Downs SP-12-00007

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WATER WELL REPORT

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

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Construction/Decommission *("x" in circle)*

○ Construction

○ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT Notice of Intent No. W361157

Unique Ecology Well ID Tag No. APG 121

Water Right Permit No. _____

Property Owner Name Milton Downs

Well Street Address Teanaway road

City Cle Elum County Kittitas

Location SW 1/4-1/4 NW 1/4 Sec 4 Twn 20 R 16 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. 20-16-14 000001S / 394935

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 *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 400 ft. Depth of completed well 400 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8 " Diam. from +3 ft. to 24 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 _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

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

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 24 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 +3 ft. below top of well Date _____

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by Seal, valve (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
	Approx	5 to 6	8pm		

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow 3 gpt per min g.p.m. Date _____

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

CONSTRUCTION OR DECOMMISSION 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. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
topsoil Br. m	0	7
sand grav mtl	7	12
Clay m	12	13
Sandstone mtl	13	42
Sandstone Clay Shale Br mtl	42	52
Sandstone gray mtl	52	65
Sandstone lite gray mtl	65	67
sandstone d.gray mtl	67	74
Sandstone gray-white mtl	74	86
Sandstone wh. mtl	86	89
Sandstone Clay Bl. m	89	105
Sandstone clay Blue mtl	105	108
Sandstone Clay Shale Bl. m	108	117
Sandstone clay Bl gr. mtl	117	143
Sandstone ltgray to white mtl	143	181
Sandstone Blue mtl	181	187
Sandstone clay Bl. mtl	187	196
Sandstone d.gray mtl	196	207
Sandstone Bl.gray mtl	207	215
Sandstone w pebble grav w. mtl	215	226
Sandstone + Clay Bl. mtl	226	228
sandstone gray mtl	228	235
Sandstone + Clay Bl mtl	235	241
Sandstone Clay gray mtl	241	247
Sandstone Blue mtl	247	251
Sandstone d.gray mtl	251	255
Sandstone Clay Bl. mtl	255	261
Sandstone clay gray mtl	261	265
sandstone gray mtl	265	267
Sandstone wh. mtl	267	283
Sandstone Pebble grav w mtl	283	291

Start Date 1/28/2014 Completed Date 2/11/2014

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) Steve Mills

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 1335

Drilling Company Water Man Well Drilling LLC

Address P.O. Box 246

City, State, Zip Selah Wa 98942

Contractor's Registration No. WATERMW942CF Date 2/15/2014

If TRAINEE,

Driller's Licensed No. _____

Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

Dawn SP-12-0007 cont. Page 2 of 2 2/3

WATER WELL REPORT

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WASHINGTON STATE DEPARTMENT OF ECOLOGY

Construction/Decommission *("x" in circle)*

○ Construction

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CURRENT
Notice of Intent No. W361157
Unique Ecology Well ID Tag No. APG 121
Water Right Permit No. _____
Property Owner Name Milton Downs
Well Street Address Teanaway road.
City Cle Elum County Kittitas
Location SW 1/4 NW Sec 14 Twn 20 R 16 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. 20/14 0000015/394935

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

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Depth of completed well 400 ft.

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

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Type _____ Model No. _____
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Type: _____ H.P. _____

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Artesian water is controlled by Seal Valve (cap, valve, etc.)

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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
		Approx 5 to 6 gpm			

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow Approx 3 gpm g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

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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. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Clay Shale Sandstone? Bl mH	291	296
Sandstone Bl. mH	296	301
Sandstone gray mH	301	305
Sandstone gravelly White mH	305	343
Sandstone Wh. mH	343	405

Start Date 1/28/2014 Completed Date 2/11/2014

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☒ Driller ☐ Engineer ☐ Trainee Name (Print) Steve Mills
Driller/Engineer/Trainee Signature Steve Mills
Driller or trainee License No. 1335

Drilling Company Water Man Well Drilling Inc
Address P.O. Box 246
City, State, Zip Selah Wa 98942
Contractor's Registration No. WATERMW942QA 2/15/201

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

Valley Lab Downs SP-12-00007

VALLEY Environmental Laboratory

Washington State Certified Lab #153 - DOE Accredited Lab C345

Nitrate/Bacteria Pkg

Date Collected: 03/10/14	
Lab/Sample No: 153-31027	County: Kittitas
Sample Location: Well	
	Date Received: 03/10/14
	Date Reported: 03/12/14
	Sample Collected By: Steve Mills
Send Report To:	SAMPLE COMMENTS Matrix: Water
Waterman Well Drilling P.O. Box 246 Selah, WA 98942	APG 121 Teanaway Cle Elum

Nitrate/Bacteria Pkg

DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Anal
20	Nitrate as N	ND	mg/L	0.5	5	10	SM-4500-NO3 D	03/10/14	JAH
	BACTERIA TEST RESULTS								
	Total Coliforms	Absent	P/A	1			SM 9223D	03/10/14	JAH
	E. coli	Absent	P/A	1			SM 9223B	03/10/14	JAH

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (MDL<MRL<SRL).

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By: