking underground storage tank sites. Because some of the cleanup levels for petroleum products have changed due to recent amendments to the Model Toxics Control Act, Washington Administrative Code Chapter 173-340, this site may be qualified for a change in cleanup status. Currently the status for this site is "Cleanup Started". If you have completed this cleanup and can provide Ecology with additional information, we may able to change the status of this site to "Reported Cleaned Up". Listed below is information Ecology maintains on this site:

- Results of Analyses of Soil Collected from Stockpile, prepared by Materials Testing & Consulting, Inc. / September 21, 1994.
- Site Assessment, prepared for Conway Feed, prepared by Materials Testing & Consulting, Inc. / February 1992.
- Underground Storage Tank Notice of Confirmed Release Report / December 12, 1991.

This release was reported to Ecology during removal activities of one 2,000-gallon diesel underground storage tank and one 1,000-gallon gasoline underground storage tank. Free product was noted in tank excavation along with diesel and gasoline contaminated soil. Petroleum contaminated soil remains under the covered canopy area on the west sidewall and could not be removed due to structural considerations. Groundwater was encountered at the four to five foot depth. The consultant recommended to continue to monitor the well. To date, Ecology has not received updated groundwater reports.

Ecology is requesting any updated information you may have on the cleanup activities at this site by May 30, 2003. Please submit the documents to John Bails, Northwest Regional Office-Toxic Cleanup Program, 3190 160th Avenue SE, Bellevue, WA 98008-5452. Ecology's objective is to facilitate the cleanup process at the site, with the goal of moving the site into a "Reported Cleaned Up" or "No Further Action" status with regard to the above mentioned petroleum release.

Your site is eligible for the Voluntary Cleanup Program. The Voluntary Cleanup Program is a fee-based service that Ecology offers to parties who want a detailed review of independent cleanup activities conducted at their site, and who want a determination documented by a letter. The Voluntary Cleanup Program offers a range of opportunities for assistance on completing the cleanup of your site, including the review of plans and proposals. Eventually, after the successful review of a completed cleanup, the result is a "No Further Action" letter. The "No Further Action" letter may be useful in the future to a buyer, seller, or financial institution in the event of a property transaction.

A "Reported Cleaned Up" status is not the same as a "No Further Action" status. It does not involve a detailed review by Ecology. The "Reported Cleaned Up" status may be based on the opinion of the site owner, consultant, or contractor as stated in the reports submitted to Ecology.

Your reports will be kept in the Central Files of the Northwest Regional Office of Ecology for public review by appointment only. Appointments can be made to review files by calling the Northwest Regional Office Records Center at (425) 649-7190.

If you have questions about any of the information presented in this letter, please contact John Bails at (425) 649-7099.

Sincerely,

Carrie McDougal
Toxics Cleanup Program
Department of Ecology

CM:cm
Enclosure

cc: John Bails, State of Washington Department of Ecology, NWRO-TCP
Burlington Northern Santa Fe Railway, Topeka, Kansas
Conway Feed, Conway, WA

Department of Ecology-NWRO

Underground Storage Tank
Notice of Confirmed Release

Notification received by Annelie Petrie Date 12/4/91
Reporter name Dan Kane
address Skagit County Fire Dept.
phone no. 336-9460

Site name Conway Feed site phone no. 445-5211
UST#: address 2110 Jones Rd. P.O. Box 576
city ~~Mt Vernon~~ Conway county Skagit zip 98238-0576
010865
Site owner Conway Feed owner's phone 445-5211
INC#: owner's address Chuck
2746 city Conway zip

Consultant company Material Testing Inc. - Pat Miller
name phone no. 424-7560

Other contact Fuel Tank Services phone no.
contact affiliation Bill Nightingale

Description of Incident

Material	# Tanks	Status/Date
~~gasoline~~	1	12/4/91 - removed - 1,000 gal
diesel	1	12/4/91 - removed - 2,000 gal
waste oil		
heat fuel		

Total number tanks: 2 Cleanup Status assessing

Comments Free product in excavation; soil contaminated with both gas & diesel. There is a canopy extending over the loading area. It will be difficult to excavate all contamination without undermining footings.

12/4/91 - Phone call to Pat Miller - They are setting up a land farming area on another part of the site. They have wiggle wire and straw bales for a berm for erosion protection. They will have difficult time excavating due to footings of canopy & building. There is water in the hole, so they will also need to dewater. He does not know level of contamination until soil samples come back. He will sample water in hole after cleanup & dewatering.

Date inspected ~~12/4/91~~ Investigator Referred to

20-day update

Telephone Report #2746

Call From: Pat Miller Date: 12/16/91

Time: 11:45 (am) pm

Phone No.: 424-7560

Call To: Annette Petrie

Subject: Conway Feeds

Summary: There was not free product in the excavation. There was a sheen on the water. The soil sample under the tank came back 23ppm TPH (diesel). The sidewall sample by the footings for the canopy came back 15000ppm TPH (gas), 4000ppm TPH (diesel). They have excavated 15cy of soil. Some contamination will have to be left in place due to the canopy footings. They will excavate more and after dewatering, they will take a GW sample.

Signature: Annette Petrie Date: 12/16/91

8/20/98 Revi 'of Site
Assesment Report (2/92)
and 9/21/94 lab report

Spoke w/
Cheryl T H/Conway Feed (8/25/98)

(1) No confirmational clean samples

⇒ Evidence that pcs was not in contact w/ gw.

(2) Sample 18" below base of 1000 gal gas tank hot for benzene.

What depth was the base of tank?
(need to know where contamination is in relation to gw)

(3) Consultant has recommended additional gw samples.

To date, no additional samples were taken.

---

(4) What are lab. detection limits?

(47) JMS/NWRO

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

DEPARTMENT OF ECOL
UNDERGROUND STORAGE TA
MAR 25 1992

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: CONWAY FEED 2746

Owners Address: 2110 Jones St. (Street) 576 (P.O. Box)

CONWAY (City) WA (State) 98238 (ZIP-Code)

Telephone: 445-5211

Site ID Number (on invoice or available from Ecology if tank is registered): 0108645 Unregistered

Site/Business Name: Same

Site Address: 2110 Jones St (Street) Skagit (County)

CONWAY (City) WA (State) 98238 (ZIP-Code)

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: Patrick D. Miller

Address: 1729 BRITT RD (Street)

MOUNT VERNON (City) WA (State) 309 (P.O. Box) 98273 (ZIP-Code)

Telephone: (206) 424-7560

DEPARTMENT OF ECOLOGY
NWRO/TCP TANK UNIT
2746
INTERIM CLEANUP REPORT ☒
SITE CHARACTERIZATION ☐
FINAL CLEANUP REPORT ☐
OTHER ☐
AFFECTED MEDIA: SOIL ☒ GW ☐
OTHER
INSPECTOR (INIT.) WL DATE 12-21-92

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): N/A
2. Year installed: prior to 1980
3. Tank capacity in gallons: 1000 (gas) 2000 (diesel)
4. Last substance stored: 1000-gas, 2000 diesel

4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination
- ____ Extend temporary closure of UST system for more than 12 months
- ____ UST system undergoing change-in-service
- ____ UST system permanently closed-in-place
- ✓ UST system permanently closed with tank removed
- ____ Required by Ecology or delegated agency for UST system closed before December 22, 1988
- ____ Other (describe): ____

5. CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	Yes	No
1. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	✓	
2. Has a release from the UST system been confirmed? *NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.*	✓	
3. Are the results of the site check/site assessment enclosed with this checklist? *NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.*	✓	

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

Date: ____ Signature of Person Registered with Ecology: ____

6. OWNER'S SIGNATURE

Date: 2-25-92 Signature of Tank Owner or Authorized Representative: [signature]

DEPARTMENT OF ECOLOGY
INTERIM CLEANUP REPORT
SITE CHARACTERIZATION
FINAL CLEANUP REPORT
SOIL

LUST CLEANUP REPORT REVIEW

LUST # 2746 UST # 10865 Site Name _____

Change in Status of Release & Date (Awaiting Cleanup) (Cleanup Started) (Monitoring) (Reported Cleaned Up) (No Further Action) (Unknown) Date NC

Cause of Release (Overfill) (Piping Failure) (Spill)(Tank Failure) (Unknown)

Remediation Technologies Used _____

Report Title _____ Report Date _____

Report Type (Interim) (Monitoring) (Final) (Site Characterization) (Unknown)

Date Received _____ Contractor _____

Comments GW(?) REMAINS UNRESOLVED

Fund Source (LUST Trust Fund) (PLIA) (Responsible Party) (State Fund)

VCP/IRAP Status (Requested) (Not Requested) (Complete) Reviewed by _____

Date 7/13/00

Nov. 4, 1999 (GG)

TELEPHONE RECORD

Date: 8/25/98
Time: 12:30 ☐ a.m. ☒ p.m.

☐ CALLED BY Name: Cheryl Pratt Telephone #: 360-445-5211

☒ CALLED Address 2110 Jones Street
Conway, WA
98238-0576

Representing: Conway Feed, Inc.

Project: 12/91-1/92 Site Assessment (LUST)

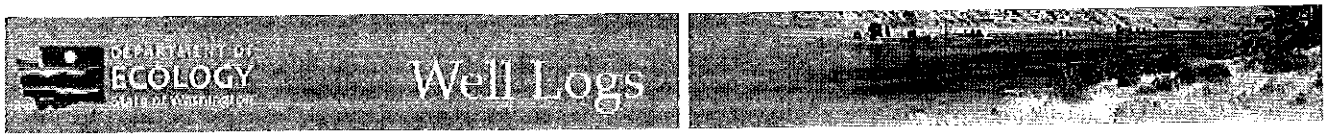
Discussed: In response to letter from Olympia, discussed LUST cleanup. Property will remain listed as cleanup started until unanswered questions re gw are addressed. Explained that since pcs above MTCA A remains in place under canopy, and is potentially in contact w/ gw (4-5 feet bgs), the issue of gw impact remains unresolved.

Signed: SBremer

WELL LOGS FROM FOUR SECTIONS

WELL LOGS

T 33 N R 04 E SW ¼ Section 17



TEXT SEARCH RESULTS

Back ... New Search

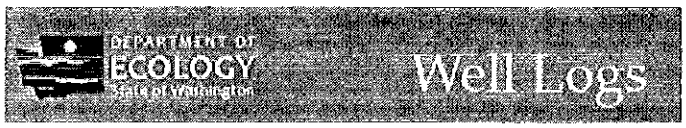
- **Search Criteria Used:** Township: **33**, Range: **04E**, Section(s): **17**, Quarter Section: **SW**
- There are **0** well logs that match your search criteria.
- The results are sorted by Well Owner Name.

WELL LOGS

DOWNLOADED FROM DEPARTMENT OF ECOLOGY
WELL LOG WEBSITE

http://apps.ecy.wa.gov/welllog

T 33 N R 04 E SE ¼ Section 18



TEXT SEARCH RESULTS

Back ... New Search

- **Search Criteria Used:** Township: **33**, Range: **04E**, Section(s): **18**, Quarter Section: **SE**
- There are **9** well logs that match your search criteria.
- The results are sorted by Well Owner Name.

Download all 9 Images | Download all 9 Records | Print this Page | Help

Displaying **1 - 9** of **9** well log results Sort results by: Well Owner Name

1. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: INTERSECTION MAIN AND FIR ISLAND RD, CONWAY
   Well Log ID: 320246, Well Tag ID: (blank) , Notice of Intent Number: R036103
   Well Diameter: (blank) , Well Depth: 15 (feet)
   Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

2. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
   Well Log ID: 519159, Well Tag ID: (blank) , Notice of Intent Number: R036063
   Well Diameter: (blank) , Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

3. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
   Well Log ID: 519160, Well Tag ID: (blank) , Notice of Intent Number: R036063
   Well Diameter: (blank) , Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

4. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
   Well Log ID: 519161, Well Tag ID: (blank) , Notice of Intent Number: R036063
   Well Diameter: (blank) , Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

5. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
   Well Log ID: 519162, Well Tag ID: (blank) , Notice of Intent Number: R036063
   Well Diameter: (blank) , Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

6. **SCOTT PETERSON** - { view PDF | view TIFF }
   Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
   Well Log ID: 519163, Well Tag ID: (blank) , Notice of Intent Number: R036063

Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

7. **SCOTT PETERSON** - { view PDF | view TIFF }
Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
Well Log ID: 519164, Well Tag ID: (blank) , Notice of Intent Number: R036063
Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

8. **SCOTT PETERSON** - { view PDF | view TIFF }
Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
Well Log ID: 519165, Well Tag ID: (blank) , Notice of Intent Number: R036063
Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

9. **SCOTT PETERSON** - { view PDF | view TIFF }
Public Land Survey: SW, SE, S-18, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: MASON AND FIR ISLAND RD, CONWAY
Well Log ID: 519166, Well Tag ID: (blank) , Notice of Intent Number: R036063
Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 5/12/1999, Well Log Received Date: 5/17/1999

15997

ENTERED

RESOURCE PROTECTION WELL REPORT

START CARD NO. R036103

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. GW-1
DRILLING METHOD: Direct Push
DRILLER: Eric Nassau
FIRM: TEG NW
SIGNATURE: Eric Nassau
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW ¼ SE ¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd @ Main St Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	Water was sampled through a retractable S.S. screen set at 11'-13.5' BGS Well was removed and filled with bentonite	not observed

5
10
15

RECEIVED
MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291027

ENTERED

RESOURCE PROTECTION WELL REPORT

R036063

START CARD NO. ~~R036103~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. GW-5
DRILLING METHOD: Direct Push
DRILLER: Eric Nassau
FIRM: TEG NW
SIGNATURE:
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW ¼ SE ¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is Rd at Main St. Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through a retractable s.s. screen set at 9.5'-12' BGS Well was removed and backfilled with bentonite	not observed

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DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

ENTERED

291028
~~15093~~

RESOURCE PROTECTION WELL REPORT

R036063

START CARD NO. ~~R036103~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. GW-4
DRILLING METHOD: Direct Push
DRILLER: Eric Nassan
FIRM: TEG NW
SIGNATURE: [signature]
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd @ Main St.
Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through a retractable S.S. screen set at 7.5'-10' BGS Well was removed and backfilled w/ Bentonite	not observed

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MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5' PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

291029

ENTERED

RESOURCE PROTECTION WELL REPORT

R036063

START CARD NO. ~~R036103~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. GW-3
DRILLING METHOD: Direct Push
DRILLER: Eric Nassar
FIRM: TEG
SIGNATURE:
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE ¼ Sec 18 Twn 33 R 4E
STREET ADDRESS OF WELL: Fir Is. Rd at Main St. Conway.
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through a retractable S.S. screen set at 9-5'-12' BGS well was removed and backfilled w/ bentonite	not observed

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MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = ~~20'~~ 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291030

ENTERED

RESOURCE PROTECTION WELL REPORT

R036063

START CARD NO. ~~R036103~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. GW-2
DRILLING METHOD: Direct Push
DRILLER: Eric Nassau
FIRM: TEG NW
SIGNATURE:
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE¼ Sec 18 Twn 33 N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd & Main St. Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through a retractable S.S. screen set at 7.5'-10' BGS Well was removed and backfilled with bentonite	not observed

RECEIVED
MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = _____ PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

ENTERED

~~PS840~~ 241031

RESOURCE PROTECTION WELL REPORT

R036063

START CARD NO. ~~R036105~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. Piezo-4
DRILLING METHOD: Direct Push
DRILLER: Eric Nassan
FIRM: TEG NW
SIGNATURE:
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE ¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd
at Main St. Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through 3/4" PVC screened at 3'-13' BGS well was removed and backfilled with bentonite	not observed

RECEIVED
MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Z91032
~~15839~~

ENTERED

RESOURCE PROTECTION WELL REPORT

R036063
START CARD NO. ~~R03610~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. Piezo-3
DRILLING METHOD: Direct Push
DRILLER: Eric Nassan
FIRM: TEG NW
SIGNATURE: Eric Nassan
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW ¼ SE ¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd at Main St. Conway
WATER LEVEL: ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	Water was sampled through 3/4" PVC screened at 1'-11' BGS Well was removed and backfilled with bentonite	not Observed

RECEIVED
MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

~~150~~ 291033

ENTERED

RESOURCE PROTECTION WELL REPORT

R 036063

START CARD NO. ~~A036103~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. Piezo-2
DRILLING METHOD: Direct Push
DRILLER: Eric Massau
FIRM: TEG NW
SIGNATURE: [signature]
CONSULTING FIRM: EPI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE ¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd at Main St. Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10	water was sampled through 3/4" PVC screened at 8'-13' BGS Well was removed and backfilled w/bentonite	not observed

RECEIVED
MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

Z91034
~~[illegible]~~

ENTERED

RESOURCE PROTECTION WELL REPORT

12036063

START CARD NO. ~~R[illegible]~~

PROJECT NAME: Conway BP
WELL IDENTIFICATION NO. Aero-1
DRILLING METHOD: Direct Push
DRILLER: Eric Nassan
FIRM: TEG NW
SIGNATURE: [signature]
CONSULTING FIRM: E-PI
REPRESENTATIVE: John Kane

COUNTY: Skagit 33-4E-18Q
LOCATION: SW¼ SE¼ Sec 18 Twn 33N R 4E
STREET ADDRESS OF WELL: Fir Is. Rd @ Main St Conway
WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 5/12/99
DEVELOPED: 5/12/99

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
5 10 15	Water was sampled through 3/4" PVC Screened at 8'-13' BGS Well was removed and backfilled w/bentonite.	not observed

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MAY 17 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

WELL LOGS

DOWNLOADED FROM DEPARTMENT OF ECOLOGY
WELL LOG WEBSITE

http://apps.ecy.wa.gov/welllog

T 33 N R 04 E NE ¼ Section 19

Text Search Results

Back ... New Search

- **Search Criteria Used:** Township: **33**, Range: **04E**, Section(s): **19**, Quarter Section: **NE**
- There are **9** well logs that match your search criteria.
- The results are sorted by Well Owner Name.

Download all 9 Images | Download all 9 Records | Print this Page | Help

Displaying **1 - 9** of **9** well log results Sort results by: Well Owner Name

1. **TRANS MOUNTAIN PIPELINE** - { view PDF | view TIFF }
   Public Land Survey: NE, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: TRANS MOUNTAIN OIL PIPELINE
   Well Log ID: 119326, Well Tag ID: (blank) , Notice of Intent Number: 065796
   Well Diameter: 9 (inches), Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 10/29/1991, Well Log Received Date: 12/17/1991

2. **WYLIE** - { view PDF | view TIFF }
   Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
   Well Log ID: 345812, Well Tag ID: (blank) , Notice of Intent Number: A061791
   Well Diameter: (blank) , Well Depth: 6 (feet)
   Well Type: Decommissioned, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

3. **WYLIE** - { view PDF | view TIFF }
   Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
   Well Log ID: 345813, Well Tag ID: (blank) , Notice of Intent Number: A061791
   Well Diameter: (blank) , Well Depth: 6 (feet)
   Well Type: Decommissioned, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

4. **WYLIE** - { view PDF | view TIFF }
   Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
   Well Log ID: 345814, Well Tag ID: (blank) , Notice of Intent Number: A061791
   Well Diameter: (blank) , Well Depth: 6 (feet)
   Well Type: Decommissioned, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

5. **WYLIE** - { view PDF | view TIFF }
   Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
   Well Log ID: 345842, Well Tag ID: (blank) , Notice of Intent Number: A061791
   Well Diameter: (blank) , Well Depth: 6 (feet)
   Well Type: Decommissioned, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

6. **WYLIE** - { view PDF | view TIFF }
   Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
   Well Log ID: 347110, Well Tag ID: (blank) , Notice of Intent Number: E002066

Well Diameter: (blank) , Well Depth: 6 (feet)
Well Type: Resource Protection, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

7. **WYLIE** - { view PDF | view TIFF }
Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
Well Log ID: 347111, Well Tag ID: (blank) , Notice of Intent Number: E002066
Well Diameter: (blank) , Well Depth: 6 (feet)
Well Type: Resource Protection, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

8. **WYLIE** - { view PDF | view TIFF }
Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
Well Log ID: 347112, Well Tag ID: (blank) , Notice of Intent Number: E002066
Well Diameter: (blank) , Well Depth: 6 (feet)
Well Type: Resource Protection, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

9. **WYLIE** - { view PDF | view TIFF }
Public Land Survey: NW, NE, S-19, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: HWY 520 NEAR FIR ISLAND RD
Well Log ID: 347113, Well Tag ID: (blank) , Notice of Intent Number: E002066
Well Diameter: (blank) , Well Depth: 6 (feet)
Well Type: Resource Protection, Well Completion Date: 7/17/2002, Well Log Received Date: 10/2/2002

33/4E/19A

HOLT DRILLING, INC.

Resource Protection Well Report

Project Name: TRANS Mountain Pipeline
Well Identification #: CE-1
Drilling Method: 6 5/8 H.S.A.
Driller: Pat Miller
License #: 1672

Date: 10-29-91
County: SKAGIT, NE 1/4 NE 1/4
Section: 19 T. 33N R. 4E
Start Card: 065796
Consulting Firm: Golder Assc. Inc.

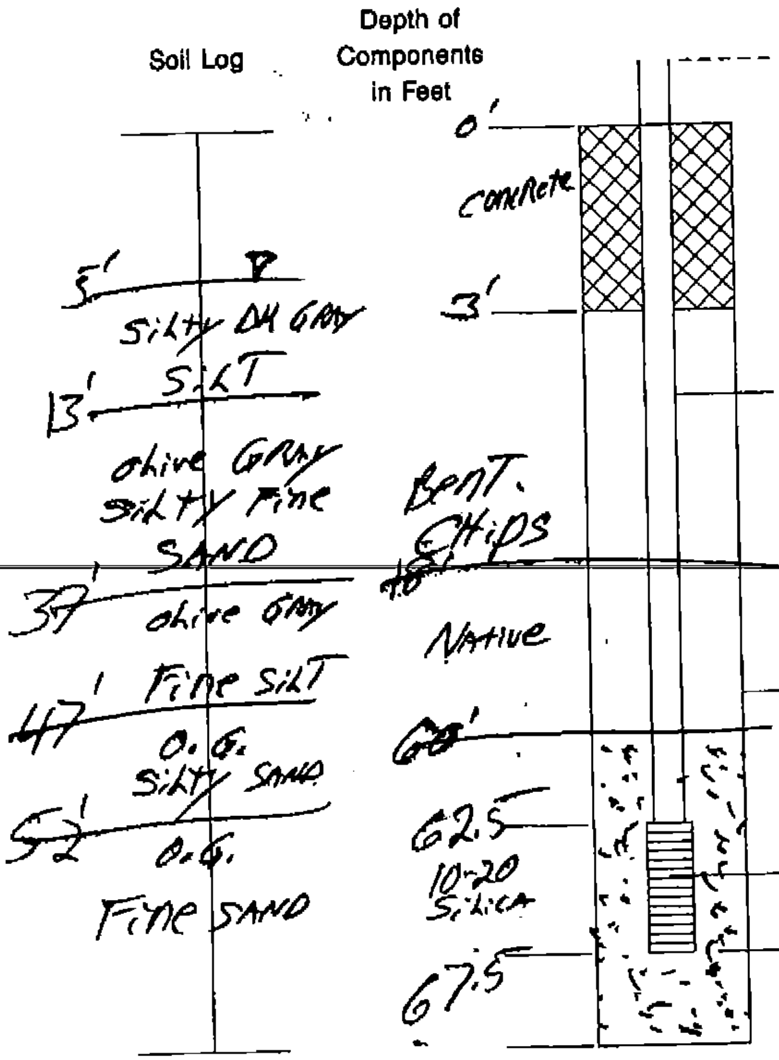
Stick up: 2.5' on Monument Casing

Type of Surface Seal: Bentonite chips
Amount: 500 #

ID of Riser Pipe: 3"
Type of Riser Pipe: PVC
Amount: 62.5
Type of Connection: THREADED
Type of Backfill around Riser: NATIVE
Amount:

Diameter of Borehole: 9"

Screen Size or Type: HACKSAWED
Type of Filter Material: 10-20 Silica
Amount: 500 #



Remarks: ESTURARY DEPOSITS

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DEC 17 1991
DEPT. OF ECOLOGY

Signature: [signature]

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No E0022066

122557

Construction/Decommission (x in circle)
- (X) Construction
- ( ) Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well (x in circle)
- (X) Resource Protection 33-4E 19B
- ( ) Geotech Soil Boring

Consulting Firm PBS

Unique Ecology Well ID Tag No SP-1

Property Owner MR WYLIE

Site Address 1/4 mile S/ Fir Island Rd on Hwy 530

City Conway County SKAGIT

Location NW 1/4 NE 1/4 Sec 19 Twn 33N R 4E (EWM) or WWM circle one

Lat/Long (s t r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 7-17-02

Work/Decommission Completed Date 7-17-02

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

(X) Driller ( ) Engineer ( ) Trainee Name (Print) DON HARENDEN

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No 2503

If trainee, licensed driller s Signature and License no _____

Construction/Design	Well Data	Formation Description
SCREENED INTERVAL 3 - 6	- STAINLESS STEEL WATER SCREEN WAS LOWERED FROM 3'-6' - ALL MATERIALS WERE RETRIEVED AND THE HOLE WAS BACKFILLED WITH BENTONITE	SILT-CLAY SAND

1' 2' 3' 4' 5' 6'

Scale 1 = 2'

Page 1 of 1

ECY 050 12 (Rev 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No A61791=

122554

Construction/Decommission (x in circle)
O Construction
☒ Decommission ORIGINAL INSTALLATION Notice of Intent Number E002066

Type of Well (x in circle)
☒ Resource Protection 33-4E.19B
O Geotech Soil Boring

Consulting Firm PBS

Unique Ecology Well ID Tag No SP-2

Property Owner MR WYLIE

Site Address ¼ mile S of Fir Island Rd on Hwy 530

City CONWAY County SKAGIT

Location NW 1/4 NE 1/4 Sec 19 Twn 33N R 4E (EWM) circle one or WWM

Lat/Long (s, t r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No ____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 7-17-02

Work/Decommission Completed Date 7-17-02

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

☒ Driller ☐ Engineer ☐ Trainee Name (Print) DON HAWDEN

Driller/Engineer/Trainee Signature [signature]

Driller or Trainee License No 2503

If trainee, licensed driller's Signature and License no ____

Construction/Design	Well Data	Formation Description
SCREENED INTERVAL 3 - 6'	-STAINLESS STEEL WATER SCREEN WAS LOWERED FROM 3'-6'	SILT CLAY (0-3')
	-ALL MATERIALS WERE RETRIEVED AND THE HOLE WAS BACKFILLED WITH BENTONITE	SAND (3'-6')

Depth marks: 2', 4', 6'

Scale 1 = 2'

Page 1 of 1

ECY 050 12 (Rev 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No AG1791 =

Construction/Decommission (x in circle)
122555
O Construction
X Decommission *ORIGINAL INSTALLATION Notice of Intent Number* E002066

Type of Well (x in circle)
X Resource Protection 33-4E-19B
O Geotech Soil Boring

Consulting Firm PBS

Unique Ecology Well ID Tag No SP-3

Property Owner MR WYLIE

Site Address 1/4 mile S of Fir Island Rd on Hwy 536

City Conway County Skagit

Location NW 1/4 NE 1/4 Sec 19 Twn 33N R 4E (EWM) or WWM circle one

Lat/Long (s, t r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No ____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 7-17-02

Work/Decommission Completed Date 7-17-02

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

X Driller ☐ Engineer ☐ Trainee Name (Print) DON HARENDEN

Driller/Engineer/Trainee Signature

Driller or Trainee License No 2503

If trainee, licensed driller's Signature and License no ____

Construction/Design	Well Data	Formation Description
0'	- STAINLESS STEEL WATER SCREEN WAS LOWERED FROM 3'-6'	2' SILTY CLAY
2'	- ALL MATERIALS WERE RETRIEVED AND THE HOLE WAS BACKFILLED WITH BENTONITE	4' SAND
4'		6'
6'		

SCREENED INTERVAL 3 - 6'

Scale 1 = 2'

Page 1 of 1

ECY 050 12 (Rev 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No E0022666

Construction/Decommission (x in circle) 122560

(X) Construction

( ) Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well (x in circle)

(X) Resource Protection 33-4E-19B

( ) Geotech Soil Boring

Consulting Firm PGS

Unique Ecology Well ID Tag No SP 4

Property Owner MR WYLIE

Site Address 1/4 mile S/F Island Rd & Hwy 530

City Conway County Skagit

Location NW 1/4 NE 1/4 Sec 19 Twn 33N R 4E (EWM) or WWM (circle one)

Lat/Long (s t r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 7-17-02

Work/Decommission Completed Date 7-17-02

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

(X) Driller ( ) Engineer ( ) Trainee Name (Print) Dan Herndon

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No 2503

If trainee, licensed driller s Signature and License no _____

Construction/Design	Well Data	Formation Description
SCREENED INTERVAL 3 - 6	- STAINLESS STEEL WATER SCREEN WAS LOWERED FROM 3'-6' - ALL MATERIALS WERE RETRIEVED AND THE HOLE WAS BACKFILLED WITH BENTONITE	SILTY CLAY SAND

2

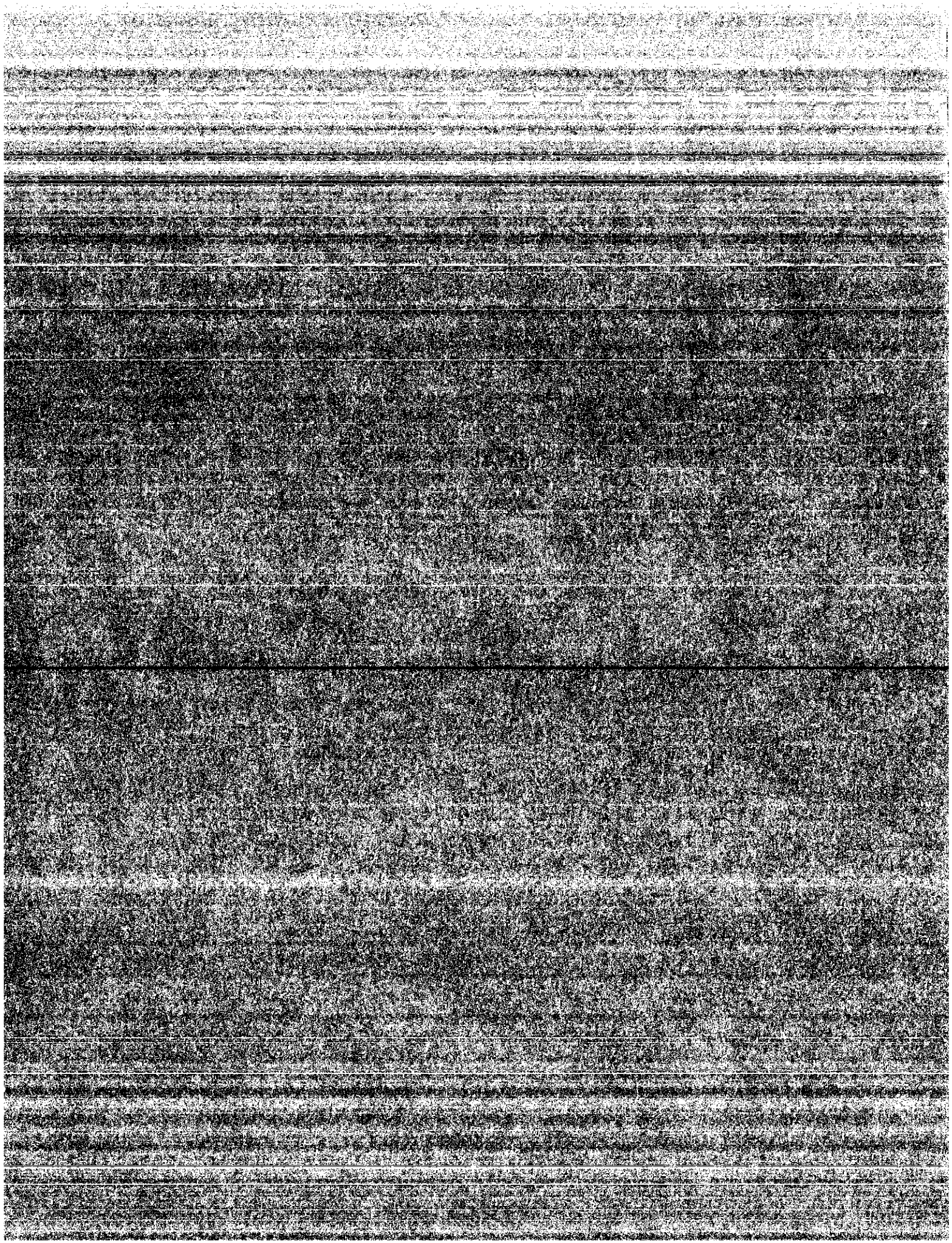
4'

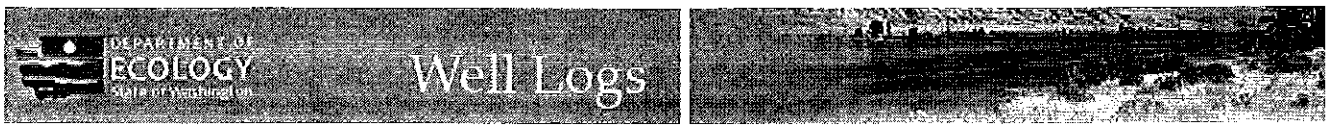
6'

Scale 1 = 2'

Page 1 of 1

ECY 050 12 (Rev 2/01)





TEXT SEARCH RESULTS

Back ... New Search

- **Search Criteria Used:** Township: **33**, Range: **04E**, Section(s): **20**, Quarter Section: **NW**
- There are **7** well logs that match your search criteria.
- The results are sorted by Well Owner Name.

Download all 7 Images | Download all 7 Records | Print this Page | Help

Displaying 1 - 7 of 7 well log results Sort results by: Well Owner Name

1. **ALLEN KWANT** - { view PDF | view TIFF }
   Public Land Survey: SE, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: P17005
   County: SKAGIT, Well Address: END OF CONWAY HILL LN, STANWOOD 98292
   Well Log ID: 373392, Well Tag ID: AHG096, Notice of Intent Number: WE01646
   Well Diameter: 6 (inches), Well Depth: 122 (feet)
   Well Type: Water, Well Completion Date: 12/23/2003, Well Log Received Date: 1/2/2004

2. **HAROLD VANWINGERDEN** - { view PDF | view TIFF }
   Public Land Survey: NW, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: (blank)
   Well Log ID: 78807, Well Tag ID: (blank) , Notice of Intent Number: 039129
   Well Diameter: 36 (inches), Well Depth: 13 (feet)
   Well Type: Water, Well Completion Date: 9/4/1991, Well Log Received Date: (blank)

3. **LARRY LOCKEN** - { view PDF | view TIFF }
   Public Land Survey: NE, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: (blank)
   Well Log ID: 81024, Well Tag ID: (blank) , Notice of Intent Number: (blank)
   Well Diameter: 6 (inches), Well Depth: 110 (feet)
   Well Type: Water, Well Completion Date: 6/8/1987, Well Log Received Date: (blank)

4. **NORM & MARY COKER** - { view PDF | view TIFF }
   Public Land Survey: (blank), (blank), S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: 2169 SNOWDEN LN, MT VERNON, 98274
   Well Log ID: 82510, Well Tag ID: (blank) , Notice of Intent Number: (blank)
   Well Diameter: 6 (inches), Well Depth: 143 (feet)
   Well Type: Water, Well Completion Date: 3/28/1998, Well Log Received Date: 4/27/1998

5. **TEXACO # 63-076-0004** - { view PDF | view TIFF }
   Public Land Survey: SW, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: 2153 CONWAY HILL RD, MT VERNON
   Well Log ID: 120839, Well Tag ID: ABN867, Notice of Intent Number: R018922
   Well Diameter: (blank) , Well Depth: (blank)
   Well Type: Resource Protection, Well Completion Date: 11/5/1994, Well Log Received Date: 11/22/1994

6. **TEXACO # 63-076-0004** - { view PDF | view TIFF }
   Public Land Survey: SW, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
   County: SKAGIT, Well Address: 2153 CONWAY HILL RD, MT VERNON
   Well Log ID: 120840, Well Tag ID: ABN868, Notice of Intent Number: R018922

Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 11/5/1994, Well Log Received Date: 11/22/1994

7. **TEXACO # 63-076-0004** - { view PDF | view TIFF }
Public Land Survey: SW, NW, S-20, T-33-N, R-04-E, Tax Parcel Number: (blank)
County: SKAGIT, Well Address: 2153 CONWAY HILL RD, MT VERNON
Well Log ID: 121367, Well Tag ID: ACD007, Notice of Intent Number: R005482
Well Diameter: (blank) , Well Depth: (blank)
Well Type: Resource Protection, Well Completion Date: 8/31/1995, Well Log Received Date: 9/18/1995

(1)

1413398

33-4E-20F

Please print, sign and return to the Department of Ecology

Water Well Report

Original & 1st copy – Ecology, 2nd copy – owner 3rd copy – driller

Construction/Decommission

☑ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* WE 01646

Current

Notice of Intent No. WE 01646

Unique Ecology Well ID Tag No. AHG 096

Water Right Permit No.

Property Owner Name Allen Kwant

Well Street Address end of Conway Hill Lane

City Mount Vernon County Skagit

Location SE 1/4-1/4 NW 1/4 Sec 20 Twn 33 R 4 EWM ☑ clo or WWM ☐ ane

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg Lat Min/Sec Long Deg Long Min/Sec

Tax Parcel No. P17005

PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)

☑ New well ☐ Reconditioned ☐ Deepened *Method* ☐ Dug ☐ Bored ☐ Driven ☐ Cable ☑ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 160 ft. Depth of completed well 122 ft.

CONSTRUCTION DETAILS

Casing Installed: ☑ Welded 6 " Diam. from 0 ft to 102 ft ☐ Liner installed " Diam. from ft to ft ☐ Threaded " Diam. from ft to ft

Perforations: ☐ Yes ☑ No

Type of perforator used

SIZE of perfs in by in and no of perfs from ft to ft

Screens: ☑ Yes ☐ No ☐ K-Pac Location

Manufacturer's Name Johnson

Type stainless steel Model No telescope

Diam. 6 Slot size super 4 from 102 ft to 122 ft

Diam Slot size from ft to ft

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand

Materials paced from ft to ft

Surface Seal: ☑ Yes ☐ No To what depth? 18 ft

Material used in seal bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type H.P

WATER LEVELS: Land-surface elevation above mean sea level ft

Static level 70 ft below top of well Date 12/23/03

Artesian pressure lbs per square inch Date

Artesian water is controlled by (Cap, valve, etc)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 5 gal/min with 44 ft drawdown after 1 hrs

Airtest gal/min with stem set a ft for hrs

Artesian flow g p m Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
Topsoil & gravel	0	1
Brown clay & gravel	1	12
Gray clay sand & gravel	12	50
Gray silty clay & gravel	50	62
Gray silt	62	90
Gray silt & some water	90	110
Gray silt & water	110	122
Gray silty clay & water	122	140
Gray clay	140	160
Well located according to Skagit County Ordinance #12.48		

RECEIVED

JAN 0 2 2004

DEPT OF ECOLOGY

Start Date 12/22/03 Completed Date 12/23/03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Ralph Riggles

Driller/Engineer/Trainee Signature

Driller or trainee License No 2043

Drilling Company Dahlman Pump & Well Drilling, Inc.

Address P. O. Box 422 800 277-4898

City, State, Zip Burlington, WA 98233

Contractor's Registration No DAHLMPW123LC Date 12/23/03

If TRAINEE, Driller's Licensed No.

Driller's Signature

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 2/03)

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

(2)

WATER WELL REPORT

STATE OF WASHINGTON

BCP Start Card No. 039129

Water Right Permit No. Mt Vernon

(1) OWNER: Name Harold & Ann Wingerden Address 2151 Conway Hilldane

(2) LOCATION OF WELL: County Skagit NW¼ NW¼ Se 20 T 33 N., R 4 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address)

(3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 2

Abandoned ☐ New well ☑ Method: Dug ☑ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 36 inches. Drilled 13 + 2½ feet. Depth of completed well 13 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 36 " Diam. from 0 ft. to 13 ft.
Welded ☐ Liner installed ☐ Threaded ☐ " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☑ No ☐ Per file
Type of perforator used
SIZE of perforations 2 in. by 4 in.
perforations from 11 ft. to 13 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐ Screen in file
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☑ No ☐ Size of gravel #8
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 10½ ft.
Material used in seal Concrete
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 8 + 2 ft. below top of well Date 9/14/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☑ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 9/14/91
Bailer test 40 gal./min. with 5 ft. drawdown after 20 MIN hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Light Brown	0	1
Light Brown sand clay	1	8
Blue sand rock Hardpack	8	10
Blue sand water Bearing	10	11½
mushroom out to hold 700 Gallon Reservoir		
Blue clay to Hardpan	11½	13
well recover from Bail test at 1 GPM		

RECEIVED
SEP 23 1991
DEPT. OF ECOLOGY

Work started 9/12 19. Completed 9/14 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Dave Well Digging (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 22813 60th Ave W Mtlk
(Signed) (WELL DRILLER) License No. 1297
Contractor's Registration No. WDO905T Date 9/24/ 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

(3)

WATER WELL REPORT
STATE OF WASHINGTON

Application No 33/04-20C
Permit No

(1) OWNER: Name Larry Locken Address 1715 Hollydale Acres Mt. Vernon

(2) LOCATION OF WELL: County Skagit NE ¼ NW ¼ Sec. 20 T. 33 N., R. 4E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 110 ft. Depth of completed well 110 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +2 ft. to 102 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson 8
Type Stainless Steel Model No.
Diam. 3" Slot size 20 from 102 ft. to 110 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [X] No [ ] Size of gravel: F-16
Gravel placed from 95 ft. to 111 ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Puddeling Clay
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 10 ft. below top of well Date 6/8/87
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? D. Hayes
Yield: 2½ gal./min. with 80 ft. drawdown after 1 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Topsoil	0	1
Light brown dry sand	1	3
Brown dry fine sand & little clay	3	8
Brown sand -fine- & little gray clay - saturated	8	16
Gray fine sand & little clay - saturated	16	20
Soupy gray fine sand, little to no gravel & clay - little water	20	25
Liss soupy gray fine silt, little gravel & clay - little water	25	31
Soupy dark gray silt - super fine	31	36
Little cleaner soupy dark gray super fine silt	36	38
Light gray soft silt	38	40
Soupy Dark gray silt - very fine	40	48
Compacted layers of dark gray silt - very fine	48	58
Softer compacted layers of dark gray silt - very fine	58	60
Soupy dark gray silt	60	69
Soupy dark gray silt - cleaner	69	71½
Dark gray very fine sand & water	71½	78
Soupy dark gray silt	78	82
Compacted layers of dark gray silt - very fine - & water	82	97
Gray soupy clay	97	98½
Compacted layers of dark gray silt - very fine (silt less than 4/1000 inch) & water (approx. 40 gpm @ 109½')	98½	

JUN 17 1987

Work started 6/8, 19 87 Completed 6/8, 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Hayes Well Drilling & PUmps, Inc. (Person, firm, or corporation) (Type or print)

Address 1413 Colony Rd. Bow

[Signed] Steve Gilbert (Well Driller)

License No. 762 Date 6/15, 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 1 20

(4)

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

33-4-20

Start Card No. # 052580

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name Norm & Mary Coker Address 2159 Snowden Lane Mt Vernon wa 98274

(2) LOCATION OF WELL: County Skagit S 1/4 S 1/4 Sec 20 T. 33 N., R. 4 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) same

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 1

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 143 feet. Depth of completed well 143 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 6 " Diam. from +1 ft. to 143 ft.
Welded ☒
Liner Installed ☐ " Diam. from ft. to ft.
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type wirewound Model No.
Diam. 5 Slot size 030 from 138 ft. to 143 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal bentnite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name red jaket
Type: H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level
Static level 128 ft. below top of well Date 3-27-98
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 10 gal./min. with 0 ft. drawdown after 1 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
soil	0	3
hardpan	3	18
clay brown	18	57
hardpan	57	100
dry gravle	100	123
wet sand gravle	123	143

RECEIVED
APR 27 1998
WWRD-WR
DEPT OF ECOLOGY

Work Started 3-18-98 19. Completed 3-28- 19 98

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Ace Drilling & Pump service (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 14503 23 av NE Arlington

(Signed) Edward Countryman (WELL DRILLER) License No. 0597

Contractor's Registration No. ACEDRPS130N7 Date 3-30-98 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECL 050-1-20 (2/93)

ENTERED

RESOURCE PROTECTION WELL REPORT

33/4E/20M

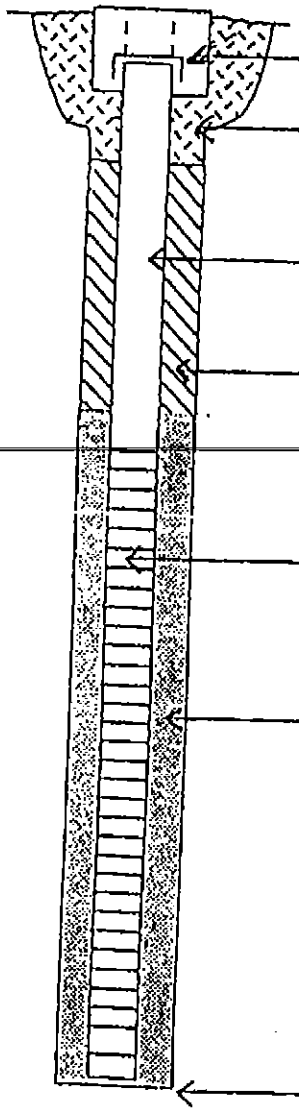
START CARD NO. R18922

PROJECT NAME: TEXACO #63-076-0004
WELL IDENTIFICATION NO. ABN 867
DRILLING METHOD: HSA
DRILLER: MICHAEL COLBERT
FIRM: Cascade Drilling, Inc.
SIGNATURE: [signature]
CONSULTING FIRM: BLAES ENVIRONMENTAL
REPRESENTATIVE: DAN BLAES

COUNTY: SKAGIT
LOCATION: SW¼ NW¼ Sec 20 Twn 33N R 4E
STREET ADDRESS OF WELL: 2153 CONWAY HILL RD. MT. VERNON
WATER LEVEL ELEVATION: 8
GROUND SURFACE ELEVATION: N/A
INSTALLED: Nov 5, 94
DEVELOPED: Yes

4525

AS-BUILT



WELL DATA

WELL COVER
CONCRETE SURFACE SEAL DEPTH = 1/ft
PVC BLANK 4 "x 4'
BACKFILL 2 ft.
TYPE: Bent. Chips
PVC SCREEN 4 "x 15'
SLOT SIZE: .020
GRAVEL PACK 16 ft.
MATERIAL: #3 sand
WELL DEPTH 19 ' "

FORMATION DESCRIPTION

0 - 3 ft.
Brown sandy gravels (fill)

3 - 12 ft.
grey silty clay

12 - 19 ft.
course grey sands w/some gravels

RECEIVED
NOV 22 1994
DEPT. OF ECOLOGY

SCALE: 1" = _____

PAGE _____ OF _____

ECY 050-12 (Rev. 11/09)

ENTERED

RESOURCE PROTECTION WELL REPORT 33/4E/20E

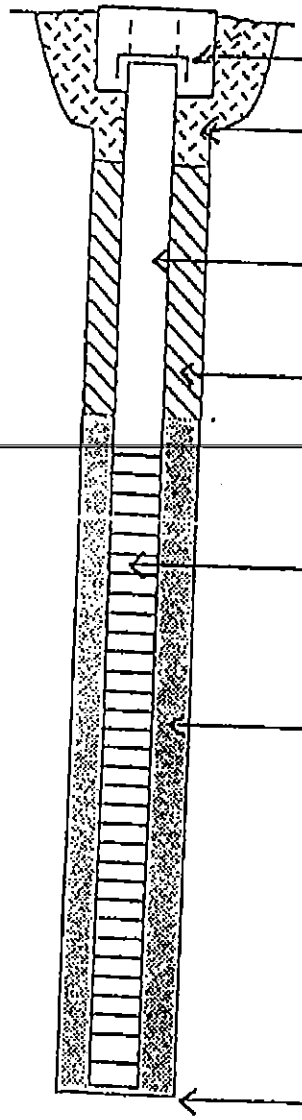
START CARD NO. R18922

PROJECT NAME: TEXACO #163-076-0004
WELL IDENTIFICATION NO. ABN 868
DRILLING METHOD: HSA
DRILLER: MICHAEL COLBERT
FIRM: Cascade Drilling, Inc.
SIGNATURE: [signature]
CONSULTING FIRM: BLAES ENVIRONMENTAL
REPRESENTATIVE: DAN BLAES

COUNTY: SKAGIT
LOCATION: SW¼ NW¼ Sec 20 Twn 33N R 4E
STREET ADDRESS OF WELL: 2153 CONWAY HILL RD. - MT. VERNON
WATER LEVEL ELEVATION: ?
GROUND SURFACE ELEVATION: N/A
INSTALLED: Nov. 5, 94
DEVELOPED: Yes

4525

AS-BUILT



WELL DATA

WELL COVER

CONCRETE SURFACE SEAL
DEPTH = 1/ft

PVC BLANK 4 "x 5'

BACKFILL 3 ft.
TYPE: Bent. Chips

PVC SCREEN 4 "x 15'
SLOT SIZE: .020

GRAVEL PACK 16 ft.
MATERIAL: #3 sand

WELL DEPTH 20'

FORMATION DESCRIPTION

0 - 5 ft.
Brown sandy gravels (Fill)

5 - 13 ft.
grey silty clay

13 - 20ft.
course grey sand w/some gravels

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SCALE: 1" = _____

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ECY 050-12 (Rev. 11/90)

The Department of Ecology does NOT warranty the data and/or the information on this Well Report.

ENTERED

RESOURCE PROTECTION WELL REPORT 33/4/20E

START CARD NO. R05482

PROJECT NAME: TESACO #63-076-0004
WELL IDENTIFICATION NO. ACD 007
DRILLING METHOD: HSA
DRILLER: Brent Malory
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: Hart Crowser & Assoc.
REPRESENTATIVE: Alan Wahl

COUNTY: SKAGIT
LOCATION SW¼ NW¼ Sec 20 Twn 33N R 4E
STREET ADDRESS OF WELL: 2153 Conway Hill Rd - Mt. Vernon
WATER LEVEL ELEVATION:
GROUND SURFACE ELEVATION: N/A
INSTALLED: 8-31-95
DEVELOPED:

5355

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER	0 - 3 ft. GRAVEL PACK / TOP SOIL
	CONCRETE SURFACE SEAL DEPTH = 2 ft	
	PVC BLANK 4 "x 4'	3 - 9 ft. SANDY GRAVEL
	BACKFILL 2 ft. TYPE: BENT CHIPS	
		9 - 20 ft. SATURATED GREY SANDY GRAVEL
	PVC SCREEN 4 "x 16' SLOT SIZE: .010	
	GRAVEL PACK 3 ft. MATERIAL: 2/12 LONESTAR	
	WELL DEPTH 20'	

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SCALE: 1" = _____ PAGE _____ OF _____

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