



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

January 4, 2006

Robin Berry
Graysmarsh L.L.C.
135 Holland Road
Sequim, WA 98382

Dear Ms Berry:

Re: Request for Granting Prior Approval for a Replacement Well under Water Right Certificate G2-27337

In response to your letter dated December 16, 2005, thank you for allowing the Department of Ecology (Ecology) to provide comments for a proposed replacement irrigation well (East Berry Field Well) under Ground Water Certificate G2-27337.

From the information you have provided, it appears that your proposed replacement well will likely be in compliance with RCW 90.44.100(3), based on the premise that it will be drilled in the same location: SE ¼ SE ¼ of Section 9, T. 30N, R. 03W.W.M. However, Ecology cannot grant prior approval that your replacement well will meet all of the requirements of RCW 90.44.100(3).

Ecology only accepts Showing of Compliance forms after replacement wells have been drilled. Therefore, we suggest you use the Showing of Compliance form as a guideline for determining the likelihood of compliance prior to drilling. Please note that a guideline of primary importance is that the new replacement well **must be within the same body of public groundwater** as the original well. From the construction and location information you have provided and other sources of hydrogeologic data, it is likely the proposed well, as described, will withdraw water from the same body of public groundwater as the original right.

The Showing of Compliance Form is a notarized affidavit that states that you have complied with the law regarding the replacement well. It and any supporting information you provide will be added to the water right file for Certificate G2-27337 and become part of the permanent record.

Please complete the Showing of Compliance form with appropriate signatures and attach all available supporting information including a copy of the well log for the new replacement well. Ecology staff will then review the well log and make a determination as to whether or not the replacement well appears to comply with the requirements of RCW 90.44.100(3). Ecology will send a correspondence letter to you regarding our determination.

Additionally, the replacement well must comply with the requirements of Chapter 18.104 RCW (Water Well Construction) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Wells).



Nothing in this correspondence should be construed by you as affirming the validity of any water right. Ecology is providing information as to whether or not the proposed replacement well appears to conform to the statutory mandates of RCW 90.44.100(3).

If you have any questions, please contact me at 360-407-0297 or email jope461@ecy.wa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Pearch". The signature is written in a cursive style with a large initial "J".

John Pearch, L.H.G.
Water Resources Program, SWRO

JP:th

Cc: Erick Miller, Aspect Consulting

Pearch, John

From: Erick W. Miller [emiller@aspectconsulting.com]
Sent: Friday, December 16, 2005 10:09 AM
To: Pearch, John
Cc: Berry, Robin; mcdot@perkinscoie.com
Subject: Graysmarsh EBFW replacement well

John - This email follows up on our phone conversation earlier this week. As I mentioned on the phone, Graysmarsh is currently in the process of going to bid on a replacement irrigation well. Under Ecology policy POL-1260 (Policy to Replace an Existing Well or to Add an Additional Well(s)), I understand Ecology will review information provided for a proposed replacement well, and will provide a response, that based on the information, it either does or does not appear that the proposed replacement well complies with the law (RCW 90.44.100(3)). This email requests a response, so that prior to spending the money on the new well, we know whether or not the transfer will be approved by Ecology .

Graysmarsh has an existing irrigation well (East Berry Field Well, WR Cert G2-27337) that has had chronic sanding problems. The well has undergone two rehabilitation efforts, but without success. The well is completed in the Unit 5 aquifer (referred to as the Lower Aquifer by Thomas and others, 1999). A log for this well is attached.

Graysmarsh is in the process of replacing the sanding well with a new well. To facilitate operations, the farm manager would like the replacement to be located approximately 600 ft south of the existing well. The attached map (unit3and5wells.pdf) shows the location of the existing and proposed wells. Elevation of both wells is approximately 100 ft. Both the existing and proposed well locations are in T30N; R03W; southeast quarter of the southeast quarter of Section 9.

A cross section from AESI, 1999 that includes the existing well is included as an attachment (Section A-A'.pdf and section location map.pdf). The well location map (Unit3and5.pdf) also shows wells completed in the Unit 3 and 5 aquifer that were identified within 1 mile of the proposed well site based on available information including Ecology well logs. The attached table (unit3and5wells.xls) lists the wells shown on this map. Unit 1 wells are not shown. Hydrogeology of the area is described in AESI (1999), Thomas and others (1999) and a groundwater model for the area is presented in Foster Wheeler, 2003. These documents include estimates of unit hydraulic parameters.

The new well will be drilled by a Washington state licensed driller and will meet the requirements of WAC 173-160. There are no immediate plans to decommission the existing well and it will be used for monitoring purposes.

Please let me know if you need any other specific information. I have quite a bit in my files.

Thanks for your assistance,

Erick W. Miller LHG
Sr. Associate Hydrogeologist
Aspect Consulting
179 Madrone Lane North
Bainbridge Island, WA 98110
Direct Line (206)-780-7715
Phone (206)-780-9370
Fax (206)-780-9438

WATER WELL REPORT

Application No. _____

STATE OF WASHINGTON START CARP Permit No. 012571

(1) OWNER: Name GRAY'S MARSH FARM'S 1339 Address Woodcock Rd Sequim, Wn 98382

LOCATION OF WELL: County Chatham - SE 1/4 SE 1/4 Sec 29 T30 N, R3W W.M.

Bearing and distance from section or subdivision corner: R01

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

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

(5) DIMENSIONS: Diameter of well 8 inches.
 Drilled 591 ft. Depth of completed well 581 ft.

(6) CONSTRUCTION DETAILS: Plus 1 ft Above Grade
 Casing installed: 8" Diam. from 0 ft. to 518 ft.
 Threaded 7" Diam. from 510 ft. to 548 ft.
 Welded 7" Diam. from 527.5" ft. to 541.9" 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 V. WIRC X 490 W
 Type 305 Stainless Steel Model No. _____
 Diam. 7 1/2 Slot size 0.01 from 548 ft. to 552 ft.
 Diam. 11 Slot size 0.16 from 561.9" ft. to 567 ft.

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

Surface seal: Yes No To what depth? 70 ft.
 Material used in seal Bestmixite + Cement
 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: _____ HP

(8) WATER LEVELS: Land-surface elevation above ft.
 Static level 79 ft. below top of well Date 8-17-88
 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? STOICAN
 Yield: gal./min. with _____ ft. drawdown after _____ hrs.
 " 195 " 241 " 6.15 min "

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
5:01	320	5:20	93	8:00	93.5"
5:28	190	5:40	86	Aug. 18 T.A.M. 7:55	
	113	6:00 PM	84	12:00 noon	79.1

 Date of test 8-17-88
 Sailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 46.5 Was a chemical analysis made? Yes No

(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
Brown Top Soil	0	3
BROWN FIRM Clay + GRAVEL	3	8
BROWN FIRM Clay + Sand	8	24
BROWN SAND + GRAVEL	24	86
BROWN Clay + Seams of GRAVEL	86	125
GRAY Muddy Sand + Some GRAVEL w/B	125	152
GRAY FIRM Clay + Seams of GRAVEL	152	259
GRAY FIRM Clay	259	304
GRAY Sand + GRAVEL w/B	304	310
GRAY Silty Clay	310	312
GRAY Coarse Sand w/B Loose	312	317
GRAY TILL	317	319
GRAY Coarse Sand w/B Loose	319	326
GRAY Gravelly Clay	326	327
GRAY HARD Clay	327	330
GRAY Gravelly Clay w/B Pur	330	332
GRAY Rocky Clay	332	360
GRAY Sticky Clay	360	414
GRAY HARD Clay (Crumbly)	414	423
GRAY Sticky Clay (Gravelly)	423	515
GRAY Gravelly Clay w/B	515	517
GRAY Sand + GRAVEL w/B STATE	517	522
GRAY Stratified Fine Sand w/B	522	527
GRAY Gravelly Clay	527	541
GRAY Gravelly Fine Sand w/B	541	543
GRAY Silty Gravelly Clay	543	544
GRAY Coarse w/B Sand (Good)	544	552
GRAY Gravelly Clay	552	557
GRAY Sand + GRAVEL w/B	557	561
GRAY Sand w/B	561	561
GRAY Sand + GRAVEL w/B	561	572
GRAY Cemented Sand + GRAVEL	572	573
GRAY Sand + GRAVEL w/B	573	577
GRAY Clay - Sandy	577	591
Water level - 79'		

Work started 4-21, 1988, Completed 8-17, 1988

WELL DRILLER'S STATEMENT:

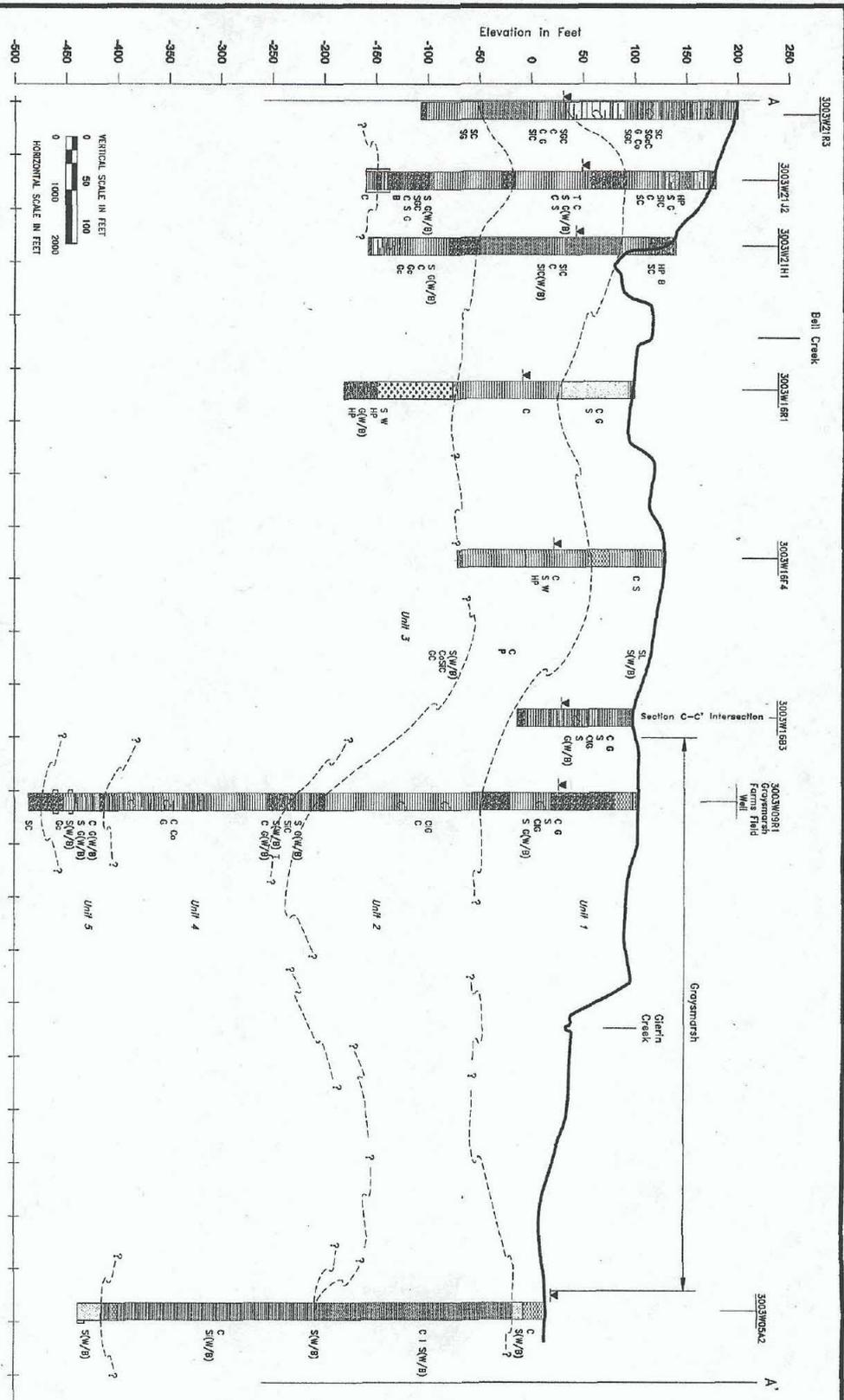
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STOICAN DRILLING & LTD
 (Person, firm, or corporation) (Type by print)

Address PO Box 161 Sequim, Wash 98382

[Signed] Valerie Stoican Secretary 0473
 (Well Driller)
Robert Latta 0868

Robert Stoican 1073 Date 8-29, 1988



- CHC = Clay with interbedded gravel
 SIC = Sand with interbedded clay, clay layers or seams
 SW = Sand with wood
 G = Gravel
 SL = Sandy loam
 P = Peat
 HP = Hard Pan
 SS = Sandstone
 W = Wood
 CCo = Clay with cobbles
 CCo = Cemented Coarsely Clay
 CS = Clay with interbedded silt
 Co = Cobble
 Gc = Cemented gravel
 SIC = Silty clay
 T = Till
 W = Wood
 C = Clay
 L = Loam
 Sh = Shells
 Cw = Clay with Wood
 B = Boulders
 SG = Sand and gravel
 S = Sand

Legend

- (W/B) = Water bearing
 C = Clay
 L = Loam
 Sh = Shells
 Cw = Clay with Wood
 B = Boulders
 SG = Sand and gravel
 S = Sand
 Green indicates Aquifer
 Blue indicates Aquifer
 Static Water Level Reported on Well
 Wall Seeps or Perched Zone



ASSOCIATED EARTH SCIENCES, INC.
 179 Madison Lane North
 Barboursville, VA 26031
 911 5th Avenue, Suite 100
 Kirkland, WA 98033
 (208) 786-5370
 (208) 786-5439
 (208) 827-2721
 (208) 827-4424

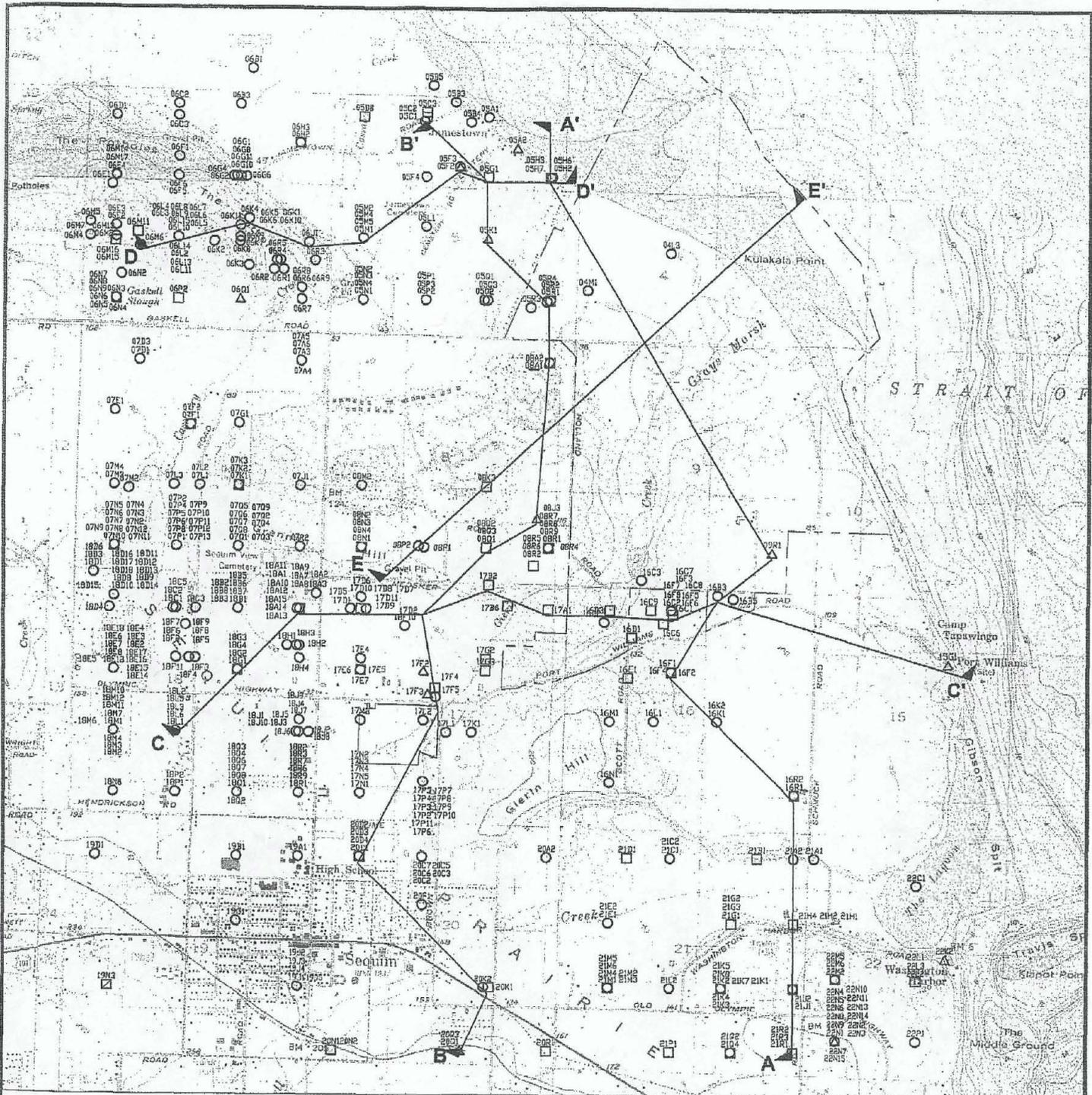
DESIGNED	F. W. M.
DRAWN	E. L. E.
CHECKED	E. W. M.
APPROVED	M. E. S.

GEOLOGIC CROSS SECTION A-A'
 Graymarsh Hydrogeologic Investigation

PROJECT NO.
 WB9628E
 DATE
 5.1.2



1:\Project_8\graymarsh\unit3and5wells.mxd



Legend

Producing Unit **A** **A'**

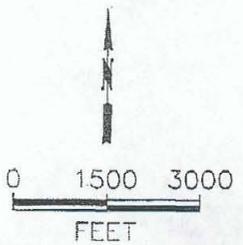
○ Unit 1 Geologic Cross Section

□ Unit 2

△ Unit 3 Graysmarsh Property

Notes:
 This figure does not present a complete inventory of all wells in the area shown. Wells shown were based on data sources discussed in section 5.0 of this report.

Refer to table A-1 for locational accuracy of wells.



179 Madrone Lane North
 Bainbridge Island, WA 98110 FAX: (206) 780-9370
 (206) 780-9438

911 5th Avenue, Suite 100
 Kirkland, WA 98033 FAX: (206) 827-7701
 (206) 827-5424

DESIGNED	E.W.M.
DRAWN	B.L.S.
CHECKED	E.W.M.
APPROVED	M.E.S.

Units 1, 3 and 5 Wells
 Graysmarsh Hydrogeologic Investigation

PROJECT NO.	WB9628E
FIGURE NO.	5.1.1

B19528E-05.dwg 11/07/99 ft

Unit 3 and 5 Wells within 1 mile Radius of Proposed East Berry Field Well 2

Graysmarsh
Sequim, WA

Well Number	Owner	Lat	Long	Easting	Northing	LatLongAcc	Hole Depth	Well Depth	mile	unit
3003W08J3	Stacy Stone	48.1	-123.08	493837	5327785	qq section	342	342	1	5
3003W08R1	Bill Souza	48.1	-123.08	493911.84	5327594	qq section	201	200	1	3
3003W08R10	John Price	48.1	-123.08	493912	5327593.99	qq section	262	255	1	3
3003W08R2	Paul Van Duesen	48.1	-123.08	493816	5327476	F	201	201	1	3
3003W08R3	Ron Mizanin	48.1	-123.08	493912	5327593.99	qq section	241	239	1	3
3003W08R5	Earl Livingston	48.1	-123.08	493911.84	5327593.82	qq section	200	197	1	3
3003W08R6	Ernie Anderson	48.1	-123.08	493911.84	5327593.82	qq section	162	161	1	3
3003W08R8	George Stares	48.1	-123.08	493911.84	5327593.82	S	160	158	1	3
3003W08R9	Theodore Gieger	48.1	-123.08	493911.84	5327593.82	qq section	160	157	1	3
3003W09R1	Graysmarsh (East Berry Field)	48.1033	-123.0641666	495222.87	5327564.78	gps	591	581	1	5
3003W10N1		48.1	-123.05	495925.81	5327557.96	qq section	310	310	1	3
3003W15D1	Larry Smith	48.09	-123.05	495940.02	5327176.34	qq section	213	213	1	3
3003W15G1	SEQUIM VALLEY (Coulter and Scott)	48.09	-123.04	496670	5326795	F	574	574	1	5
3003W16C1	R.C. Woodman	48.09	-123.07	494726	5327167	F	184	184	1	3
3003W16C10	Warren Goulding	48.09	-123.07	494716.99	5327190.99	qq section	222	219	1	3
3003W16C11	Ray Bartholomew	48.09	-123.07	494716.99	5327190.99	qq section	243	243	1	3
3003W16C12	James C Martin	48.09	-123.07	494716.99	5327190.99	qq section	201	201	1	3
3003W16C13	Vince McKeoun	48.09	-123.07	494716.99	5327190.99	qq section	172	172	1	3
3003W16C6	Kent Barbara Anderson	48.09	-123.07	494664	5327105	F	240	240	1	3
3003W16C7	Barbra M. Klink	48.09	-123.07	494716.52	5327191.48	qq section	250	247.2	1	3
3003W16C9	Sam Woods	48.09	-123.07	494581	5327191.48	T	200	198	1	3
3003W16D1	Harold Willey	48.09	-123.07	494457	5327012	T	152	152	1	3
3003W16D3	Chris Andrews	48.09	-123.07	494314.18	5327191.48	qq section	196	196	1	3
3003W16E1	John Willis	48.09	-123.07	494435	5326749	City of Sequim	220	220	1	3
3003W16F10	Earl Dormaier	48.09	-123.07	494717	5326788.99	qq section	215	215	1	3
3003W16F4	Art Rowe	48.09	-123.07	494716.52	5326789.13	qq section	201	194	1	3
3003W16K3	Joseph Lix	48.09	-123.06	495120.32	5326384.54	qq section	255	249	1	3
3003W16R1	Joe D. Lix	48.08	-123.06	495521.2	5325984.45	qq section	280	280	1	3
3003W17A1	Frank Roach	48.09	-123.08	493911.84	5327193	qq section	150	150	1	3
3003W17F2	Gregge Stone	48.09	-123.09	493107	5326788	0	320	300	>1	5
3003W17F3	City of Sequim (Port Williams Well 1)	48.09	-123.09	493135	5326639	City of Sequim	600	416	>1	5
3003W17F6	City of Sequim (Port Williams Well 2)	48.09	-123.09	493107	5326788	City of Sequim	379	379	>1	5
Notes on Table Construction and Well Accuracy:										
Well logs were downloaded from Ecology web site December 2005 and unit 3 and 5 wells identified; wells were also obtained from appendix A, USGS 99-4048 (Thomas and others).										
Wells were correlated to USGS locational data (USGS database obtained August 1997)										
USGS data base used the following locational accuracy codes: S=1 second; F= 5 seconds; T= 10 seconds M=1 minute										
Port Williams Well locations were obtained from information provided by City of Sequim.										
Stone and City of Sequim wells are outside 1 mile radius and are listed for reference.										
No locational information other than quarter quarter section were available for wells shown with qq section accuracy.										
EBFW and proposed EBFW stake were located using field grade GPS. Field locating of other wells was not performed by Aspect Consulting.										



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

September 20, 2006

Erick W. Miller, LHG, LEG
Aspect Consulting
179 Madrone Lane North
Bainbridge Island, WA 98110

Dear Mr. Miller:

Re: Showing of Compliance to Add Well 9 to Water Right Certificate No. G2-27337 for Graysmarsh, LLC

On September 15, 2006, the Department of Ecology received a Showing of Compliance form and supporting documentation to add a well to Water Right Certificate No. G2-27337. Based on my review of the information submitted, Well 9 appears to meet the requirements for statutory amendment of the above-referenced water right under RCW 90.44.100(3), and will be included as an authorized point of withdrawal under Certificate No. G2-27337.

Through this correspondence, the Department of Ecology is acknowledging receipt of a Showing of Compliance that appears to conform with the statutory mandates of RCW 90.44.100(3). However, because the validity of the underlying water right is not being affirmed, a superseding document will not be issued. The notarized statement and supporting documents will be placed in the water right file associated with Certificate No. G2-27337 as a permanent record.

If you have any questions, please call me at (360) 407-0279.

Sincerely,

Marie Peter
Water Resources Program

MP:th

*Tracked -
Microfilm*





DEPARTMENT OF ECOLOGY

RECEIVED
SEP 15 2006
Washington State
Department of Ecology

Showing of Compliance with RCW 90.44.100(3)

Water Right Certificate or Permit Number: G2-27337

Parcel tax identification number: 033009400000

Landowner(s) name: Graymarsh LLC

Part of complying with RCW 90.44.100(3) is for the project proponent to notify the Department of Ecology (Ecology) that the statutory criteria of RCW 90.44.100(3) have been satisfied. Please attach (to this document) the water well report for the additional or replacement wells and any additional information you have to support your affidavit.

Affidavit:

I, Erick W. Miller, do certify that I caused the well or wells described in the attached water well report to be drilled as additional or replacement wells for use under Water Right Number G2-27337. This notice and attached documents describe and support my assertion that the replacement or additional well or wells comply with RCW 90.44.100(3) (a-g) and RCW 90.44.100(4), specifically:

- a. The well taps the same body of public ground water as the original well or wells;
- b. If a replacement well is constructed, the use of the original well or wells has been discontinued and the original well or wells have been properly decommissioned as required under chapter 18.104 RCW;
- c. If a new additional well has been constructed, the original well or wells are continuing to be used, but the combined total withdrawal from the original and additional well or wells has not enlarged the right conveyed by the original water use permit or certificate;
- d. The construction and use of the well does not interfere with or impair water rights with an earlier date of priority than the water right or rights for the original well or wells;
- e. The replacement or additional well is located no closer than the original well to a well it might interfere with;
- f. The well or wells have been constructed in a manner approved by the department and in compliance with chapter 18.104 RCW and chapter 173-160 WAC; and
- g. The location of the replacement or new additional well or wells is the area described as the point of withdrawal in the original public notice published for the application for the water right for the well. Both the original well and the additional or replacement well or wells are located in (See Attached Certificate of (legal description).

Water Right)
SE 1/4, SE 1/4, Sect. 9, T30N, R3W EM

Therefore the well is in compliance with the requirements for a statutorily granted amendment to the water right permit or certificate.

I understand the acceptance of this affidavit, and any attachments, by the Department of Ecology shall not be construed as affirming the validity of any water right permit or certificate. The

responsibility to comply with RCW 90.44.100(3) is with the water right permit or certificate holder asserting an amendment pursuant to RCW 90.44.100(3).

Ernie W. Miller
Name

9-1-06
Date

Acknowledgement:

State of Washington
County of Kitsap

I certify that I know or have satisfactory evidence that Ernie W. Miller is the person who appeared before me, and said person acknowledged that (he/she) signed this affidavit and acknowledged it to be (his/her) free and voluntary act for the uses and purposes mentioned in the affidavit.

Dated: September 1, 2006



Ryan Lee Foster
(Signature)
Bainbridge
Residing in
Notary Public
Title
My appointment expires: 02-19-2007

If you have any questions please contact the Water Resources Section of the closest regional office. Please submit copies of new well logs and decommissioned well logs along with this completed and notarized form to the nearest regional office.

Northwest Regional Office
3190 - 160th Avenue SE
Bellevue, WA 98008-5452
(425) 649-7000; TDD (425) 649-4259

Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775
(360) 407-6300; TDD (360) 407-6306

Eastern Regional Office
N. 4601 Monroe, Suite 202
Spokane, WA 99205-1295
(509) 329-3529; TDD (509) 458-2055

Central Regional Office
15 W. Yakima Ave., Suite 200
Yakima, WA 98902-3452
(509) 575-2597; TDD (509) 454-7673

Vancouver Field Office
2108 Grand Boulevard
Vancouver, WA 98661-4622
(360) 690-7171; TDD (360) 690-7147

Nooksack Field Office
1204 Railroad Ave., Suite 200
Bellingham, WA 98225
(360) 738-6250; TDD (425) 649-4259



RECEIVED

SEP 05 2006

Washington State
Department of Ecology

September 1, 2006

John Pearch, L.H.G.
Hydrogeologist
Southwest Regional Office – Water Resources Program
Department of Ecology
Post Office Box 47775
Olympia, Washington 98504-7775

Re: Amendment of Water Right G2-27337
Project No. 960028-001-16

Dear Mr. Pearch:

Enclosed please find supporting documentation for amendment of Certificate of Water Right G2-27337 with an additional well per RCW 90.44.100(3). The old and new wells are referred to herein as Wells 8 and 9, respectively. These wells had previously been referred to as East Berry Field Wells 1 and 2. This submittal is made on behalf of Graysmarsh LLC.

The following comments are offered in support of affidavit requirements in the Showing of Compliance form:

- a. Both wells tap Unit 5 as identified by the USGS (Thomas et al., 1999). This conclusion is based on three observations:
 1. Static water level elevations in Wells 8 and 9 are similar (Installation Report).
 2. The regional sequence of aquifers (USGS units 1, 3 and 5) and aquitards (USGS units 2 and 4) was the same in both wells. Both Wells 8 and 9 are completed in the first aquifer underlying Unit 4.
 3. Well 8 responded strongly to pumping in Well 9 with a time lag of less than 10 minutes (see Installation Report).
- c. Well 8 is currently held in reserve and used for monitoring.
- d. There is no change in water usage that could impact other water rights.
- e. Wells 8 and 9 are located in quarter-quarter section 9R. The nearest identified wells completed in Unit 5 are in quarter-quarter sections 8J and 15G and located at least $\frac{3}{4}$ mile from the new Well 9. (See Figure 1 in Installation Report for well location map.)
- g. Well 9 is located approximately 600 feet south of Well 8. The new point of withdrawal is approximately 150 feet north and 1175 feet west of the southeast corner of Section 9.

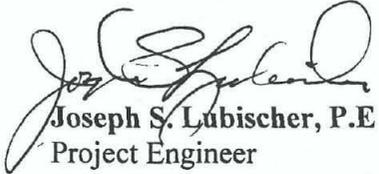
Department of Ecology
September 1, 2006

Project No. 960028-001-16

Please feel free to contact us, if you have any additional questions.

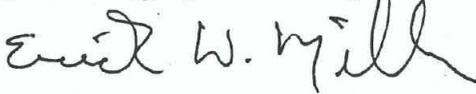
Sincerely,

Aspect consulting, LLC



Joseph S. Lubischer, P.E.
Project Engineer

jlubischer@aspectconsulting.com



Erick W. Miller, LHG, LEG
Senior Associate Hydrogeologist
emiller@aspectconsulting.com

Reference

Thomas, B.E., Goodman, L.A., and Olsen, T.D., 1999, Hydrogeologic Assessment of the Sequim-Dungeness Area, Clallam County, Washington, Water-Resources Investigations Report 99-4048, U.S. Geological Survey, Tacoma, WA, 165 p.

Attachments: Showing of Compliance with RCW 90.44.100(3)
Certificate of Water Right G2-27337
Graysmarsh Well 9 Installation Report

cc: Jessica Coyle, Graysmarsh LLC
Tom McDonald, Perkins Coie (w/o Report)

W:\Graysmarsh BH96028\East Berry Well Field\Well 9\Showing of Compliance Ltr.doc



TRANSMITTAL

Project No. 980028-001-7.3

RECEIVED

SEP 05 2006

September 1, 2006

Attn: John Pearch, L.H.G.
Hydrogeologist
Southwest Regional Office –
Water Resources Program
Department of Ecology
Post Office Box 47775
Olympia, WA 98504-7775

Re: Graysmarsh

Washington State
Department of Ecology

We are sending the following via:

- Regular Mail
- Express Mail
- Hand Deliver
- Overnight Delivery
- Courier
- Client Pickup

Qty	Description
1	Graysmarsh Well 9 Installation Report
1	Amendment of Water Right G2-27337 - Showing of Compliance letter

Remarks:

cc: Jessica Coyle, Graysmarsh, LLC
(2 copies – via mail)

Tom McDonald, Perkins Coie
(1 copy - Showing Compliance
Letter Only – via mail)

Sent by: Erick W. Miller, LHG, LEG

Senior Associate Hydrogeologist
emiller@aspectconsulting.com

W:\Graysmarsh BH98028\East Berry Well Field\Well 9\Well 9 Report LOT.doc

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PERMIT

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE May 10, 1988	APPLICATION NUMBER G 2-27337	PERMIT NUMBER G 2-27337 P	CERTIFICATE NUMBER
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NAME
Graysmarsh Farm, Inc.

ADDRESS (STREET) CITY STATE ZIP CODE
1339 Woodcock Road Sequim Washington 98382

The applicant is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
A well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	200	108 80

QUANTITY, TYPE OF USE, PERIOD OF USE
108 acre-feet per year irrigation of 50 acres May 1 to October 1

80 40 as per P.A.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
750 feet North and 1175 feet West of the Southeast corner of Section 9.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SE¼SE¼	SECTION 9	TOWNSHIP N. 30	RANGE, (E. OR W.) W.M. 3W	W.R.L.A. 18	COUNTY Clallam
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RECORDED PLATTED PROPERTY

LOT BLOCK OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The West (20) acres of the SE¼SE¼ of Section 9, T. 30 N., R. 3 W.W.M. and the SW¼SE¼ of Section 9, T. 30 N., R. 3 W.W.M., Clallam County, Washington.



DESCRIPTION OF PROPOSED WORKS

A 8 inch diameter drilled well having a depth of 581 feet below land surface. A well log is on file.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE: Started	COMPLETE PROJECT BY THIS DATE: April 1, 1990 4-1-91 4/1/92	WATER PUT TO FULL USE BY THIS DATE: April 1, 1991
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PROVISIONS

"The total annual quantity shall be limited to 100 acre-feet per year under this authorization, less any amounts obtained from the Sequim Prairie Ditch Company for irrigation of these same lands."

This authorization to use public waters of the state is classified as a Family Farm Permit in accordance with Chapter 90.66 RCW (Initiative Measure No. 59). This means the land being irrigated under this authorization shall comply with the following definition: Family Farm a geographic area including not more than 2,000 acres of irrigated agricultural lands, whether contiguous or noncontiguous, the controlling interest in which is held by a person having a controlling interest in not more than 2,000 acres of irrigated agricultural lands in the State of Washington which are irrigated under water rights acquired after December 8, 1977. Furthermore, the land being irrigated under this authorization must continue to conform to the definition of a family farm.

Water users should understand that quantities recommended and the number of acres to be irrigated may be reduced at the time of issuance of a final water right commensurate with the capacity of the installed system and the number of acres actually irrigated.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Issuance of this permit was based on sufficient waters available, at least during portions of the year. However, it is pointed out to the permittee that his use of the water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

In all cases, applicants are urged to locate their wells as far inland as is reasonable because of the uncertainty of the amount of seawater intrusion that may be experienced in the future.

When the chloride concentration exceeds 250 mg/L, the withdrawal rate shall be reduced or the pump setting raised to reduce the chloride level to below 250 mg/L.

The access port shall be maintained at all times on the well (s).

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Olympia Washington, this 18 day of May, 19 89.

Christine O. Gregoire, Director
Department of Ecology

ENGINEERING DATA

[Signature]

by *[Signature]*
Gary E. Hanson, Water Resources Supervisor

Jimmy Come Lately GAZETTE July 13, 1988

Public Notices

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS

TAKE NOTICE:
That W.G. Road/Graysmarsh Farm, Inc. of Sequim, Washington on May 10, 1988 under Application No. G2-27337 filed for permit to appropriate public waters, subject to existing rights, from a well in the amount of 200 gallons per minute as needed each year, for irrigation during the irrigation season. The source of the proposed appropriation is located within SE 1/4 of Section 9, Township 30 N., Range 3 W.W.M., in Clallam County.
Protests or objections to approval of this application must include a detailed statement of the basis for objections; protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address shown below, within thirty (30) days from July 20, 1988.

DEPARTMENT OF ECOLOGY
7272 Chocomaier Lane, N.E.
Olympia, WA 98504-6911
Published in the Jimmy Come Lately Gazette
7-13-88, 7-20-88

ad for
SE 1/4 SE 1/4 Sect 9
T30 N, R3 WWM

*Affidavit OK
V.W.
12-1-88*

RECEIVED
DEC -1 AM 11:46
88

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

WATER WELL REPORT

Application No.

STATE OF WASHINGTON *START CARP* Permit No **012571**

(1) OWNER: Name **GRAY'S MARSA FARM'S 1388** Address **Woodcock Rd. Sequim, WA 98282**

(2) LOCATION OF WELL: County **Chapman** - **SE 1/4 SE 1/4 Sec 9 T30 N. R.3W W.M.**

Bearing and distance from section or subdivision corner

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

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well Method: Dig Bored
Deepened Cable Driven
Reconditioned **DIA** Rotary Jetted

(5) DIMENSIONS: Diameter of well **8** inches
Drilled **591** ft. Depth of completed well **581** ft.

(6) CONSTRUCTION DETAILS: **Plus 1 Fiberglass Casing**

Casing installed: **8"** Diam. from **0** ft. to **518** ft.
Threaded **7"** Diam. from **510** ft. to **578** ft.
Welded **7"** Diam. from **574** ft. to **581** 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 V. W.R.C.**
Type **305 Stainless Steel** Model No.
Diam. **7 1/2** Slot size **0.075** from **578** ft. to **572** ft.
Diam. **11** Slot size **0.16** from **567** ft. to **567** ft.

Screens: Yes No
Manufacturer's Name **Johnson V. W.R.C.**
Type **305 Stainless Steel** Model No.
Diam. **7 1/2** Slot size **0.30** from **567** ft. to **571** ft.
Diam. **7 1/2** Slot size **0.60** from **571** ft. to **572** ft.
17 **0.80** **573** **577**

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

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

(8) WATER LEVELS: Land surface elevation **894** ft. above mean sea level
Static level **79** ft. below top of well Date **8-17-88**
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? **Stroman**
Yield: gal./min with ft drawdown after hrs
..... **195** **241** **6.15 min**

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
SDI	320	510	93	8:25	51
SDI	190	540	86	Aug. 18 7 AM-7:25	
570	113	6 PM	84	11:00 AM	79'

Date of test **8-17-88**
Batter test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water **76.5** Was a chemical analysis made? Yes No

(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
Brown Top Soil	0	3
Brown Firm Clay + Gravel	3	8
Brown Firm Clay + Sand	8	24
Brown Sand + Gravel	24	86
Brown Clay + Seams of Gravel	86	135
Gray Muddy Sand + Some Gravel w/B	135	152
Gray Fine Clay + Seams of Gravel	152	257
Gray Firm Clay	257	307
Gray Sand + Gravel w/B	307	310
Gray Silty Clay	310	312
Gray Course Sand w/B Zone	312	317
Gray Till	317	319
Gray Course Sand w/B Zone	319	326
Gray Gravelly Clay	326	327
Gray Hard Clay	327	330
Gray Gravelly Clay w/B Pur	330	332
Gray Rocky Clay	332	360
Gray Silty Clay	360	414
Gray Hard Clay Chumbling	414	423
Gray Sticky Clay (Gravelly)	423	515
Gray Gravelly Clay w/B	515	517
Gray Sand + Gravel w/B Slater	517	522
Gray Stratified Fine Sand w/B	522	527
Gray Gravelly Clay	527	541
Gray Gravelly Fine Sand w/B	541	543
Gray Silty Gravelly Clay	543	544
Gray Course w/B Sand (Blood)	544	552
Gray Gravelly Clay	552	557
Gray Sand + Gravel w/B	557	561
Gray Sand w/B	561	572
Gray Cemented Sand + Gravel	572	573
Gray Sand + Gravel w/B	573	577
Gray Clay - Sand	577	581
Water level - 79'		

Work started **4-21** 19**88** Completed **8-17** 19**88**

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 **Stroman Drilling Co. Inc.** (Type or print)
Address **P.O. Box 161 Sequim, Wash 98282**

[Signed] **Uelien Stroman Secretary 0473**
Robert Miller 0868 (Well Driller)
Robert Miller 1073 Date **8-29** 19**88**

(USE ADDITIONAL SHEETS IF NECESSARY)