

Page 1

A. GENERAL INFORMATION

Exam Date: 5/16/2012

1. Current Owner: US ARMY CORPS OF ENGINEERS
WALLA WALLA DISTRICT
201 N 3RD
WALLA WALLA WA 99362
(509)527-7623
2. Accompanied by: Doug Weldy
Phone No: (509)540-6529 Email: douglas.m.weldy@usace.army.mil
Address: 100 Fair St., Clarkston, WA 99403-1943
Relationship to Permit Holder: engineer in charge of this system
Another Contact is: Nancy Herres nancy.j.herres@usace.army.mil

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| GROUND WATER | |

1. Other water rights with the same place of use: 3-7020 irrigation of 45.5 acres (same acres, to prevent enlargement)
2. Other water rights with the same point of diversion: None. 37-7020 Snake River source POD is on the same camp ground space number 79 (south west end of the park).

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L3 NE1/4NW1/4 Sec. 26, Twp 35N, Rge 06W, B.M. NEZ PERCE County

Method of Determination: Arc Map 2009, and Garmin GPS map 76S

- 2.

PLACE OF USE: IRRIGATION

[illegible]

Total Acres: 45.5

***Some acres had to be manually added, since POU is along the river's edge, and Arc Map does not include them. The exact same POU shapefile for 3-7020 was used for water right 85-15695, **since it is a supplemental source, and to prevent enlargement.**

Method of Determination: Arc Map 2009, and Garmin GPS map 76S

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
C0057304	turbine	US Electrical Motors	75 HP	S-02-2008791-0001	R001, model #7220-BEP 6 inch discharge

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurements:

At the time of the field examination, a physical measurement was taken off of various Toro super 800 pop-up nozzles that were running at the same time on the system. 134-nozzles were running at the same time, with 58 psi at the bottom, and 30 psi at the top; 44 psi average. Due to the numerous varieties of nozzles, a Toro super 800 pop-up nozzle fact sheet is attached to the field exam, which indicates the nozzle range of each type from 3.0 gpm to 9 gpm. If all nozzles were of one type, instead of an undetermined mixed sizes of nozzles, the range would be with 3gpm (0.89 cfs) to 9 gpm (2.68 cfs).

Pictures were taken on the well lot, but prior to setting up the polysonic, the pump kicked off, requiring the engineers and maintenance crew to be called onsite. The well was off-line for the rest of the day, and I had other field examinations scheduled out of the area later that day and the next. For this reason, the following measurement and calculations were used for recommendation purposes:

- (1) Well Driller Report Pump Test: 480 gpm X 0.00223 = 1.07 cfs
- (2) Theoretical: $(8.8 \times 7.5 \text{ Hp} \times 0.7 \text{ eff}) / [37 \text{ ft lift} + (79 \text{ psi} \times 2.31)] = 2.10 \text{ cfs}$
- (3) Tiger Mag FM656 Flow Meter: 558.0 gpm X 0.00223 = 1.24 cfs
- (4) Pump Records Submitted: 480 gpm X 0.00223 = 1.07 cfs
- (5) Toro Super 800 pop-up nozzles range of 0.89 cfs to 2.68 cfs (not accurate, since undetermined mixed sizes)
- (6) 45.5 acres X 0.02 cfs = 0.91 cfs

RECOMMEND: 0.91 cfs for the same 45.5 acres as 3-7030, since this source is a supplemental source, and to prevent enlargement. (Additional acres found will require an application for permit to be filed on them.)

E. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (45.5 \text{ Acres Irrigated}) \times (4.0 \text{ Irrigation Requirement}) = 182.0 \text{ af}$$

$$V_{D.R.} = [0.91 \text{ Diversion Rate (cfs)}] \times (289 \text{ Days in Irrigation season}) \times 1.9835 = 521.6 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 182.0 \text{ af}$$

***Since the groundwater is supplemental, total annual volume will not be listed on the license, but instead we rely on conditions to limit the volume.

F. NARRATIVE/REMARKS/COMMENTS

At the time of the field examination, physical measurements were taken from different locations on the 134 Toro super 800 pop-up nozzles (mixed sizes). At the top the system ran at 30 psi, at the bottom 58 psi, with an average of 44 psi. If all nozzles were of one type, instead of an undetermined mixed sizes of nozzles, the range would be with 3gpm (0.89 cfs) to 9 gpm (2.68 cfs). The common name for the POU is Hells Gate State Park. The well lot is located at space number 79 (at the south end of the park). I had enough time to take pictures, before the pump shut down requiring the engineer and maintenance crew to be called (the system was off-line for the rest of the day, which meant a physical measurement from the polysonic could not be completed). The system consists of a groundwater source, D0057304, 12 inch casing, 266 ft deep, 14 ft static, drilled 12/1/2009 by Chester Enterprises. There is a 75 Hp turbine US Electrical Motor variable pump, ID No. S-02-20087591-0001 R001, model number 7220-BEP. A 6 inch discharge that reduces to 4 inch ductile iron, then 4 inch buried PVC, reducing to 1 inch PVC to the Toro super 800 pop-up nozzles. On the well lot, there is a concrete collection box with a grid over the top that was used for the surface water intake from the Snake River. Due to silt problems the pump had been pulled.

A copy of an application for permit and instructions will be mailed out with the license, for the additional new acres that are irrigated, but were not on the POU for 3-7020, that were shown to be irrigated with the groundwater source. These new acres cannot be included with the supplemental water right no. 85-15695, or it would be an enlargement.

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	02/15 to 11/30	0.91 CFS	182.0 AF
<u>Totals:</u>		0.91 CFS	

***Since the groundwater is supplemental, total volume is not listed, but instead we rely on conditions on the license to limit the volume.

2. Recommended Amendments

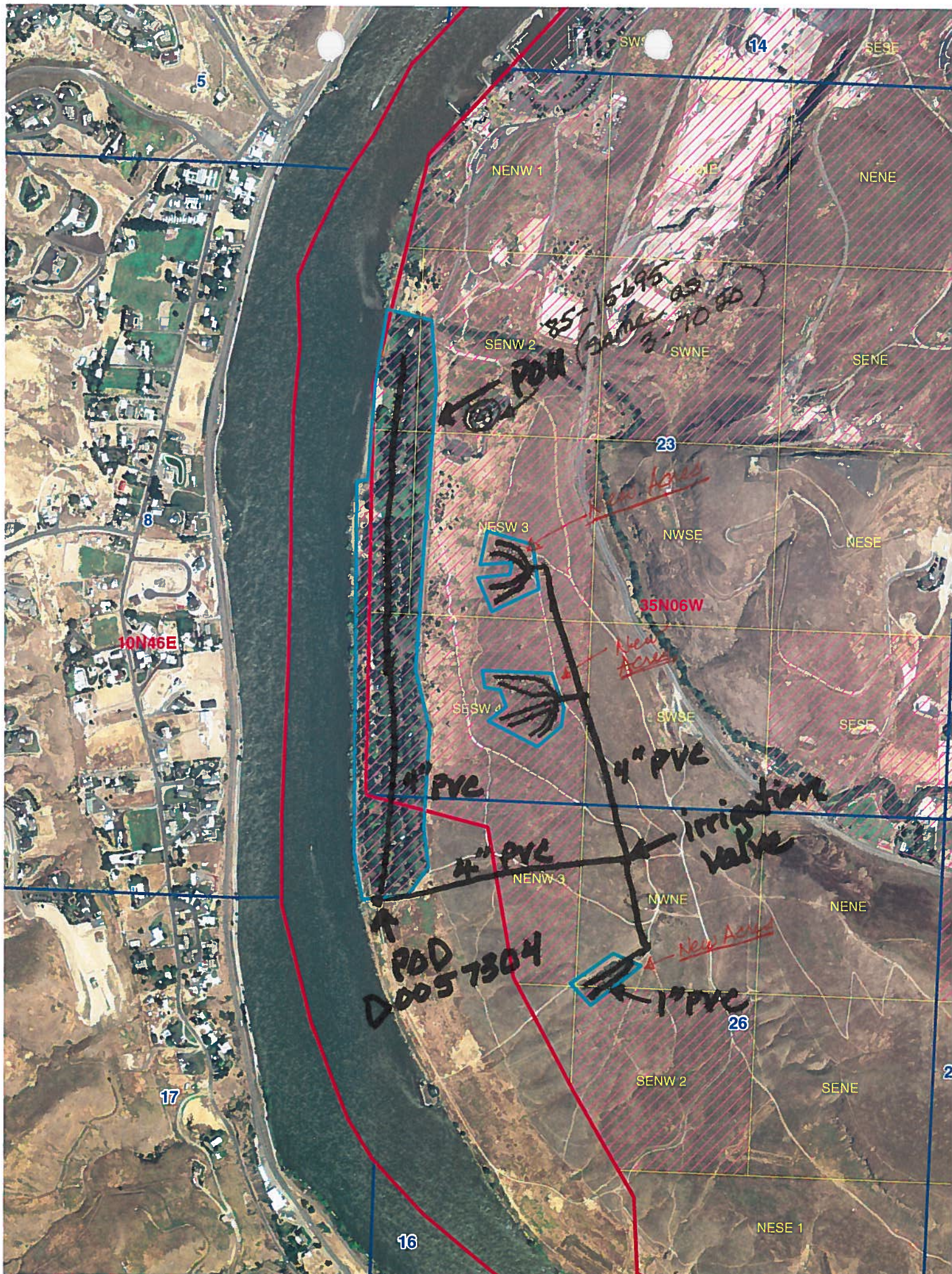
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name

Sandy Hemmerway Date 12/27/2012



85-15695 U.S. Army Corps of Engineers S. Hemen



P04

P01

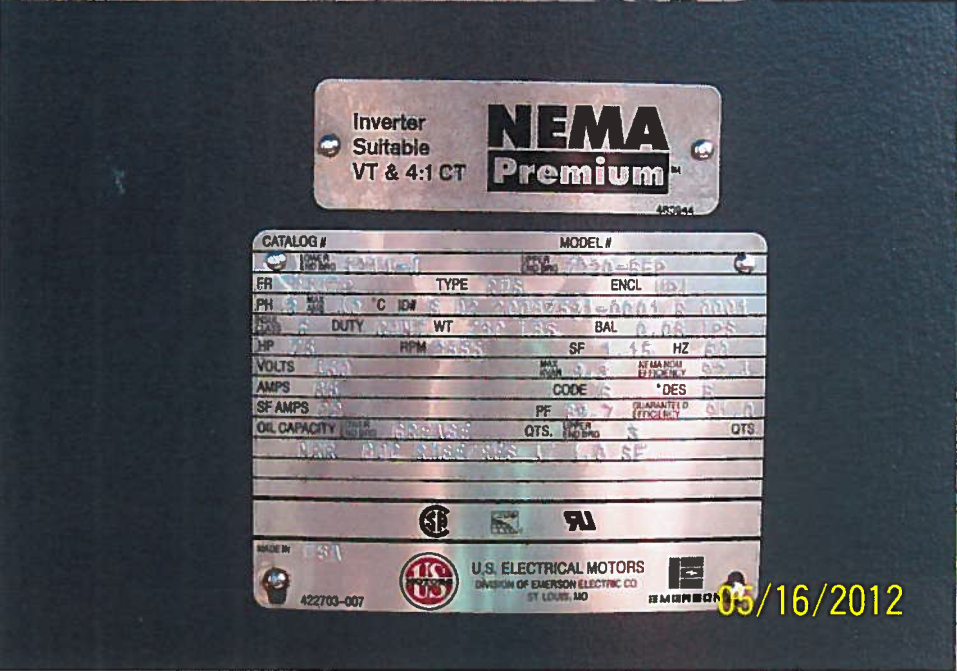
85-15695 US Army Corps of Engineering S. Hernandez



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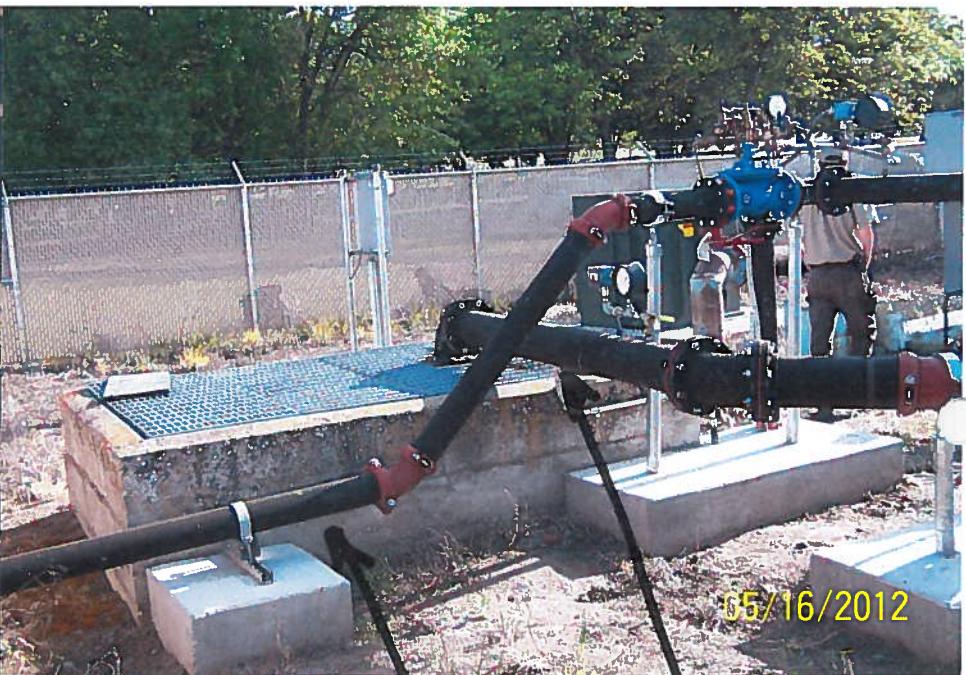


05/16/2012

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85-15695 US Army Corps of Engineers S. Hernandez



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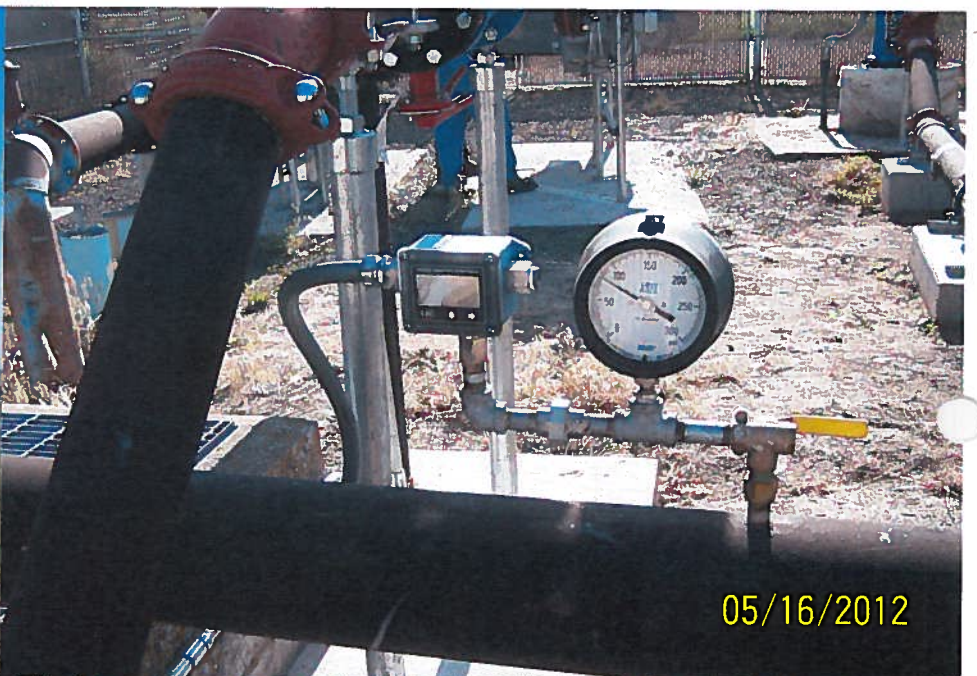
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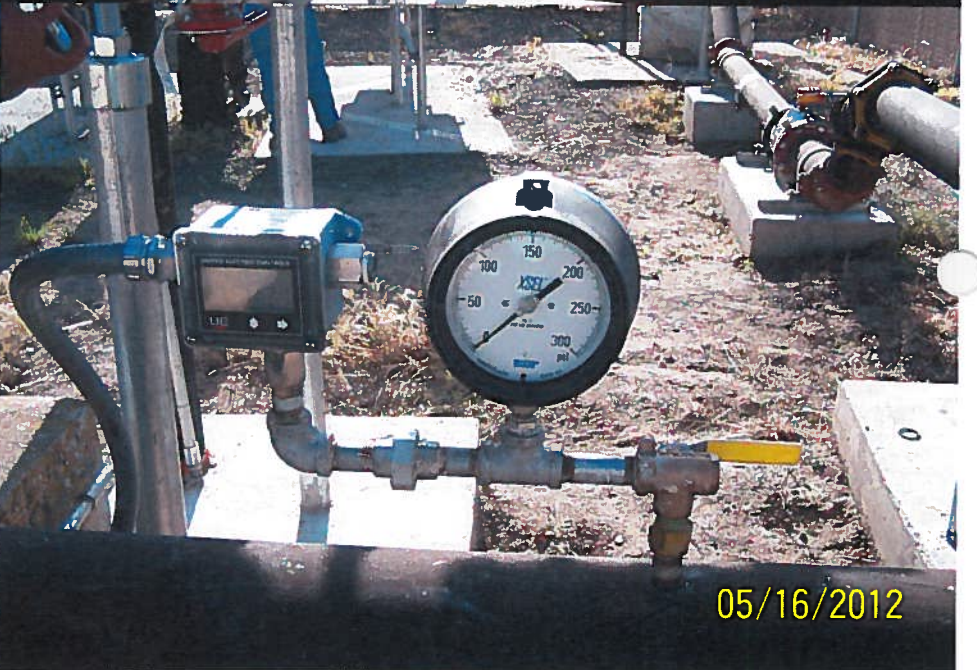
05/16/2012



05/16/2012



05/16/2012



05/16/2012

85-15695 US Army Corps of Engineers S. Hernandez



Concrete box on top of hill containing booster pumps (no longer used since the 75HP pump was installed).



Additional new acres
POU

On top of the hill, overlooking the park below.

85-15695 US Army Corps of Engineers

S. Hemminger

TORO.**Count on it.**

Super 800 Series

20 mm (3/4") Rotor

With an impressive feature set, Super 800 provides versatility, ease of adjustment and trouble-free operation. It is an ideal choice for residential and light-commercial applications.

Super 800 enables flexibility with a standard nozzle tree and part- and full-circle arc in one sprinkler. Its unique top arc indicator and radius adjustment screw provides quick, uncomplicated arc setting and radius adjustment.

Visible arc indication from the top of sprinkler



Infinite arc adjustment from 40° to 360°

Dry pull-up slot

Radius adjustment screw



Toro Super 800 Series Sprinkler

Radius: 9,7m–15,2m (28'–50')

Features

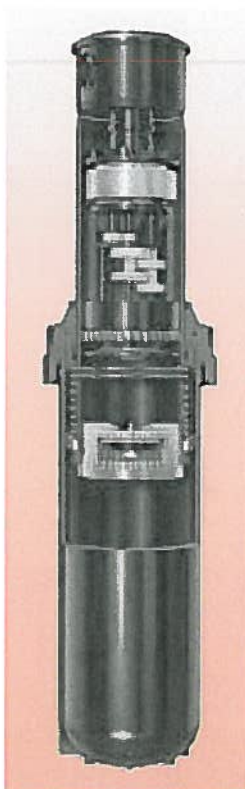
- 127 mm (5") pop-up to clear tall grasses
- Top arc indication for adjustments from 40° to 360°
- Part- and full-circle arcs in one sprinkler
- Smart Arc™ memory returns sprinkler to previously set arc if vandalized
- Continuous unidirectional rotation provides uniform coverage when set at 360°
- Stainless-steel radius adjustment screw allows up to 25% reduction
- Pressure activated seal and robust trip mechanism for enhanced reliability
- Standard rubber cover for safety
- Standard check valve maintains up to 2,4m (8') of elevation change
- Three-year warranty

Specifications

- Radius: 9,7m–15,2m (28'–50')
- Flow rate: 1,8–37,8 LPM (0.5–10 GPM)
- Trajectory: 26°
- Recommended operating pressure range: 2,0–4,7 Bar (30–70 psi)
- Optimum operating pressure: 3,5 Bar (50 psi)
- 20mm (3/4") threaded NPT/BSP inlet
- Dimensions:
 - Pop-up to nozzle: 127mm (5")
 - Base diameter: 73mm (2.9")
 - Height: 193mm (7.6")

Note: Specifications subject to change without notice.

For more product and warranty information, contact your local Toro distributor.



Super 800 Performance Data—Metric

Nozzle	Bar	LPM	Radius
0.5	2.0	1.9	8.5
	3.0	2.3	8.8
	3.5	2.7	8.8
	4.0	3.0	9.1
0.75	2.0	2.7	8.8
	3.0	3.0	9.1
	3.5	3.4	9.4
	4.0	3.8	9.8
1.0	2.0	4.9	9.8
	3.0	5.7	10.1
	3.5	6.1	10.4
	4.0	6.8	10.7
2.0	2.0	9.1	11.3
	3.0	9.5	12.2
	3.5	11.4	12.8
	4.0	12.5	13.1
2.5	2.0	9.5	11.6
	3.0	10.6	11.9
	3.5	12.1	12.2
	4.0	13.2	12.5
3.0	2.0	12.5	11.6
	3.0	15.9	11.9
	3.5	17.4	12.5
	4.0	18.9	12.8
4.0	2.0	16.7	13.1
	3.0	19.3	14.3
	3.5	21.2	14.0
	4.0	22.3	14.9
6.0	2.0	22.3	13.7
	3.0	22.7	14.0
	3.5	23.9	14.6
	4.0	25.4	14.9
8.0	2.0	30.3	17.8
	3.0	32.1	13.7
	3.5	35.6	14.9
	4.0	37.9	15.3

Radius shown in meters.

Super 800 Performance Data—U.S.

Nozzle	psi	GPM	Radius
0.5	30	0.5	28'
	40	0.6	29'
	50	0.7	29'
	60	0.8	30'
0.75	30	0.7	29'
	40	0.8	30'
	50	0.9	31'
	60	1.0	32'
1.0	30	1.3	32'
	40	1.5	33'
	50	1.6	34'
	60	1.8	35'
2.0	30	2.4	37'
	40	2.5	40'
	50	3.0	42'
	60	3.3	43'
2.5	30	2.5	38'
	40	2.8	39'
	50	3.2	40'
	60	3.5	41'
3.0	30	3.6	38'
	40	4.2	39'
	50	4.6	41'
	60	5.0	42'
4.0	30	4.4	43'
	40	5.1	44'
	50	5.6	46'
	60	5.9	49'
6.0	30	5.9	45'
	40	6.0	46'
	50	6.3	48'
	60	7.6	49'
8.0	30	8.0	42'
	40	8.5	45'
	50	9.5	49'
	60	10.0	50'

Radius shown in feet.

* 134 mixed sizes of nozzle run at 1 time
 38 psi @ bottom, 30 psi @ top; 44 psi average



Specifying Information

S800 CK X		
Description	Standard	Optional
S800 - Super 800 Sprinkler	CK - Check-O-Matic	E - Effluent
For Example: A Super 800 Series Sprinkler with check valve included, would be specified as:		
S800CK		

TORO.

Count on it.

Worldwide Headquarters
 The Toro Company
 8111 Lyndale Avenue South
 Bloomington, MN 55420
 Phone: 952-888-8801
 Fax: 952-887-7265
 www.toro.com

GB Form Number: 200-2196

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IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 005734

Drilling Permit No. 878002

Water right or injection well # 6037951

2. OWNER

Name United States Army Corps of Engineers

Address 261 N. 3rd

City Laurel, Idaho State ID Zip 83042

3. WELL LOCATION

Twp 2N North ☒ or South ☐ Rge 2E East ☐ or West ☒

Sec 36 T12N R2E S12E

County Not Force

Lat 46 26.173 (Deg and Decimal minutes)

Long -117 3.547 (Deg and Decimal minutes)

Address of Well Site Hall's gate State Park

City Laurel, ID

Date of last date of use 11-5-04 Distance to Road 1/2 mile

Loc 100 Bld 100 Sub Name 100

4. USE

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection

☐ Other

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well

☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
Cement	70	6	74 + 13	Pressure Pump
Cement	205	0	112 + 13	Pressure Pump

8. CASING/LINER

From (ft)	To (ft)	Gauge or Schedule	Material	Casing Liner	Threaded	Welded
17	71	52	Steel	☒	☐	☒
8	72	20	Steel	☐	☒	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 170' - 205'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method

Manufactured screen ☐ Y ☒ N Type

Method of installation

From (ft)	To (ft)	Slot size	Number(s)	Diameter (inch(es))	Material	Gauge or Schedule

Length of Headpipe Length of Tailpipe

Package ☐ Y ☐ N Type

10. FILTER PACK

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 14 Static water level (ft) 27

Water temp. (°F) 51 Bottom hole temp. (°F) 51

Describe access point 1/2" pipe thread 1/2" water well cap

Well test

Drawdown (feet)	Estimated yield (gpm)	Test duration (minutes)	Pump	Header	Valve	Flowing Artesian
16'	~80 GPM	21 min.	☒	☐	☐	☐

NAME: C-301



North  West

2019 Butler Loop, Richland, WA, 99354 * Ph. (509) 946-9388 * Fax (509) 946-8069

December 8, 2009

Greg Hernandez
Project Engineer
US Army Corps of Engineers
Walla Walla District
201 N. 3rd Ave
Walla Walla, WA 99362

Subject: Alignment Test for Well No. D0057304

Dear Greg,

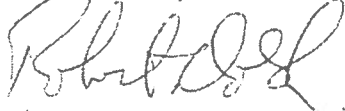
On November 13, 2009, Blue Star Enterprises NorthWest Inc. performed a straightness and alignment test on well number D0057304.

A 40 ft. long 10 3/4" OD test dummy pipe was lowered into the 12" well. The test dummy passed freely through the entire dept of the well (266 ft).

This test was performed in accordance with section 33 21 00.10 28, paragraph 3.3 of our contract.

Sincerely,

Blue Star Enterprises NorthWest Inc.



Robert Dobush
President



North West

2019 Butler Loop, Richland, WA. 99354 * Ph. (509) 946-9388 * Fax (509) 946-8069

WELL TESTING REPORT

NAME: 12 inch Irrigation Well LOCATION: Hell's Gate State Park I.D. WELL#D0057304

WELL DEPTH 267 WATER TEMP 50 degrees STATIC WATER LEVEL 28

ORIFICE SIZE n/a DISCHARGE PIPE: 4 inches COLUMN & LENGTH: 215 AIRLINE _____

TIME	WATER LEVEL FT. FROM TOP	R. P. M.	TEMPERATURE READING	G. P. M.	REMARKS: SAND or ODOR? CASCADING WATER? ETC.
945 am	28			200	
950	28			200	
951	33			200	
952	33			200	
953	33			200	
954	33			200	
955	33			200	
956	33			200	
957	33			200	
958	33			200	
959	33			200	
1000	33			200	
1001	33			200	
1002	33			200	
1003	33			200	
1004	33			200	
1005	33			200	
1010	33			200	
1015	33			200	
1020	33		50 °	200	no sand , no odor
1021	41			480	
1022	41			480	
1023	41			480	
1024	41			480	
1025	41			480	
1026	41			480	
1027	41			480	
1028	41			480	
1029am	41			480	

RECOVERY TIME: _____ FT. 1 MINUTE _____ FT. 2 MINUTES _____ FT. 3 MINUTES

APPROVED BY:

BSE-NW

OWNER OF WELL

INSTALLED BY: Forest Hoopes

DATE: November 18, 2009



North West

2019 Butler Loop, Richland, WA. 99354 * Ph. (509) 946-9388 * Fax (509) 946-8069

WELL TESTING REPORT

NAME: 12 inch Irrigation Well LOCATION: Hell's Gate State Park I.D. WELL#D0057304

WELL DEPTH 267 WATER TEMP 50 degrees STATIC WATER LEVEL 28

ORIFICE SIZE n/a DISCHARGE PIPE: 4 inches COLUMN & LENGTH: 215 AIRLINE _____

TIME	WATER LEVEL FT. FROM TOP	R. P. M.	TEMPERATURE READING	G. P. M.	REMARKS: SAND or ODOR? CASCADING WATER? ETC.
1030am	41			480	
1031	41			480	
1032	41			480	
1033	41			480	
1034	41			480	
1035	41			480	
1040	41.1			480	
1045	41.4			480	
1050	41.6			480	
1055	41.6		50°	480	
1100	41.8			480	
1105	41.8			480	
1110	41.8			480	
1115	41.9			480	
1120	42.0		51°	480	no sand, no odor
1150	42.1			480	
1220pm	42.6		48°	480	no sand, no odor
1250	42.6			480	
120	42.6		48°	480	no sand, no odor
150	42.7			480	
220	42.8		52°	480	no sand, no odor
250	42.9			480	
320	42.9		52°	480	no sand, no odor
420	43		53°	480	no sand, no odor
520	43		53°	480	no sand, no odor
620	43		53°	480	no sand, no odor
720	43		53°	480	no sand, no odor
820	43.1		53°	480	no sand, no odor
920pm	43.1		53°	480	no sand, no odor

RECOVERY TIME: FT. 1 MINUTE FT. 2 MINUTES FT. 3 MINUTES

APPROVED BY:

BSE-NW

OWNER OF WELL

INSTALLED BY: Forest Hoopes

DATE: November 18, 2009



WELL TESTING REPORT

ORIFICE SIZE n/a DISCHARGE PIPE: 4 inches COLUMN & LENGTH: 215 AIRLINE[illegible]

APPROVED BY:

OWNER OF WELL

DATE: November 18, 2009



North  West

2019 Butler Loop, Richland, WA, 99354 * Ph. (509) 946-9388 * Fax (509) 946-8069

December 8, 2009

Greg Hernandez
Project Engineer
US Army Corps of Engineers
Walla Walla District
201 N. 3rd Ave
Walla Walla, WA 99362

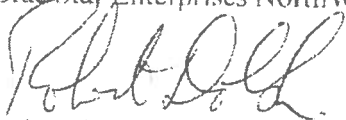
Subject: Sterilization of Well No. D0057304

Dear Greg,

On December 1, 2009, Blue Star Enterprises NorthWest Inc. chlorinated well number D0057304 in accordance with section 33 21 00.10 28, paragraph 3.6, 3.6.1 and 3.6.2 of our contract.

Sincerely,

Blue Star Enterprises NorthWest Inc.



Robert Dobush
President

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR Forest Harper		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well		PROJECT SITE Hell's Gate Park		WELL BOREHOLE NUMBER	
CITY Lewiston	State ID	County	DATE 11/9/09				
Allocation of Hours This Well/Borehole Only	UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS	
Mob/Demob - Yard to Location	Hrs		1.0	Mob/Demob	ls		
Setup/Site to Site Move	Hrs		2.0	Drill 16 inch hole	lf		
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	lf	55'	
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	lf		
Drilling Time	Hrs	5	5.0	Drill 8 inch hole	lf		
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing	lf		
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	lf		
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	lf		
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea		
Well Development Time	Hrs		10.0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	7					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					

Drilling Information

Hole Size #1 _____ From _____ To _____

Hole Size #2 12" From 20' To 115'

Hole Size #3 _____ From _____ To _____

Depth of Completed Well _____

Permanent Well Casing Size _____

Comments:

set up to drill 12" put on downer, hose
yellow, drill cement 14 ft.

drilling 15' stopped drilling to
install water
19' water downer install.

we up to site

CLIENT By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-946-9388 and discuss the matter with Operations.

EMPLOYEE At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.



Client Signature		PER DIEM
If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	YES / NO
BSE-NW Rep.		
Operator Forest Harper	12	
Helper Justin	12	
Helper		
Helper		

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR Forest Harper		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park	
CITY Lewiston		State ID	County	DATE 11/10/09		WELL BOREHOLE NUMBER	
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob - Yard to Location		Hrs		1.0	Mob/Demob	ls	
Setup/Site to Site Move		Hrs		2.0	Drill 16 inch hole	lf	
Time Spent in Safety Training		Hrs		3.0	Drill 12 inch hole	lf	35'
Hand Augering Time		Hrs		4.0	Drill 10 inch hole	lf	
Drilling Time		Hrs	4	5.0	Drill 8 inch hole	lf	
Tool/Core Tripping Time		Hrs		6.0	Furnish and install 12 inch well casing	lf	
Well Completion Time		Hrs		7.0	Furnish and install 10 inch liner	lf	
Sampling Time (Water, Vapor, Split Spoon Sampling Only)		Hrs		8.0	Furnish and install 8 inch liner	lf	
Decontaminate Rig/Tooling Time		Hrs		9.0	Completion of Well	ea	
Well Development Time		Hrs		10.0	Standby Time	hr	
Protective Wellhead Construction Time		Hrs					
Breakdown Time (Comments)		Hrs					
Y Trip Time		Hrs					
Miscellaneous Time (Comments)		Hrs	7				
Standby Time (Comments)		Hrs					
Varranty Work		Yes	No				
Safety Meeting		Yes	No				

Drilling Information

ole Size #1 _____ From _____ To _____

ole Size #2 12 From 105' To 140'

ole Size #3 _____ From _____ To _____

Depth of Completed Well _____

Permanent Well Casing Size _____

Comments:

emptied Cuttings out of Tank
called Dump Trailer for cuttings
used out more hose for better discharge
valve reduced to pump water from
tank
- 2 drilled

Client Signature

If employee pays for hotel, submit Travel Exp. Report with receipt

BSE-NW Rep. _____

Operator Forest Harper

Helper Rob Dobush

Helper _____

Helper _____

PER DIEM

YES / NO

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR Fred Hoyer		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park	
CITY Lewiston		State ID	County	DATE 11/11/09		WELL BOREHOLE NUMBER	
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob: - Yard to Location		Hrs		1.0	Mob/Demob	ls	
Setup/Site to Site: Move		Hrs		2.0	Drill 16 inch hole	lf	
Time Spent in Safety Training		Hrs		3.0	Drill 12 inch hole	lf	97'
Hand Augering Time		Hrs		4.0	Drill 10 inch hole	lf	
Drilling Time		Hrs	8	5.0	Drill 8 inch hole	lf	
Tool/Core Tripping Time		Hrs		6.0	Furnish and install 12 inch well casing	lf	
Well Completion Time		Hrs		7.0	Furnish and install 10 inch liner	lf	
Sampling Time (Water, Vapor, Split Spoon Sampling Only)		Hrs		8.0	Furnish and install 8 inch liner	lf	
Decontaminate Rig/Tooling Time		Hrs		9.0	Completion of Well	ea	
Well Development Time		Hrs		10.0	Standby Time	hr	
Protective Wellhead Construction Time		Hrs					
Breakdown Time (Comments)		Hrs					
Non Time		Hrs					
Miscellaneous Time (Comments)		Hrs	3				
Standby Time (Comments)		Hrs					
Varranty Work		Yes	No				
afety Meeting		Yes	No				

Drilling Information

ole Size #1 _____ From _____ To _____

ole Size #2 12" From 140' To 237'

ole Size #3 _____ From _____ To _____

epth of Completed Well _____

ermanent Well Casing Size _____

Comments:

OK getting motor dumping cuttings, even after holes, for discharge

drilling 97 ft

put new blow tube in Hammer,

CLIENT By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-845-9388 and discuss the matter with Operations.

EMPLOYEE At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.

Client Signature

If employee pays for hotel, submit Travel Exp. Report with receipt BSE-NW Rep. Operator <i>Fred Hoyer</i> Helper <i>Dobush</i> Helper Helper	Hours 11 11	PER DIEM YES / NO
--	--	---

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.																		
HEL335		136		Forest Hoopes		Rob Dobush/David Smith																		
PROJECT NUMBER		PROJECT NAME				PROJECT SITE																		
W912EF-09C-0050		Hell's Gate HMU Water Well				Hell's Gate Park																		
CITY	State	County	DATE		WELL BOREHOLE NUMBER																			
Lewiston	ID		11/12/09																					
Allocation of Hours This Well/Borehole Only	UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS																		
Mob/Demob - Yard to Location	Hrs		1.0	Mob/Demob	Is																			
Setup/Site to Site Move	Hrs		2.0	Drill 16 inch hole	If																			
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	If	29'																		
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	If																			
Drilling Time	Hrs	3	5.0	Drill 8 inch hole	If																			
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing	If																			
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	If																			
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	If																			
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea																			
Well Development Time	Hrs		10.0	Standby Time	hr																			
Protective Wellhead Construction Time	Hrs																							
Breakdown Time (Comments)	Hrs																							
Unshown Time	Hrs																							
Miscellaneous Time (Comments)	Hrs	7																						
Standby Time (Comments)	Hrs																							
Warranty Work	Yes	No																						
Safety Meeting	Yes	No																						
Drilling Information																								
Hole Size #1 _____ From _____ To _____																								
Hole Size #2 12" From 237' To 246'																								
Hole Size #3 _____ From _____ To _____																								
Depth of Completed Well _____																								
Permanent Well Casing Size _____																								
Comments:			CLIENT By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-546-9385 and discuss the matter with Operations. EMPLOYEE At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.																					
Set up big 6" pump to discharge water removed cuttings from tank 4' drilled added some unneeded stuff for Rob to take back 1" led rods out			Client Signature <table border="1"> <tr> <td>If employee pays for hotel, submit Travel Exp. Report with receipt</td> <td>Hours</td> <td>PER DIEM YES / NO</td> </tr> <tr> <td>BSE-NW Rep.</td> <td></td> <td></td> </tr> <tr> <td>Operator Forest Hoopes</td> <td>10</td> <td></td> </tr> <tr> <td>Helper Dustin</td> <td>10</td> <td></td> </tr> <tr> <td>Helper</td> <td></td> <td></td> </tr> <tr> <td>Helper</td> <td></td> <td></td> </tr> </table>				If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	PER DIEM YES / NO	BSE-NW Rep.			Operator Forest Hoopes	10		Helper Dustin	10		Helper			Helper		
If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	PER DIEM YES / NO																						
BSE-NW Rep.																								
Operator Forest Hoopes	10																							
Helper Dustin	10																							
Helper																								
Helper																								

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 1360		RIG OPERATOR Forest Hooper		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park	
CITY Lewiston		State ID	County	DATE 11/13/09		WELL BOREHOLE NUMBER	
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob - Yard to Location		Hrs		1.0	Mob/Demob	ls	
Setup/Site to Site Move		Hrs		2.0	Drill 16 inch hole	lf	
Time Spent in Safety Training		Hrs		3.0	Drill 12 inch hole	lf	
Hand Augering Time		Hrs		4.0	Drill 10 inch hole	lf	
Drilling Time		Hrs		5.0	Drill 8 inch hole	lf	
Tool/Core Tripping Time		Hrs		6.0	Furnish and install 12 inch well casing	lf	
Well Completion Time		Hrs		7.0	Furnish and install 10 inch liner	lf	
Sampling Time (Water, Vapor, Split Spoon Sampling Only)		Hrs		8.0	Furnish and install 8 inch liner	lf	
Decontaminate Rig/Tooling Time		Hrs		9.0	Completion of Well	ea	
Well Development Time		Hrs		10.0	Standby Time	hr	
Protective Wellhead Construction Time		Hrs					
Breakdown Time (Comments)		Hrs					
Shop Time		Hrs					
Miscellaneous Time (Comments)		Hrs	9				
Standby Time (Comments)		Hrs					
Varranty Work		Yes	No				
afety Meeting		Yes	No				
Drilling Information							
ole Size #1 _____ From _____ To _____							
ole Size #2 _____ From _____ To _____							
ole Size #3 _____ From _____ To _____							
epth of Completed Well _____							
ermanent Well Casing Size _____							
omments: on 40ft 10" down hole to 265 ft. added pipe to take home cured tank completely e home				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-946-9388 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy. ★			
Client Signature				PER DIEM			
If employee pays for hotel, submit Travel Exp. Report with receipt				Hours		YES / NO	
BSE-NW Rep.						I	
Operator Forest Hooper				9		I	
Helper Austin				8		I	
Helper						I	
Helper						I	

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.	
HEL335		136		Forest Harper		Rob Dobush/David Smith	
PROJECT NUMBER		PROJECT NAME		PROJECT SITE			
W912EF-09C-0050		Hell's Gate HMU Water Well		Hell's Gate Park			
CITY	State	County	DATE		WELL BOREHOLE NUMBER		
Lewiston	ID		11/16/09				
Allocation of Hours This Well/Borehole Only	UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS	
Mob/Demob - Yard to Location	Hrs		1.0	Mob/Demob	IS		
Setup/Site to Site Move	Hrs		2.0	Drill 16 inch hole	If		
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	If		
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	If		
Drilling Time	Hrs		5.0	Drill 8 inch hole	If		
Tool/Core Trapping Time	Hrs		6.0	Furnish and install 12 inch well casing	If		
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	If		
Sampling Time (Water, Vapor, Solid Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	If		
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea		
Well Development Time	Hrs		10.0	Standby Time	hr	3 1/2	
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	11					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					

Drilling Information

Hole Size #1 _____ From _____ To _____

Hole Size #2 _____ From _____ To _____

Hole Size #3 _____ From _____ To _____

Depth of Completed Well: _____

Permanent Well Casing Size: _____

Comments:

Drive Piers

Set pump on hole 50 hp 7 1/2" hoists

at meter at 202 ft in hole pump set 3 220ft

pump 50 gpm for 20 min. @ pump level

to 41 ft bottom signature, top 21 ft 21 ft

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EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on a link/wreck report, as required by company policy.

Client Signature		PER DIEM	
If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	YES	NO
BSE-NW Rep.			
Operator Forest Harper	11		
Helper Dustin	11		
Helper			
Helper			

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR Forest Hopper		BSE-NW ON SITE REP. Rob Dobush/David Smith																			
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park																			
CITY Lewiston		State ID	County	DATE 11/17/09		WELL BOREHOLE NUMBER																			
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS																		
Mob/Demob - Yard to Location		Hrs.		1.0	Mob/Demob	Is																			
Setup/Site to Site Move		Hrs.		2.0	Drill 16 inch hole	If																			
Time Spent in Safety Training		Hrs.		3.0	Drill 12 inch hole	If																			
Hand Augering Time		Hrs.		4.0	Drill 10 inch hole	If																			
Drilling Time		Hrs.		5.0	Drill 8 inch hole	If																			
Tool/Core Tripping Time		Hrs.		6.0	Furnish and install 12 inch well casing	If																			
Well Completion Time		Hrs.		7.0	Furnish and install 10 inch liner	If																			
Sampling Time (Water, Vapor, Split Spoon Sampling Only)		Hrs.		8.0	Furnish and install 8 inch liner	If																			
Decontaminate Rig/Tooling Time		Hrs.		9.0	Completion of Well	ea																			
Well Development Time		Hrs.		10.0	Standby Time	hr																			
Protective Wellhead Construction Time		Hrs.																							
Breakdown Time (Comments)		Hrs.																							
Yard/Shed Time		Hrs.																							
Miscellaneous Time (Comments)		Hrs.	8 1/2																						
Standby Time (Comments)		Hrs.																							
Warranty Work		Yes	No																						
Safety Meeting		Yes	No																						
Drilling Information																									
Hole Size #1 _____ From _____ To _____																									
Hole Size #2 _____ From _____ To _____																									
Hole Size #3 _____ From _____ To _____																									
Depth of Completed Well _____																									
Permanent Well Casing Size _____																									
Comments:				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-545-5386 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.																					
Closed up site piled up all of cuttings from dewatering site to bring back and build a bypass for the pump that it would 8" casing make some ears and centralizers				Client Signature _____ PER DIEM <table border="1"> <tr> <td>If employee pays for hotel, submit Travel Exp. Report with receipt</td> <td>Hours</td> <td>YES / NO</td> </tr> <tr> <td>BSE-NW Rep.</td> <td></td> <td></td> </tr> <tr> <td>Operator Forest Hopper</td> <td>8 1/2</td> <td></td> </tr> <tr> <td>Helper [Signature]</td> <td>8 1/2</td> <td></td> </tr> <tr> <td>Helper</td> <td></td> <td></td> </tr> <tr> <td>Helper</td> <td></td> <td></td> </tr> </table>				If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	YES / NO	BSE-NW Rep.			Operator Forest Hopper	8 1/2		Helper [Signature]	8 1/2		Helper			Helper		
If employee pays for hotel, submit Travel Exp. Report with receipt	Hours	YES / NO																							
BSE-NW Rep.																									
Operator Forest Hopper	8 1/2																								
Helper [Signature]	8 1/2																								
Helper																									
Helper																									

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.	
HEL335		131		Trent Hopper		Rob Dobush/David Smith	
PROJECT NUMBER		PROJECT NAME		PROJECT SITE			
W912EF-09C-0050		Hell's Gate HMU Water Well		Hell's Gate Park			
CITY		State	County	DATE		WELL BOREHOLE NUMBER	
Lewiston		ID		11/15/09			
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Biliable Items Description	UNITS	NO. of UNITS
Mob/Demob Yard to Location	Hrs		1.0	Mob/Demob		15	
Setup Site to Site Move	Hrs		2.0	Drill 16 inch hole		If	
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole		If	
Hand Augering Time	Hrs		4.0	Drill 10 inch hole		If	
Drilling Time	Hrs		5.0	Drill 8 inch hole		If	
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing		If	
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner		If	
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner		If	
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well		ea	
Well Development Time	Hrs		10.0	Standby Time		hr	2 1/2
Protective Wellhead Construction Time	Hrs			7.00 to 9.30 waiting			
Breakdown Time (Comments)	Hrs			for officials to show			
Yard/Shop Time	Hrs			up before we begin			
Miscellaneous Time (Comments)	Hrs			pump testing			
Standby Time (Comments)	Hrs						
Warranty Work	Yes	NO					
Safety Meeting	Yes	NO					
Drilling Information							
Hole Size #1 _____ From _____ To _____							
Hole Size #2 _____ From _____ To _____							
Hole Size #3 _____ From _____ To _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments.				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-845-9349 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.			
11/15/09 221 11/15 11/15				Client Signature If employee pays for hotel, submit Travel Exp. Report with receipt BSE-NW Rep. Operator Trent Hopper Helper David Smith Helper Helper			
				PER DIEM YES NO 11/12 6			



BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 130		RIG OPERATOR Teresa Hargreaves		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well		PROJECT SITE Hell's Gate Park		WELL BOREHOLE NUMBER	
CITY Lewiston	State ID	County	DATE 11/19/03				
Allocation of Hours This Well/Borehole Only	UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS	
Mob/Demob - Yard to Location	Hrs		1 0	Mob/Demob	ls		
Setup/Site to Site Move	Hrs		2 0	Drill 16 inch hole	lf		
Time Spent in Safety Training	Hrs		3 0	Drill 12 inch hole	lf		
Hand Augering Time	Hrs		4 0	Drill 10 inch hole	lf		
Drilling Time	Hrs		5 0	Drill 8 inch hole	lf		
Tool/Core Trapping Time	Hrs		6 0	Furnish and install 12 inch well casing	lf		
Well Completion Time	Hrs		7 0	Furnish and install 10 inch liner	lf		
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8 0	Furnish and install 8 inch liner	lf		
Decontaminate Rig/Tooling Time	Hrs		9 0	Completion of Well	ea		
Well Development Time	Hrs		10 0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	9					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					

Drilling Information

Hole Size #1 _____ From _____ To _____

Hole Size #2 _____ From _____ To _____

Hole Size #3 _____ From _____ To _____

Depth of Completed Well _____

Permanent Well Casing Size _____

Comments:
*Am Am
 Direction from parking 12:00 - 7:00
 Found old well casing, welding supply
 for hole to be in terms.*

Client Signature

If employee pays for hotel submit Travel Exp. Report with receipt

BSE-NW Rep.

Operator *Teresa Hargreaves*

Helper *Dobush*

Helper

Helper

PER DIEM

YES / NO

Hours

9

7

1

1

1

1

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR The Forest Hays		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park	
CITY Lewiston		State ID	County	DATE 11/26/09		WELL BOREHOLE NUMBER	
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob - Yard to Location	Hrs		1.0	Mob/Demob	ls		
Setup/Site to Site Move	Hrs		2.0	Drill 16 inch hole	lf		
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	lf		
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	lf		
Drilling Time	Hrs		5.0	Drill 8 inch hole	lf		
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing	lf		
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	lf		
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	lf	140'	
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea		
Well Development Time	Hrs		10.0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	9 1/2					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					
Drilling information							
Hole Size #1 _____ From _____ To _____							
Hole Size #2 _____ From _____ To _____							
Hole Size #3 _____ From _____ To _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments:				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-446-9399 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.			
Set pea gravel, silica sand and bentonite in hole, welded 140' girth in hole							
dave home							
3 5500 lbs pea gravel							
(5) bags of sand							
(2) buckets pellets bentonite							
Client Signature				PER DIEM			
If employee pays for hotel, submit Travel Exp. Report with receipt				Hours		YES / NO	
BSE-NW Rep.							
Operator Forest Hays				9 1/2			
Helper Dutton				9 1/2			
Helper							
Helper							

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.	
HEL335		136		Forest Hopper		Rob Dobush/David Smith	
PROJECT NUMBER		PROJECT NAME				PROJECT SITE	
W912EF-09C-0050		Hell's Gate HMU Water Well				Hell's Gate Park	
CITY		State	County	DATE		WELL BOREHOLE NUMBER	
Lewiston		ID		11/23/09			
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob - Yard to Location	Hrs		1.0	Mob/Demob	ls		
Setup/Site to Site Move	Hrs		2.0	Drill 16 inch hole	lf		
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	lf		
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	lf		
Drilling Time	Hrs		5.0	Drill 8 inch hole	lf		
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing	lf		
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	lf		
Sampling Time (Water, Vapor, Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	lf	604'	
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea		
Well Development Time	Hrs		10.0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	7					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					
Drilling Information							
Hole Size #1 _____ From _____ To _____							
Hole Size #2 _____ From _____ To _____							
Hole Size #3 _____ From _____ To _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments:				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 509-346-3309 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.			
Put 6-4" 2" pipe in 204' 604'S							
Set up equipment for core sampling.							
Client Signature				PER DIEM			
If employee pays for hotel, submit Travel Exp. Report with receipt				Hours		YES / NO	
BSE-NW Rep.							
Operator Forest Hopper				7			
Helper David Chase				7			
Helper							
Helper							



BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.	
HEL335		130		Forrest Horne		Rob Dobush/David Smith	
PROJECT NUMBER		PROJECT NAME				PROJECT SITE	
W912EF-09C-0050		Hell's Gate HMU Water Well				Hell's Gate Park	
CITY		State	County	DATE		WELL BOREHOLE NUMBER	
Lewiston		ID		11/24/19			
Allocation of Hours-This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob - Yard to Location		Hrs		1.0	Mob/Demob	ls	
Setup/Site to Site Move		Hrs		2.0	Drill 16 inch hole	lf	
Time Spent in Safety Training		Hrs		3.0	Drill 12 inch hole	lf	
Hand Augering Time		Hrs		4.0	Drill 10 inch hole	lf	
Drilling Time		Hrs		5.0	Drill 8 inch hole	lf	
Tool/Core Tripping Time		Hrs		6.0	Furnish and install 12 inch well casing	lf	
Well Completion Time		Hrs		7.0	Furnish and install 10 inch liner	lf	
Sampling Time (Water Vapor, Split Spoon Sampling Only)		Hrs		8.0	Furnish and install 8 inch liner	lf	
Decontaminate Rig/Tooling Time		Hrs		9.0	Completion of Well	ea	
Well Development Time		Hrs		10.0	Standby Time	hr	
Protective Wellhead Construction Time		Hrs					
Breakdown Time (Comments)		Hrs					
Yard/Shop Time		Hrs					
Miscellaneous Time (Comments)		Hrs	5				
Standby Time (Comments)		Hrs					
Warranty Work		Yes	No				
Safety Meeting		Yes	No				
Drilling Information							
Hole Size #1 _____ From _____ To _____							
Hole Size #2 _____ From _____ To _____							
Hole Size #3 _____ From _____ To _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments:				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 501-546-9389 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge. And that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.			
Cemented 8" in ground Gravel cement to surface drain bottom				Client Signature If employee pays for hotel, submit Travel Exp. Report with receipt BSE-NW Rep. Operator Forrest Horne Helper Andrew Chaire Helper Helper			
						PER DIEM	
						YES / NO	

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER		RIG NUMBER		RIG OPERATOR		BSE-NW ON SITE REP.	
HEL335		156		T. R. R. R.		Rob Dobush/David Smith	
PROJECT NUMBER		PROJECT NAME		PROJECT SITE			
W912EF-09C-0050		Hell's Gate HMU Water Well		Hell's Gate Park			
CITY	State	County	DATE	WELL BOREHOLE NUMBER			
Lewiston	ID		12/1/09				
Allocation of Hours This Well/Borehole Only	UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS	
Mob/Demob - Yard to Location	Hrs.		1.0	Mob/Demob	IS		
Setup/Site to Site Move	Hrs.		2.0	Drill 16 inch hole	If		
Time Spent in Safety Training	Hrs.		3.0	Drill 12 inch hole	If		
Hand Augering Time	Hrs.		4.0	Drill 10 inch hole	If		
Drilling Time	Hrs.		5.0	Drill 8 inch hole	If		
Tool/Core Tripping Time	Hrs.	2	6.0	Furnish and install 12 inch well casing	If		
Well Completion Time	Hrs.		7.0	Furnish and install 10 inch liner	If		
Sampling Time (Water, Vapor, Spill Spoon Sampling Only)	Hrs.		8.0	Furnish and install 8 inch liner	If		
Decontaminate Rig/Tooling Time	Hrs.		9.0	Completion of Well	ea		
Well Development Time	Hrs.		10.0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs.						
Breakdown Time (Comments)	Hrs.						
Yard/Shop Time	Hrs.						
Miscellaneous Time (Comments)	Hrs.	4.9					
Standby Time (Comments)	Hrs.						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					
Drilling information							
Hole Size #1 _____ From _____ To _____							
Hole Size #2 _____ From _____ To _____							
Hole Size #3 _____ From _____ To _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments:			CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 804.445.4444 and discuss the matter with Operations. EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.				
Pauline D. R. R. R. Pauline D. R. R. R. Pauline D. R. R. R.			Client Signature If employee pays for hotel, submit Travel Exp. Report with receipt BSE-NW Rep. Operator Helper Helper Helper				
			Hour PER DIEM YES / NO				
			9.0 11				

BLUE STAR ENTERPRISES NORTHWEST INC.

DAILY SUMMARY

BSE-NW JOB NUMBER HEL335		RIG NUMBER 136		RIG OPERATOR Trent Hoppie		BSE-NW ON SITE REP. Rob Dobush/David Smith	
PROJECT NUMBER W912EF-09C-0050		PROJECT NAME Hell's Gate HMU Water Well				PROJECT SITE Hell's Gate Park	
CITY Lewiston		State ID	County	DATE 7/20/09		WELL BOREHOLE NUMBER	
Allocation of Hours This Well/Borehole Only		UNITS	QTY	LINE ITEM	Billable Items Description	UNITS	NO. of UNITS
Mob/Demob Yard to Location	Hrs		1.0	Mob/Demob	Is		
Setup Site to Site Move	Hrs		2.0	Drill 16 inch hole	If		
Time Spent in Safety Training	Hrs		3.0	Drill 12 inch hole	If		
Hand Augering Time	Hrs		4.0	Drill 10 inch hole	If		
Drilling Time	Hrs	3	5.0	Drill 8 inch hole	If		
Tool/Core Tripping Time	Hrs		6.0	Furnish and install 12 inch well casing	If		
Well Completion Time	Hrs		7.0	Furnish and install 10 inch liner	If		
Sampling Time (Water Vapor Split Spoon Sampling Only)	Hrs		8.0	Furnish and install 8 inch liner	If		
Decontaminate Rig/Tooling Time	Hrs		9.0	Completion of Well	ea		
Well Development Time	Hrs		10.0	Standby Time	hr		
Protective Wellhead Construction Time	Hrs						
Breakdown Time (Comments)	Hrs						
Yard/Shop Time	Hrs						
Miscellaneous Time (Comments)	Hrs	7					
Standby Time (Comments)	Hrs						
Warranty Work	Yes	No					
Safety Meeting	Yes	No					
Drilling information							
Hole Size #1 _____ From: _____ To: _____							
Hole Size #2 _____ From: _____ To: _____							
Hole Size #3 _____ From: _____ To: _____							
Depth of Completed Well _____							
Permanent Well Casing Size _____							
Comments: 1. Make out permit form 10-21-205 2. Make out permit form 10-21-205 3. Make out permit form 10-21-205 4. Set up some holes to discharge water				CLIENT: By signing this daily summary, you acknowledge that the above information is true and accurate to the best of your knowledge. If you contest any item set forth herein, and the matter cannot be resolved with our field representative, please contact our office at 503-946-9389 and discuss the matter with Operations.			
				EMPLOYEE: At the time of signing this daily summary, you are attesting to the fact that the above information is true and accurate to the best of your knowledge, and that any and all injuries or accidents that may have occurred on this day have been recorded on an injury/accident report as required by company policy.			
Client Signature				PER DIEM			
If employee pays for hotel, submit Travel Exp. Report with receipt				Hours			
BSE-NW Rep.				YES / NO			
Operator				10			
Helper							
Helper							
Helper							