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WELL DRILLER'S REPORT

1. WELL TAG NO. D DO056585

JUL 06 2009

DRILLING PERMIT NO 856768

Water Right or Injection Well No.

IDWR/North

2. OWNER:

Name KEN ZANOL

Address 17208 E. MORNINGSIDE LANE

City GREENACRES State WA Zip 99016

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. Or Directions to Well.

Twp. 48 North ☒ or South ☐Rge. 03 East ☐ or West ☒

Sec. 5 NW 1/4 NE 1/4

Gov't Lot 10 acres 40 acres 160 acres

County KOOTENAI

Lat: 47:32:18.99N Long: 116:45:11.53W

Address of Well Site E. DEER ROAD

City HARRISON

Lt. Blk. Sub. Name

4. USE:

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

5. TYPE OF WORK check all that apply

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight/Volume	Seal Placement Method
BENTONITE	0	40	7 SACKS	OVERBORE

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 234'Was drive shoe seal tested? ☒ Y ☐ N How? AIRPRESSURE

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	234	250	STEEL	☒	☐	☒	☐

Length of Headpipe 236' Length of Tailpipe N/A

Packer ☒ Y ☐ N Type 6X10 SHALE TRAP @ 40' ON CASING

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method		N/A					
Screen Type & Installation			N/A				
From	To	Slot Size	Number	Diameter	Material	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

140 Ft. below ground Artesian pressure lb.

Depth flow encountered ft. Describe access port or control devices:

STEEL CAP WELDED

Office Use Only			
Well ID No.	Rge	Sec	1/4
Twp	1/4	1/4	1/4
Lat:	:	Long:	:

12. Well Tests:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
12		238	2 HRS

Water Temp. COLD Bottom hole temp COLD

Water Quality test or comments: APPEARS CLEAR W/NO ODOR

Depth first Water Encounter 140

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	
				Y	N
			CLAY, TAN W/BASALT COBBLE		X
8	25	40	CLAY, TAN W/BASALT COBBLE		X
8	40	135	BASALT, BROKEN & DECOMPOSED		X
8	135	140	BASALT, BLACK, BROKEN		X
8	140	150	BASALT, VERY BROKEN (2GPM)	X	
8	150	155	BASALT, BLACK, HARD (3GPM)	X	
8	155	180	CLAY, BLACK		X
8	180	215	CLAY, BROWN		X
8	215	221	CLAY, GRAY		X
8	221	234	BASALT, BLACK, HARD (7GPM)	X	
8	234	238	CLAY, GRAY, HARD PAN		X
6	234	238	BASALT, BLACK BROKEN (12GPM)	X	

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Completed	238	(Measurable)
Depth		
Date	Start 6-21-09	Completed 6-23-09

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

 Company Name AMERICAN WELL DRILLING Firm No. 675
 Principal Driller *Steve A. Munnell* Date 6-24-09

 And
 Driller or Operator II _____ Date _____
 Operator I _____ Date _____

 Principal Driller and Rig Operator Required
 Operator I must have signature of Driller/Operator

48N 03W 05