

SAJB1.DWG

SPOKANE AQUIFER
JOINT BOARD
MONITORING WELL

PROJECT NUMBER 136236.DC.20

WELL NUMBER
SAJB # 1

MONITORING WELL CONSTRUCTION DETAILS

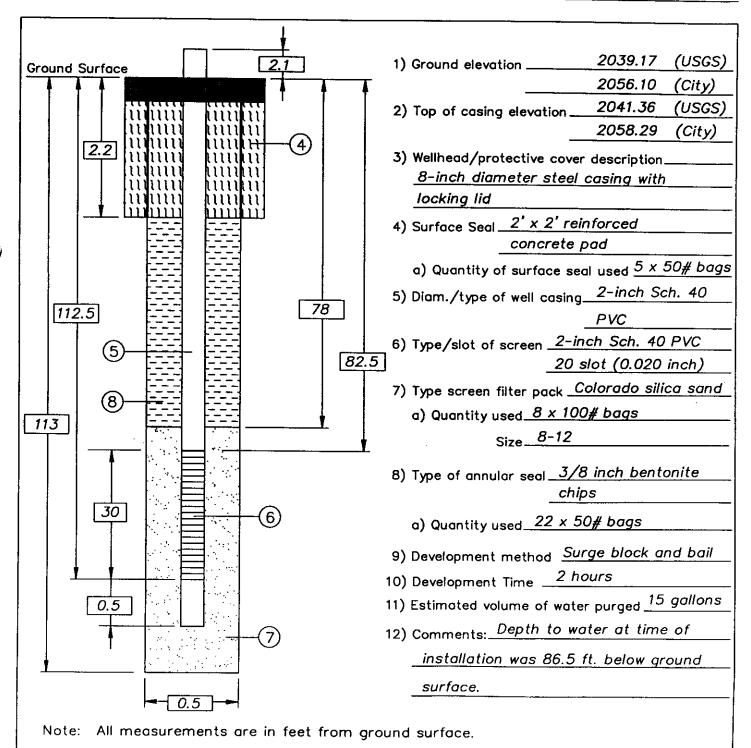
PROJECT <u>SAJB WELLHEAD PROTECTION PROGRAM</u>

DRILLER <u>Fogle Pump and Supply</u>

LOCATION <u>CID Wellfield #4 near Mission and Barker, Greenacres</u>

DRILLING METHOD & EQUIPMENT 6-inch ODEX Air Rotary, CP-7000

START 9/5/96 FINISH 9/9/96 LOGGER Henry/Smith WATER LEVEL & DATE 9/16/96, 88.38 ft. btc





BORING NUMBER

SHEET

OF /

SOIL BORING LOG

DRILLING METHOD AND EQUIPMENT 6-inch ODEX air rotory CP-7000 WATER LEVELS 86.5 Pt bgs START 9/s/96 FINISH 9/9/96 LOGGER Henry Snit SAMPLE STANDARD PENETRATION TEST RESULTS OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY DRILLING CONTRACTOR Fogle Plum & Supply SOIL DESCRIPTION COMMENTS SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION O-4 Silty growe) and Sond	PROJEC	Z _т	57A	s w	ellhead	Protection LOCATION MIS	sion & Barker, Greenacres
WATER LEVELS BED. STANDARD SOIL DESCRIPTION DEPTH OF CASING DRILLING RATE DRILLING FULL DRILLING TESTS AND MISTING RATE DRILLING FULL DRILLING TESTS AND MISTING RATE DRILLING FULL DRILLING TESTS AND MISTING COMMISSION RATE DRILLING FULL DRILLING TESTS AND MISTING TESTS AND MISTING TESTS AND MISTING TO STANDARD TO STANDARD						DRILLING CONTRACTOR Fogle Plup	E Supply
SOIL DESCRIPTION COMMENTS COMENTS COMMENTS COMMENTS COMMENTS COMMENTS COMMENTS COMMENTS	WATER	LEVELS	86	4 7 .	D95		
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4-10 Well graded growel With Sand (GW) 10-44 Well graded gravel and Sand (GW) 40- 40- 40- 40- 40- 40- 40- 40		INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	TEST RESULTS 6"-6"-6"	MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE,	DRILLING FLUID LOSS,
4-10 Well graded gravel with Sand (GW) 10-44 Well graded gravel and Sand (GW) 40- 44-46 Well graded Sand (SW) 46-55 Well graded gravel and Sand (GW) 55-57 Boulder 57-109 Well graded gravel and Sand (GW) Gravels: pea gravel and Sand (GW) Gravels: peasize to approx. 2 inches 80- 109-112 Well graded sand (SW) 112-113 Well graded gravel and Sond (GW)	0					0-4 Silty grower and sand	
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to 2 inch plus 40- 44-46 Well graded sand (5W) 46-55 Well graded gravel and sand (6W) 55-57 Boulder 57-109 Well graded gravel and sand (6W) Gravels: peasize to approx. 2 inches 80- 109-112 Well graded sand (5W) 112-113 Well graded gravel and sond (6W)	-						
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109-112 Well graded sand (SW) 112-113 Well graded gravel and sand (GW)	-				<u> </u>	and sand (GW)	Grovels: peasize to]
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109-112 Well graded sand (5W) 112-113 Well graded gravel and sand (GW)	-						
109-112 Well graded sand (5W) 112-113 Well graded gravel and sand (GW)	-					_	-
112-113 Well graded granel and sand (GW)	J00-					_	_
and sand (GW)	-					109-112 Well graded sand (54	μ) -
						112-113 Well-graded granel -	-
120 TD Borchole at 113ft						and sand (GW) -	-
	120	<u> </u>		<u> </u>	<u> </u>	TD Borchole at 113ft	_



SAJB2.DWG

SPOKANE AQUIFER
JOINT BOARD
MONITORING WELL

PROJECT NUMBER 136236.DC.20

WELL NUMBER SAJB #2

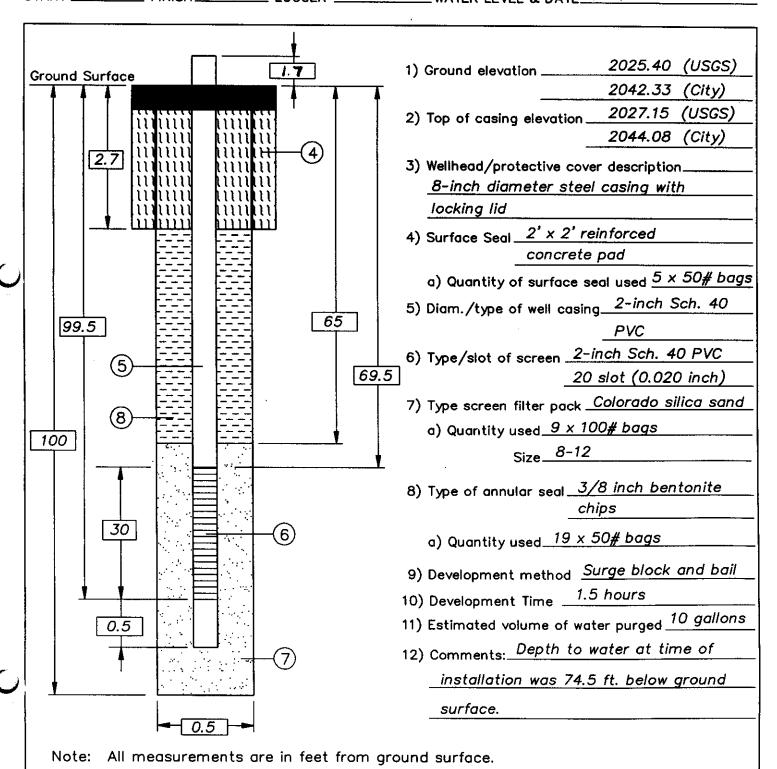
MONITORING WELL CONSTRUCTION DETAILS

PROJECT <u>SAJB WELLHEAD PROTECTION PROGRAM</u>
DRILLER <u>Fogle Pump and Supply</u>

LOCATION <u>CID Wellfield #5 near Barker and Euclid, Otis Orchards</u>

DRILLING METHOD & EQUIPMENT <u>6-inch ODEX Air Rotary, CP-7000</u>

START <u>9/9/96</u> FINISH <u>9/11/96</u> LOGGER <u>Smith</u> WATER LEVEL & DATE <u>9/16/96</u>, 73.84 ft. btc





SPOKANE AQUIFER
JOINT BOARD
MONITORING WELL

PROJECT NUMBER 136236.DC.20 WELL NUMBER SAJB #3

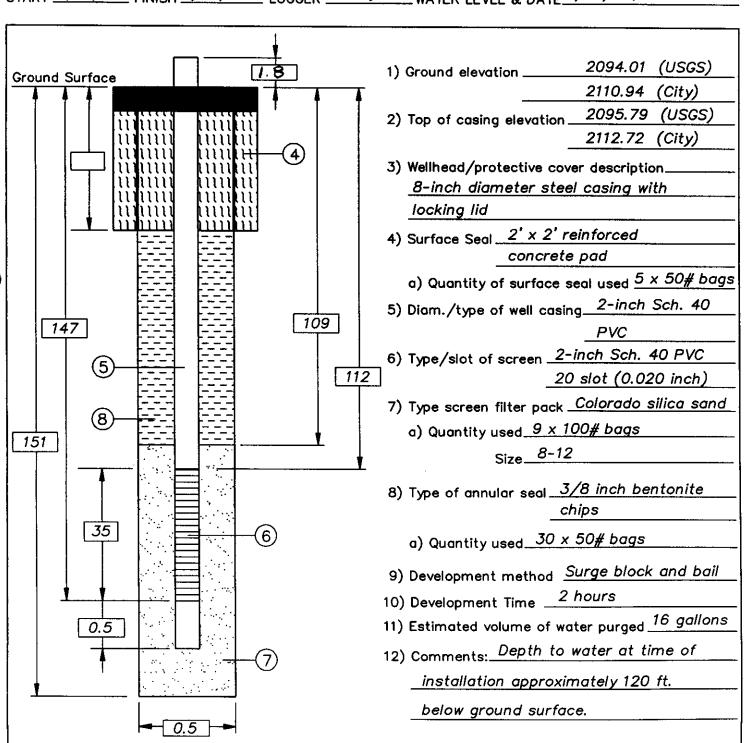
MONITORING WELL CONSTRUCTION DETAILS

PROJECT <u>SAJB WELLHEAD PROTECTION PROGRAM</u>

LOCATION <u>CID Wellfield #11 near Wellesley and Idaho Road, East Farms</u>

DRILLING METHOD & EQUIPMENT <u>6-inch ODEX Air Rotary, CP-7000</u>

START <u>9/11/96</u> FINISH <u>9/13/96</u> LOGGER <u>Henry</u> WATER LEVEL & DATE 9/16/96, 118.41 ft. btc



Note: All measurements are in feet from ground surface.



BORING NUMBER

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SOIL BORING LOG

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PROJEC	π_ 5	AJE	s W	ellhead :	Protection	LOCATION LANGE	llasty and Idaho Rd Fast
		<u>080</u>		565)	DRILLING CON	NTRACTOR Foole Pu	ne Sunali Fam
ORILLIN MATER	G MET	HOD AN a リスモ	/ &+ D EGAII	MENT 6-7	ich odex	air rotary + CP-7	000
		SAMPLE		1	 		3/96 LOGGER HENRY
ŞE.		ш		STANDARD PENETRATION TEST	······································	L DESCRIPTION	COMMENTS
H BE	₹VAL	BER TYPE	VE.	RESULTS	MOISTURE CO	SCS GROUP SYMBOL, COLOR, ONTENT, RELATIVE DENSITY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS,
DEPTH BELOW SURFACE (FT)	NTERVAL	ANGW	RECOVERY (FT)	6"-6"-6" (N)	OR CONSISTE MINERALOGY	NCY, SOIL STRUCTURE,	TESTS AND INSTRUMENTATION
0		~~	<u> </u>		0-3 5:14	dfin slame	
-					المامى	g growels with bles	-
.					3-8 well	graded gravel	Gravels are well
7					and	I graded grown! course sands	rounded sands
-			İ			Algraded gravels	rounded, sands are subangular to
20-						th sand	subrounded -
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_					24-151	Well graded gra	els
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SPOKANE AQUIFER
JOINT BOARD
MONITORING WELL

PROJECT NUMBER 136236.DC.20

WELL NUMBER SAJB # 4

MONITORING WELL CONSTRUCTION DETAILS

PROJECT SAJB WELLHEAD PROTECTION PROGRAM

DRILLER Fogle Pump and Supply

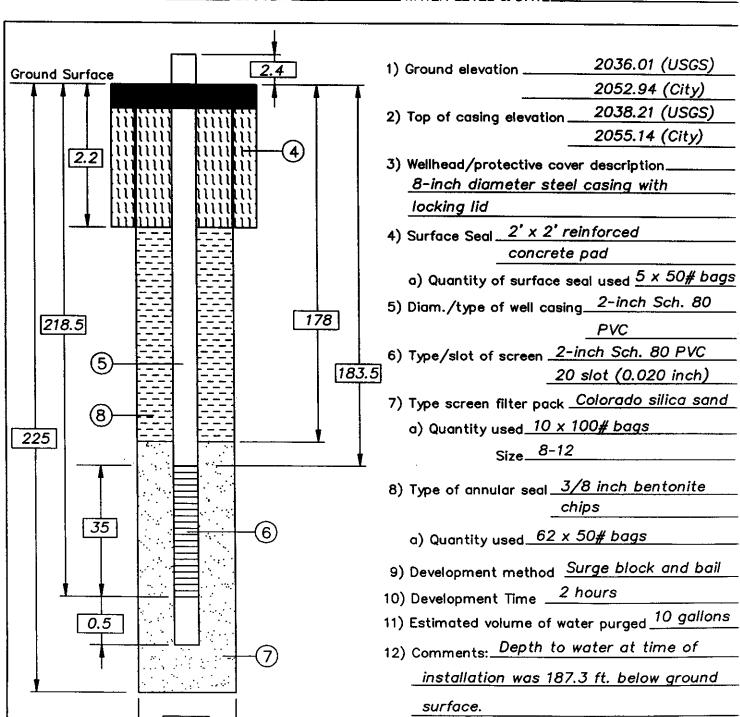
LOGITARY MORGEN Acres Fire Dept. Regal and Houston

LOCATION Morgan Acres Fire Dept., Regal and Houston

DRILLING METHOD & EQUIPMENT 6-inch ODEX Air Rotary, CP-7000

Note: All measurements are in feet from ground surface.

START 11/4/96 FINISH 11/8/96 LOGGER Henry/Smith WATER LEVEL & DATE 12/6/96, 189.37 ft. btc



SAJB4.DWG



PROJECT NUMBER
136236.DC.20 BORING NUMBER
4

SHEET

/ OF2

SOIL BORING LOG

PROJEC	C TS	4JB	We	lhead F	Potection Location Mon	an Arma Em D at (1911)
ELEVAT	ION 2	035	(Gr	ound)	DRILLING CONTRACTOR Foole Pund	gen Acres Fire Dept/Hillyari
DRILLIN WATER					1/8/96 START 1/4/96 FINISH 11/8	CP-700
		SAMPLE		STANDARD	SOIL DESCRIPTION	26 LOGGER HENRY SMITH
DEPTH BELOW SURFACE (FT)	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
0	8				Foorly groved somb w/ silf (SP) light brown, bry	
-					ight brown moist, occasional pea graves.	- -
20 -	35	<u>-</u>	<u> </u>		will grated sand with grave	
_					(Sw), light brown, moist. Gravel to 3/8-inch, well rounded	- -
40-					- -	
60-	5 <u>4</u> 5 <u>8</u>				Poorly graded grand and sould (GP). Grand 3/8 - 1/2 inch	- -
-	65		·		(SW) Proofy graded grant w/ well	_
80-				:	graded sound (GP-SW)	
-	92				Poorly graded sand with silt	- - -
/00-	105		-		(SP-SM), light brown, moist well graded soul w/silt	-
/20					(SW-SM), light brown, motel	



PROJECT NUMBER

BORING NUMBER

4 SHEET

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SOIL BORING LOG

		_	,		rotechion Location Mor	yen Aures Fire Dept Hillyard
				omd)	DRILLING CONTRACTOR Foole Pine	i & Supply
DRILLIN WATER				FF bos /	1/8/96 START 1/4/96 FINISH 1/1/8	196 LOGGER HENRY / Smith
		SAMPLE		STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH BELOW SURFACE (FT)	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
120	ß•				well graded sound by si)t	-
-	12	-	_		Poorly graded soud w/s:1+	-
#0-	烂		_		SP-SM light brown-brown moret. Soud is fine to medium grained.	-
-					well graded sand w/ silt -	-
160			:		(SW-SM), light bown,	- -
-					-	-
180	182					- - -
200			-		brown-tan, wet, occasion gravels to 1/2-inch.	- -
					_	-
220	- - - - - -					Completed well Sureened from 183-218
					TD at 225 ft	-
240) - 					- - -



WELL NUMBER SAJB #5

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 26 North, Range 45 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 25, SE 1/4 of the SE 1/4

DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 102.40 feet btc (7/9/98) COMPLETED: July 9, 1998 LOGGER: C. Golik ** Well located in County ROW on west side of Idaho Rd., approx. 300 feet south of NW Pipeline crossing. 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot by 2-foot square 4- Dia./type of well casing 2-inch Schedule 40 PVC 146 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 12 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 31 50-pound bags Development method Surge block and bail Development time 1.5 hours 45 Estimated purge volume 10 gallons Comments WA Ecology well ID - AEB837 Borehole backfilled from 140 - 146 with sandpack

6-inch

 	
PROJECT NAME: SAJB #136236.DC.50	START CARD NO. R035115
WELL IDENTIFICATION NO. AEB837	LOCATION: SE 1/4 Sec 25 ZON 45EWM
ORILLING METHOD: Air Rotary	STREET ADDRESS OF WELL: Idaho Rd.
DRILLER: Mike Robinson	
FIRM: Fogle Pump & Supply, Inc.	WATER LEVEL ELEVATION: 100
SIGNATURE: Mile Robinson / Me)	GROUND SURFACE ELEVATION:
CONSULTING FIRM: CH2M Hill	INSTALLED: 7-9-98
REPRESENTATIVE: Mark Henry	DEVELOPED:

Cap or Vault Type: Above-Locking cobbles & boulders 0-26 Size: 8" Lock: Silty sand & gravel w/ Cobbles & boulders 0-26 Silty sand & gravel, coarse 26-45	WELL DATA FORMATION DESCRIPTION
Cement: Quick crete Depth: 0 To: 2 Bags: 3 Grout Type: Hole Plug Depth: 2 To: 90 Bags: 31 Fvc Type: Sch 40 Fvc Size: 2" Depth: +2 To: 95 Centralizers 50, 95 & 140 Fellets Size: N/A Depth: To: Bags: Silica Sand: 8-12 Depth: 90 To: 146 Bags: 12 Screen Type: Sch 40 PVC Depth: 95 To:140 Size: .020 Casing Size: Drive Shoe:	Cap or Vault Type: Above-Locking Size: 8" Lock: Pvc Cap: Flush-Locking Cement: Quick crete Depth: 0 To: 2 Bags: 3 Grout Type: Hole Plug Depth: 2 To: 90 Bags: 31 Pvc Type: Sch 40 Pvc Size: 2" Depth: +2 To: 95 Centralizers 50, 95 & 140 Pellets Size: N/A Depth: To: Bags: Silica Sand: 8-12 Depth: 90 To: 146 Bags: 12 Screen Type: Sch 40 PVC Depth: 95 Size: 020 Casing Size:

ECY 050-12 (Rev. 11/89)



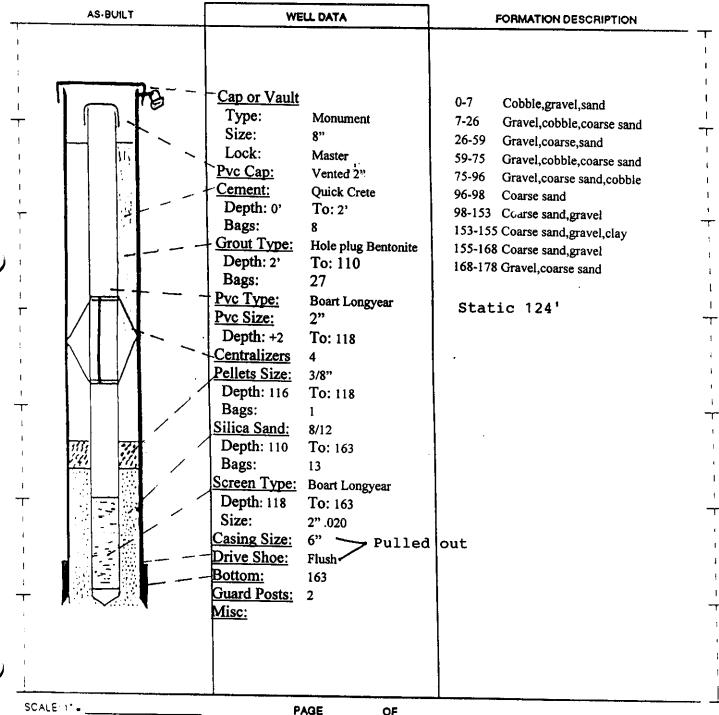
WELL NUMBER SAJB #6

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 26 North, Range 45 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 24, SE 1/4 of the SE 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 125.55 feet btc (7/17/98) COMPLETED: July 17, 1998 LOGGER: C. Golik ** Well located on Central Pre-Mix property west of Idaho Rd., approx. 1,000 feet south of Trent 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot by 2-foot square 109 117.5 4- Dia./type of well casing 2-inch Schedule 40 PVC 182 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 13 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 27 50-pound bags Development method Surge block and bail Development time 2 hours 45 Estimated purge volume 10 gallons Comments WA Ecology well ID - AEB875 Borehole allowed to slough from 163 - 182 prior to installation 6-inch

START CARD NO. R035111

PROJECT NAME: SAJB #136236.DC.50	county: Spokane
WELL IDENTIFICATION NO. AEB875	LOCATION: SE 14 SE 14 Sec 24 Twn 26N R45EWM
DRILLING METHOD: Rotary DRILLER: Martin Jensen	street ADDRESS OF WELL: 4mi. South of Trent on Idaho Rd.
FIRM: Fogle Pump & Supply	WATER LEVEL ELEVATION:
SIGNATURE: <u>Martin lensen (mo</u> consulting FIRM: CH2M H111	GROUND SURFACE ELEVATION: INSTALLED:
REPRESENTATIVE: Mark Henry	DEVELOPED:



ECY 050-12 (Rev. 11/89)

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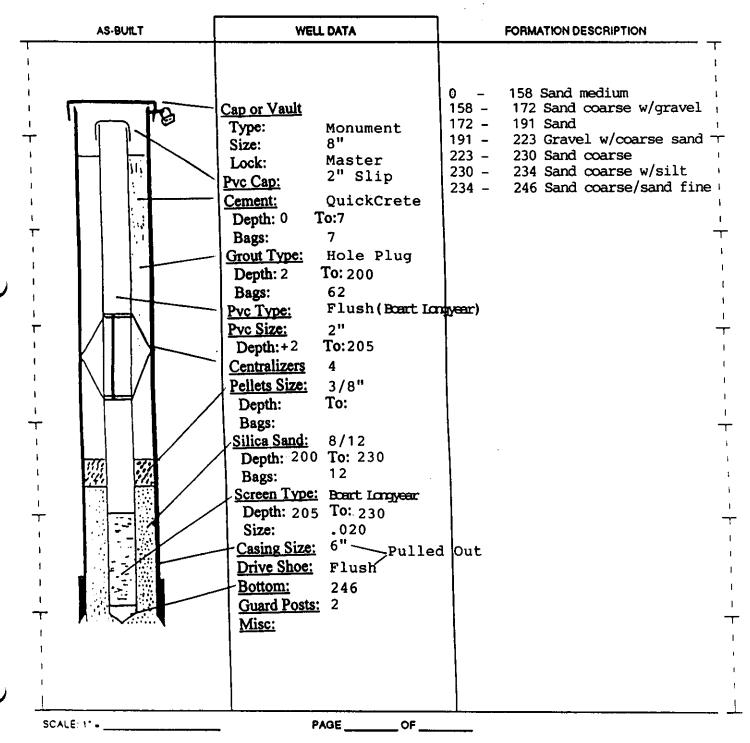
WELL NUMBER SAJB #7

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 26 North, Range 43 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 30, NE 1/4 of the SE 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 211.97 feet btc (7/24/98) COMPLETED: July 24, 1998 LOGGER: C. Golik ** Well located in County ROW (Rhoades Avenue) 50 feet east of intersection with Whitehouse St. 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot by 2-foot square 200 205 4- Dia./type of well casing 2-inch Schedule 40 PVC 246 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 12 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 62 50-pound bags Development method Surge block and bail Development time 4.5 hours 35 Estimated purge volume 10 gallons Comments WA Ecology well ID - AEB876 Borehole backfilled from 241 - 246 with sandpack 6-inch

START CARD NO. <u>R035112</u>

PROJECT NAME:SAJB #1362366.DC.50	county: <u>Spokane</u>
WELL IDENTIFICATION NO. AEB876	LOCATION:NE 14 SE 14 Sec 30 Twn 26N R 43EW
DRILLING METHOD: Rotary	STREET ADDRESS OF WELL: Rhoades Ave. East
ORKLER: Martin Jensen	of Whitehouse Intersection
FIRM: Fogle Pump & Supply	WATER LEVEL ELEVATION:
SIGNATURE: Martin lensen/mo	GROUND SURFACE ELEVATION:
CONSULTING FIRM: CH2M Hill	INSTALLED: 7-23-98
REPRESENTATIVE: Mark Henry	DEVELOPED:
•	



ECY 050-12 (Rev. 11/89)



WELL NUMBER SAJB #8

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 45 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 5, NW 1/4 of the NW 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 93.50 feet btc (7/29/98) COMPLETED: July 29, 1998 LOGGER: C. Golik ** Well located on Pentzer Development Corp. property, east of Barker Road, approx 200 feet south of Trent 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot by 2-foot square 79 83 4- Dia./type of well casing 2-inch Schedule 40 PVC 128 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 7 100-pound bags 3/8-inch bentonite Holeplug chips 7- Type of seal a) Quantity used 20 50-pound bags Development method Surge block and bail Development time 1.5 hours 40 Estimated purge volume 10 gallons Comments WA Ecology well ID - AEB877 Borehole sloughed from 123 - 128 prior to installation Steel casing left in borehole from ground surface to 45 feet bgs

6-inch

PROJECT NAME: SATB #136236, WELL IDENTIFICATION NO. AEB877 ORILLING METHOD: ROTATY DRILLER: Martin Jensen FIRM: Fogle Pump & Sur SIGNATURE: Wattin Jenses CONSULTING FIRM: CH2N Hill REPRESENTATIVE: Mark Henry AS-BUILT	LOCATION STREET A East S Pply WATER LE GROUND INSTALLE	EVEL ELEVATION: 93 SURFACE ELEVATION: DO 7-29-98 ED:	N. Barker Rd. RECEIVED
SCALE: 1'-	Cap or Vault Type: Above Ground Size: 8" Lock: Master Pvc Cap: 2" Slip Cement: Quick Crete Depth: 0 To: 2 Bags: 7 Grout Type: Hole Plug Depth: 2 To: 72 Bags: 20 Pvc Type: Boart Longyear Pvc Size: 2" Depth: +2 To:83 Centralizers 3 Pellets Size: Depth: To: Bags: Silica Sand: 8/12 Depth:83 To: 123 Bags: 6 Screen Type: Boart Longyear Depth:83 To: 123 Size: .020 2" Casing Size: 6" Drive Shoe: Flush Bottom: 123' - Cap Guard Posts: 3 Misc:	78 - 97 Coarse 97 - 99 Gravel 99 - 121 Coarse silt 121- 128 Gravel brown Drilled to 128' to 123'. The de Cathy Golick an on site. Plug w casing. It was Monument instal was in tact. Ga approximately.	avel avel, cobble avel, cobble as sand, gravel as sand, brown clay as sand, pea gravel, and, coarse sand,

ECY 050-12 (Rev. 11/89)



WELL NUMBER SAJB #9

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 43 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 15, NW 1/4 of the SW 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 73.5 feet btc (8/14/98) COMPLETED: August 14, 1998 LOGGER: C. Golik ** Well located in City ROW on the NW corner of Fiske and Olive 1- Ground elevation at well 2- Top of casing elevation Yes a) vent hole? 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot by 2-foot square 60 66 4- Dia./type of well casing 2-inch Schedule 40 PVC 110 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 12 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 20 50-pound bags Development method Surge block and bail Development time 2 hours 40 Estimated purge volume 10 gallons Comments WA Ecology well ID - AEK201 Borehole backfilled with sand from 106 to 110 6-inch

PROJECT NAME: CATE #430000	START CARD NONUSSII
PROJECT NAME: SAJB #136236.DC.50	COUNTY: Spokane LOCATION NW W SW W See 15 Two 25N s 43EW
DAILLER: Martin Jensen	STREET ADDRESS OF WELL: NW corner - Fisk Olive
FIRM Fogle Pump & Supply, Inc. SIGNATURE: Martin Jensen / MO	
CONSULTING FIRM: CH2M H111	GROUND SURFACE ELEVATION:
REPRESENTATIVE: <u>Cathy Golick</u>	_ DEVELOPED;

	KS-BUILT	WELL DAYA	FORMATION DESCRIPTION
			0 00 7
		Cap or Vault	0 - 26 Gravel Sand 26 - 31 Coarse Sand
`] (1 PM _	Type: Above gro	31 - 42 Gravel SAnd
['		Size: 8"	42 - 52 Coarse Sand Pea
		Lock: Master	Gravel 52 - 65 Boulders Gravel
		Pvc Cap: 2" Slip	
Ì	-	Cement: Quick Cre	
:		Depth: 0 To: 2	
_] [:i]	Bags: 6	
		Grout Type: Hole Plug	a
		Depth: -2 To: 57	
		Bags: 20	
		Pvc Type: Boart Longve	ar i
_ //		Pvc Size: 2"	
Y .		Depth: +2 To:65	ļ
		Centralizers 3	, '
\	<u> </u>	Pellets Size:	ļ
j		Depth: To:	
		Bags:	
		Silica Sand: 8/12	
in the	रिप्न	Depth: 57 To: 105	
2.73		Bags: 12	
		Screen Type: Boart Langue	er-pc
[.:		Depth: 65 To: 105 Size: .020 2"	
		Casing Size: 6":: Drive Shoe:	
7			
		Bottom: 105	
<i>\</i> \^?\		Guard Posts: 3	
* -	•	Misc:	
			\
			1
••			
- SCALE !	•		f

ECY 050-12 (Rev. 11/89)



WELL NUMBER SAJB #10

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 45 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 8, NW 1/4 of the SW 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 68.72 ft btc (66.6 ft bgs.) on 9/30/98 COMPLETED: September 26, 1998 LOGGER: M. Henry ** Well located in northwest corner of Centennial Trail 2 (Stickup = 2.1 feet) parking lot (State land) 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot diameter 55 62 4- Dia./type of well casing 2-inch Schedule 40 PVC 98 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) Screened zone - 62 to 97 feet bgs 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 20 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 25 50-pound bags Development method Surge block and bail 35 Development time 2 hours Estimated purge volume 15 gallons Comments WA Ecology well ID - AEK211 Ring bit pushed into formation at 97 ft bgs. Borehole backfilled from 98 to 97 ft bgs with sand prior to installation

6-inch

PROJECT NAME: SATE 136236 Amendment #1

WELL IDENTIFICATION NO. ___AEK211

FIRM: Fogle Pump & Supply, Inc.

SIGNATURE: Warten Jensen / Mo

DRILLING METHOD: Air rotary

DRILLER: Martin Jensen

CONSULTING FIRM: CH2MUH111

COUNTY: Spokane LOCATIONNW 14 SW 14 Sec 8 Twn 25 R 45ewm STREET ADDRESS OF WELL: Barker Rd. / Parking lot north of Spokane River/well #1 WATER LEVEL BLEVATION: 66' below grade

START CARD NO. RO35117

GROUND SURFACE ELEVATION:

INSTALLED: 9-26-98

AS-BUILT	WELL DATA		FORMATION DESCRIPTION		
	Cap or Vault Type: Size: Lock: Pvc Cap Cement Depth: Depth: Bags: Grout Type Depth: Bags: Pvc Type Pvc Size Depth: Pvc Size Depth: Bags: Silica Sand Depth: Bags:	To: 8/12 To: 20 .010 pvc	0 - 8 8 - 12 12 - 65 65 - 72 72 - 78 78 - 97	Gravel, sand, silt Coarse sand	
		•			

ECY 050-12 (Rev. 11/89) .



WELL NUMBER SAJB #11

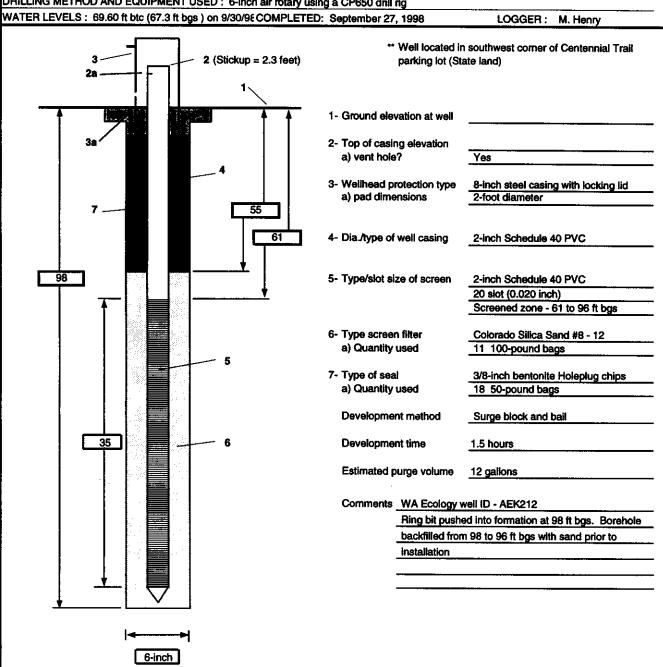
WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program

LOCATION: Township 25 North, Range 45 East

DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA

DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig



DRILLING METHOD: Air rotary DRILLER: Martin Jensen FIRM: Fogle Pump & Supply, Inc., SIGNATURE: WATER LEASEN MO CONSULTING FIRM: CH2M Hill REPRESENTATIVE: Mark Henry		START CARD NO. R035117 COUNTY: Spokane LOPATION: NW SW M Sec 8 Twn 25 R45ewm STREET ADORESS OF WELL: Barker Rd. / Parking lot Refer of Spokane River / well #2 WATER LEVEL ELEVATION: 66' below grade GROUND SURFACE ELEVATION: INSTALLED: 9-27-98 DEVELOPED:			
AS-BUILT	WELL DATA		F	PRIMATION DESCRIPTION	
	Size: 8" Lock: Pvc Cap Locking Cement Quicker Depth: 0 To Bags: 3 Grout Type 3/8" 1 Depth: -1 To Bags: 18 Pvc Type Sch 40 Pvc Size 2" Depth: +2 To Centralizers 2 Pellets Size Depth: To Bags: Silica Sand 8/12 Depth: 55 To Bags: 11 Screen Type .010	rete : -1 noleplug : 55 : 60 : 97 ovc : 95	15 - 65 65 - 72 72 - 78 78 - 97	Pea gravel Gravel, sand Gravel, sand, silt Coarse sand	
SCALE: 1**	PAGE	OF			

ECY 050-12 (Rev. 11/89)



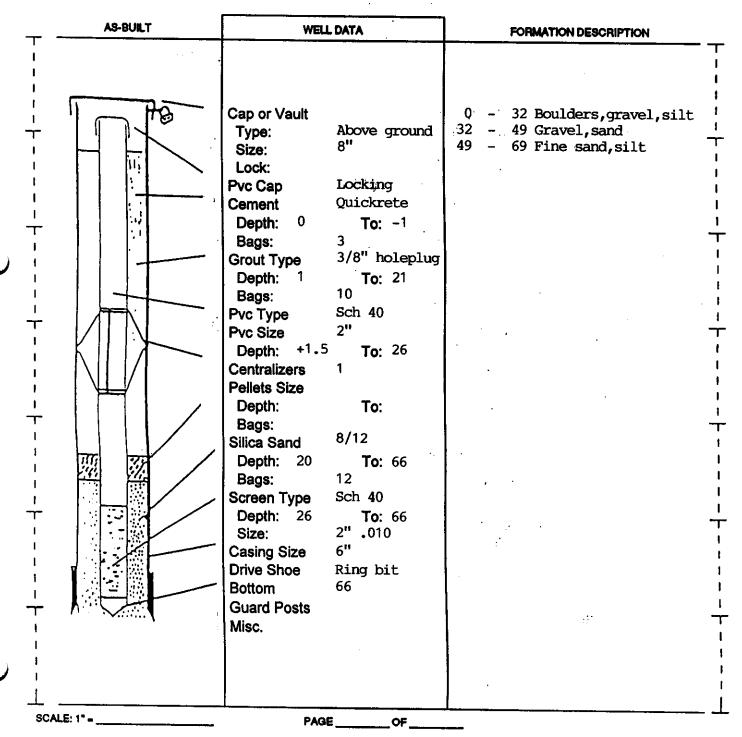
WELL NUMBER SAJB #12

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 44 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 11, SE 1/4 of the SE 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig WATER LEVELS: 34.74 ft btc (33.4 ft bgs) on 9/30/98 COMPLETED: September 28, 1998 LOGGER: M. Henry ** Well located in Sullivan Park (State land) near bluff 2 (Stickup = 1.3 feet) overlooking the Spokane River 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 8-inch steel casing with locking lid a) pad dimensions 2-foot diameter 20 26 4- Dia./type of well casing 2-inch Schedule 40 PVC 67 5- Type/slot size of screen 2-inch Schedule 40 PVC 20 slot (0.020 inch) Screened zone - 26 to 66 ft bgs 6- Type screen filter Colorado Silica Sand #8 - 12 a) Quantity used 20 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 10 50-pound bags Development method Surge block and bail 40 Development time 1.5 hours Estimated purge volume 18 gallons Comments WA Ecology well ID - AEK214 Ring bit pushed into formation at 67 ft bgs. Borehole backfilled from 67 to 66 ft bgs with sand prior to installation 6-inch

START CARD NO.R035116

PROJECT NAME:SAJB 136236 Amendment #1	county: Spokane
WELL IDENTIFICATION NO. AEK214	LOCATION: SE 14 SE 14 Sec 11 Twn 25 R 44ewm
DRILLING METHOD: Air rotary	STREET ADDRESS OF WELL: N. of Spokane River,
ORILLER: Martin Jensen	W. of Sullivan Rd. in park area (by river)
FIRM: Fogle Pump & Supply, Inc.	WATER LEVEL ELEVATION: 34
SIGNATURE: Martin lensen/mo	GROUND SURFACE ELEVATION:
CONSULTING FIRM: CH2M Hill	NSTALLED: SEpt 28, 1998
REPRESENTATIVE: Mark Henry	DEVELOPED:



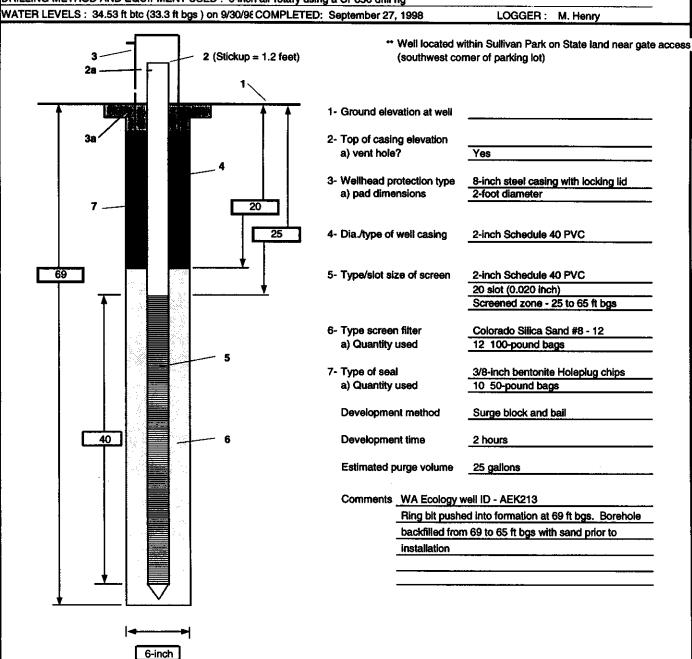


WELL NUMBER SAJB #13

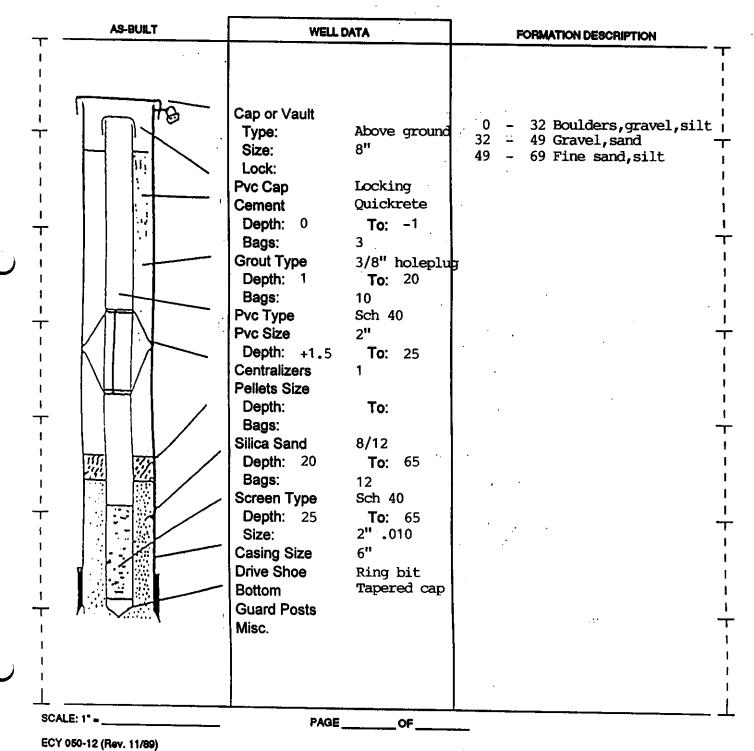
WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 44 East DRILLING CONTRACTOR: Fogle Pump & Supply - Spokane, WA Section 11, SE 1/4 of the SE 1/4

DRILLING METHOD AND EQUIPMENT USED: 6-inch air rotary using a CP650 drill rig



	START CARD NO. R035116
PROJECT NAME: SAJB 136236 Amendment #1	county: Spokane
WELL IDENTIFICATION NO AEK213	LOCATION: SE 14 SE 14 Sec 11 Twn25 R 44ewm
DRILLING METHOD: Air rotary	STREET ADDRESS OF WELL:N. of Spokane River,
DRILLER: <u>Martin Jensen</u>	W. of Sullivan Rd. in park (by gate)
RM: Fogle Pump & Supply, Inc.	WATERLEVEL ELEVATION: 33' below grade
SIGNATURE: Martin Gensen/MO	GROUND SURFACE ELEVATION:
CONSULTING FIRM: CH2M 4111	NSTALLED: Sept. 27, 1998
REPRESENTATIVE: Mark Henry	DEVELOPED:





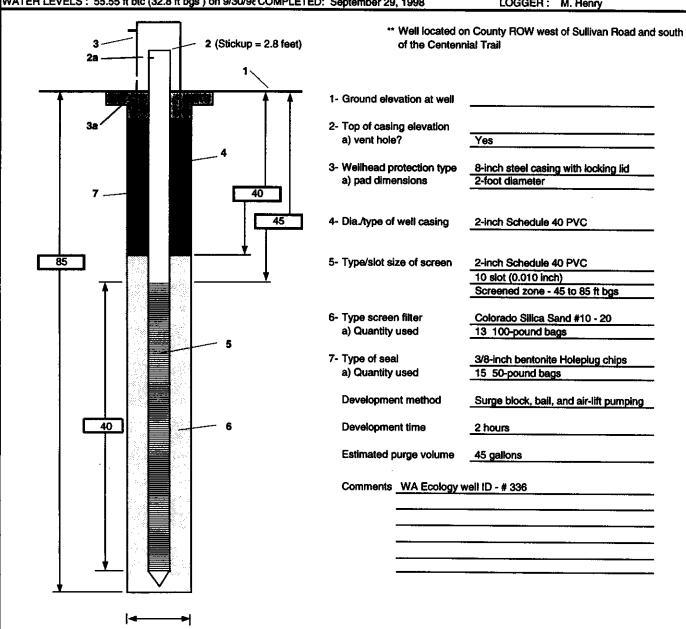
PROJECT NUMBER **WELL NUMBER** 136236.DC.50 **SAJB #14**

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program **LOCATION:** Township 25 North, Range 44 East DRILLING CONTRACTOR: Environmental West Exploration - Spokane, WA Section 11, SE 1/4 of the SE 1/4

DRILLING METHOD AND EQUIPMENT USED: 6-inch TUBEX air rotary using a Mobile B-80 drill rig

WATER LEVELS: 55.55 ft btc (32.8 ft bgs) on 9/30/98 COMPLETED: September 29, 1998 LOGGER: M. Henry



6-inch

509 534 7444 P.03/03

Cope	Original and Fiver Copy with with water WATER WE! with an and Copy — Owner's Copy of Copy — Original Scopy STATE OF W		# 334	
(1)	OWNER: Name SPOKANE COUNTY NO	10 24 W. BROKOWAY		
12)	LOCATION OF WELL: COM SPOKAUE COMMY	55 w 58 ws. // t25	WAR #	MSWM.
(25)	STREET ADDRESS OF WELL (or remains address) /500 N. SILVIVIV			
(3)	PROPOSED USE: C Correctic Industrial Municipal	(10) WELL LOG OF ABANDONMENT PROCEDURE DE	ESCREPTION	N
_	Del/Maser Test Well 50 Other	Formation: Describe by color, character, size of meterful and structure, and a and the kind and nature of the material in each stratum penetrated, with a change of information.	thow thickness it least one anti-	of equiliers y for each
(4)	TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL.	FROM	TO
	Abandoned New well W Method: Dug Bored	TOP SOLL	0'	ZI
	Reconcilioned Rotary (2) Jetted (2)	SAUD / GEVL / SIZT	721	201
(8)	DIMENSIONS: Districtor of well 2 / inches. Orified 85 lest. Depth of completed well 85 It.	CAR / COBRES / CONDES		50' 85'
(B)	CONSTRUCTION DETAILS:			
1 -7	Casing installed: Z" Diam. from 0 t. to 45 t. Welded Diam. from ft. to 2.			
	Participations: Yes No LE Type of perforator used			
	SIZE of perforationsin. byin.			
	perforations fromft. toft.			
	perforations from			
	perforations fromt.			
	Someone: Yes 12 No 1		-	
	Type Model No			
	Diam. Z Stot size 0/0 from V.S' 1 to 85' h.			
	DiemStot sizefromti. totr			
)	Gravel placed from 10 Size of gravel 10/20 SANO R. to 8 CT R.	·		
	Surface seed: Yes 🗗 No 🗌 To what depth?			
	Material used in seel		 	
	Old any strata contain unusuble water? Yes			
	Method of seeling strate of	,		
(7)	PLIMP: Manufacturer's Name			
_	WATER LEVELS: Land-surface elevation	Work Styring 10/29 19. Completed 10-	7.0	. 19 98
(0)	Static level ft. below top of well Date ft.	Work Sharted 707 C 7 19, Completed 78		, 19 <u>7 6</u>
	Artesian pressure bs. par equare inst: Date	WELL CONSTRUCTOR CERTIFICATION:		
	Artesian water to controlled by (Cap, valve, etc.)	t constructed and/or accept responsibility for construction compliance with all Washington well construction standards	s. Materials ui	and its
(10)	WELL TESTS: Drawdown is amount water level is lowored below static level	the information reported above are true to my best knowledg	je and belief.	
	Wise a pump test made? Yes	NAME PRINT FILL ON CONFORMING (1795 CR		
	Yield:brsbrs.	PERIOR FEEL OR CORPORATION (TYPE OR	PRIMIT	
	# P # #	Address		
_	Recovery data (time taken as zero when pump turned off) (water level measured from well	(Signed) Ligana	10 No	
	top to writer level Time Water Level Time Water Level	Contractor's Registration		
_		No Date		19
	Pala Mad	(USE ADDITIONAL SHEETS IF NECESS	ARY)	
	Date of test		-	
	Africat gal./min. with stem set at ft. for hrs.	Ecology is an Equal Opportunity and Affirmative Action		
	Artesian flow	clai accommodation needs, contact the Water Resource 407-8600. The TDD number is (208) 407-8006.	s rro gram 4	AC (2006)
ì	ioniboroma o wast			



WELL NUMBER SAJB #15

WELL COMPLETION DIAGRAM

PROJECT: Spokane Aquifer Joint Board Wellhead Protection Program LOCATION: Township 25 North, Range 45 East DRILLING CONTRACTOR: Environmental West Exploration - Spokane, WA Section 7, SE 1/4 of the NE 1/4 DRILLING METHOD AND EQUIPMENT USED: 6-inch TUBEX air rotary using a Mobile B-80 drill rig WATER LEVELS: 50.15 ft btc (50.7 ft bgs) on 9/30/98 COMPLETED: September 30, 1998 LOGGER: M. Henry ** Well located on County ROW, west of Barker Road and north of the Spokane River 2 (Below ground completion 0.5 feet) 1- Ground elevation at well 2- Top of casing elevation a) vent hole? Yes 3- Wellhead protection type 12-inch steel flush-mount vault with locking lid a) pad dimensions 2-foot diameter 35 40 4- Dia./type of well casing 2-inch Schedule 40 PVC 81 5- Type/slot size of screen 2-inch Schedule 40 PVC 10 slot (0.010 inch) Screened zone - 40 to 80 ft bgs 6- Type screen filter Colorado Silica Sand #10 - 20 a) Quantity used 12 100-pound bags 7- Type of seal 3/8-inch bentonite Holeplug chips a) Quantity used 14 50-pound bags Development method Surge block, bail, and air-lift pumping 40 Development time 2 hours Estimated purge volume 35 gallons Comments WA Ecology well ID - # 337

6-inch

509 534 7444 P.02/03

WATER WELL REPORT

Start Card No. 🖊	1771
UNIQUE WELL LD. #	_337

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Orifler's Copy STATE OF WASHINGTON

(1)	OWNER: Name Sporaur County			
(2)	LOCATION OF WELL: County Spain ALE	NE WE WAS TENNE YESWAR 456WM		
(2a) (2A)	PROPOSED USE: Domestic Industrial D Manicipal C	(10) WELL LOG OF ABANDONMENT PROCEDURE DESCRIPTION		
(3)	☐ Irrigation Test Well E Other ☐	Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each strutum persentate, with charge of information.	show thickness of soulle	
(4)	TYPE OF WORK: Owner's number of well (if more than one)	MATERNAL.	FINCAL TO	
	Abendoned C New well R Method: Dug C Bored C	SAVO / BRYL	0 50	
	Despend □ Cable □ Driven□ Reconditioned □ Rotary (2 Juiled □	SAND / DOV'L / COBB/85	201 50	
		COBAITS / BON/SERS	50 80	
(5)	DMIENSIONS: Diameter of wellinches. Drilledfeet. Depth of completed well			
(6)	CONSTRUCTION DETAILS: Casing installed: Z' Diam. from			
	Perforations: Yes No E Type of perforation weed SIZE of perforations in. by			
	perforations fromf. to	·		
	Screens: Vis 🔀 No 🗆 Ménufecturer's Name			
•	Type			
_	Gravel placed from No , Size of gravel			
	Surface seed: Yes 2 No To what depth?			
	Did any strata contain unusable water? Yes 🔲 No 🖳		+	
	Type of water? Depth of strata			
	Method of seeiing stretz off			
m	PUMP: Manufacturer's Nome			
(8)	WATER LEVELS: Land-oursizes allowation above mean year level R.	Work Started	18	
•	Static level 1. below top of well Date	WELL CONSTRUCTOR CERTIFICATION:		
	Artesian water is controlled by (Cap, valve, etc.)	I constructed end/or accept responsibility for construct compliance with all Weshington well construction stands	ion of this well, and it	
(8)	WELL TESTS: Drawdown is amount water level is towered below static level Was a pump test made? Yes \(\text{No.} \) No \(\text{If yes, by whom?} \(the information reported above are true to my best knowled MAME PURION, FIRM, OR CORPORATION (1996)	edge and belief.	
_	Yleid:tc drawdown aftertrs.	-i		
_	. , ,		nnse No.	
_	Plecovery chite (time taken as zero when pump tumed off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level	Contractor's Registration		
_		(USE ADDITIONAL SHEETS IF NECE		
	Date of test		on employer. For sp	
	Artesian Row	cial accommodation needs, contact the Water Resou 407-6600. The TDD number is (206) 407-6006.	rces Program at (20	