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Mark
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228/442/5826
9256

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765) WATER RESOURCES DEPT.

(START CARD) # 9256

(1) OWNER: SALEM, OREGON
Name Atlas Precious Metal Inc.
Address 743 Horizon Court Suite 202
City Grand Junction State Colorado Zip 81506

(9) LOCATION OF WELL by legal description:
County Malheur Latitude _____ Longitude _____
Township 22 S N or S, Range 44 E E or W, WM.
Section 5 NW 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

(10) STATIC WATER LEVEL:
_____ ft. below land surface. Date 12-17-88
Artesian pressure _____ lb. per square inch. Date _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(11) WATER BEARING ZONES:
Depth at which water was first found 145-255

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No
Explosives used Yes No Type _____ Amount _____
Depth of Completed Well 425 ft.

From	To	Estimated Flow Rate	SWL
145	255	20 gpm	40
325	355	60 gpm	40
380	420	150 gpm	40

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
14 1/4"	0 18	Bent. Crnt	79' 0'	25 SACKS	
		Mixed	48 Bent		
		to 100# of Cement (Portland)			
		to 5.5 gal of water			

(12) WELL LOG: Ground elevation 3520

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from 425 ft. to 100 ft. Size of gravel Col. Silca #8

Material	From	To	SWL
Overburden of Boulders	0	17	0
Clay (Brown)	17	140	0
Sand Stone w/ Blue Clay	140	255	40
Blue Clay	255	320	40
Sand Stone w/ Blue Clay	320	355	40
Blue Clay	355	380	40
Frac. (Hard) Sand Stone	380	415	40
Blue Clay	415	425	40

(6) CASING/LINER:
Casing: Diameter 10" From +2 To 99 Gauge .250 Steel Plastic Welded Threaded
Liner: 6" From +2 To 425 Size 80 Steel Plastic Welded Threaded
Final location of shoe(s) _____

After setting 1 week water will come up to gr. level

(7) PERFORATIONS/SCREENS:
 Perforations Screens
Type 1120 Type 1 Astm 1785 Material PUC 50480

Between 6" & 10" from 100' to Mr. Level Annular space is filled with Volcanic Bent. pellets

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
40	255	.020		6"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
325	355	.020		6"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
380	420	.020		6"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date started 12/5/88 Completed 12/19/88

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min 150 Drawdown 40 Drill stem at 405 Time 1 hr.
60 40 Set At 120 3 hr.

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed Robert H. Doty WWC Number 1202 Date 12/28/88

Temperature of water _____ Depth Artesian Flow Found See 11
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: 145-255, 325-355

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed Robert H. Doty & William E. Doty WWC Number 325 Date 12/28/88

9 WATER WELL REPORT
STATE OF OREGON

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2275

State Well No. 225/44E/50a
State Permit No. 9256

PLEASE TYPE or PRINT IN INK
DEC 19 1988

WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:
Name Atlas Precious Metal, Inc.

Address _____
City _____ State _____

(2) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):
Rotary Air Driven Domestic Industrial Municipal
Rotary Mud Dug Irrigation Test Well Other
Cable Bored Thermal: Withdrawal Reinjection

(5) CASING INSTALLED: Steel Plastic
Threaded Welded
10" Diam. from +2 ft. to 99 ft. Gauge 250
6" Diam. from +2 ft. to 245 ft. Gauge Sch. 80

LINER INSTALLED:
" Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS: Perforated? Yes No
Type of perforator used _____
Size of perforations in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS: Well screen installed? Yes No
Manufacturer's Name Aardvark
Type P.V.C. Sch. 80 Model No. _____
Diam. 6" Slot Size .020 Set from 380 ft. to 420 ft.
Diam. 325-355 Slot Size _____ Set from 145 ft. to 255 ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Well: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Air test 150 gal./min. with drill stem at 420 ft. 1 hrs.
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION: Special standards: Yes No
Well seal—Material used Bent. & Cement Grout
Well sealed from land surface to 18 ft.
Diameter of well bore to bottom of seal 12 1/4 in.
Diameter of well bore below seal 9 7/8 in.
Number of sacks of cement used in well seal 10 sacks
How was cement grout placed? Pressure Grout

Was pump installed? NO Type _____ HP _____ Depth _____ ft.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of Water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: NO. 8
Gravel placed from 100 ft. to 245 ft.

(10) LOCATION OF WELL:
County Molhuer Driller's well number 9256
NW 1/4 NE 1/4 Section 5 T. 22S R. 44E W.M.
Tax Lot # _____ Lot _____ Blk _____ Subdivision _____
Address at well location: _____

(11) WATER LEVEL: Completed well.
Depth at which water was first found _____ ft.
Static level _____ ft. below land surface. Date _____
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing _____
Depth drilled _____ ft. Depth of completed well _____ ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Overburden w/ Boulders	0	17	0
Clay Brown	17	140	0
Sandstone w/ Blue Clay	140	255	40
Blue Clay	255	320	40
Sandstone w/ Blue Clay	320	355	40
Blue Clay	355	380	40
Fruited Hard Sandstone	380	415	40
Blue Clay	415	425	40

Work started 12-5 1988 Completed 12-10 1988
Date well drilling machine moved off of well 12-11 1988

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] _____ Date 12-15, 1988

Bonded Water Well Constructor Certification:
Bond # BD7900518665 Issued by: Allied
(number) Surety Company Name _____

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Bill Doty Drilling Co., Inc.
25497 Freeze Out Rd. (Type or print)
Address Caldwell, ID 83605
[Signed] _____ Water Well Constructor
Date 12-14, 1988

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion. SP*45292-690