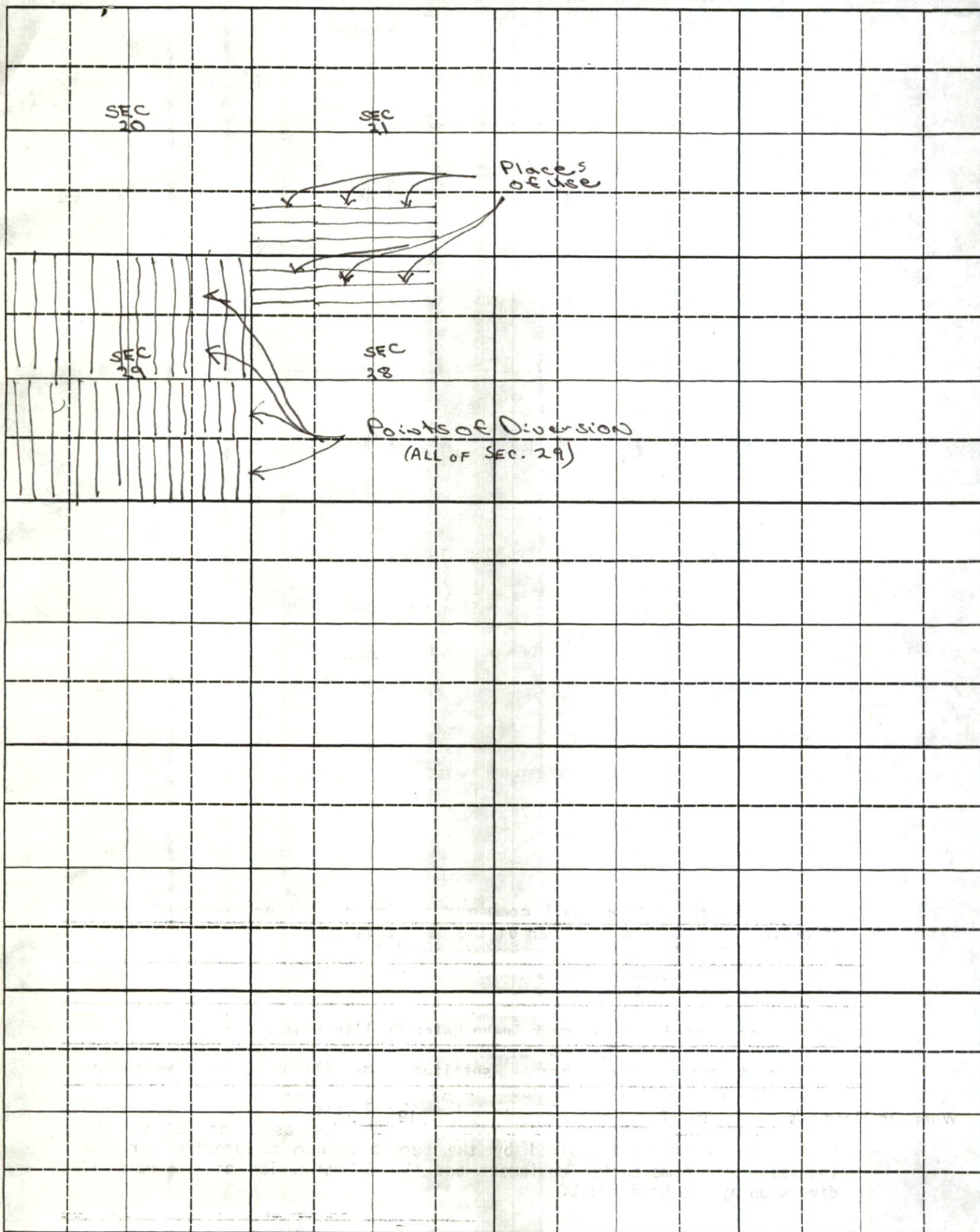


14. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Coeur d'Alene Mines Corporation

James G. W. Healy

(Applicant)

President

MICROFILMED

ANN OBERLY - ENVIRONMENTAL
CORP.
ROBIN PRUETT - MAINT.
SUPERVISOR

EXAM DATE

EXAM DATE
26615 OCT 95 130 AUG - 17, 1989

SEE MAIN MAP IN 77-07211 showing pln

82
2/20/92

POINT OF
USE

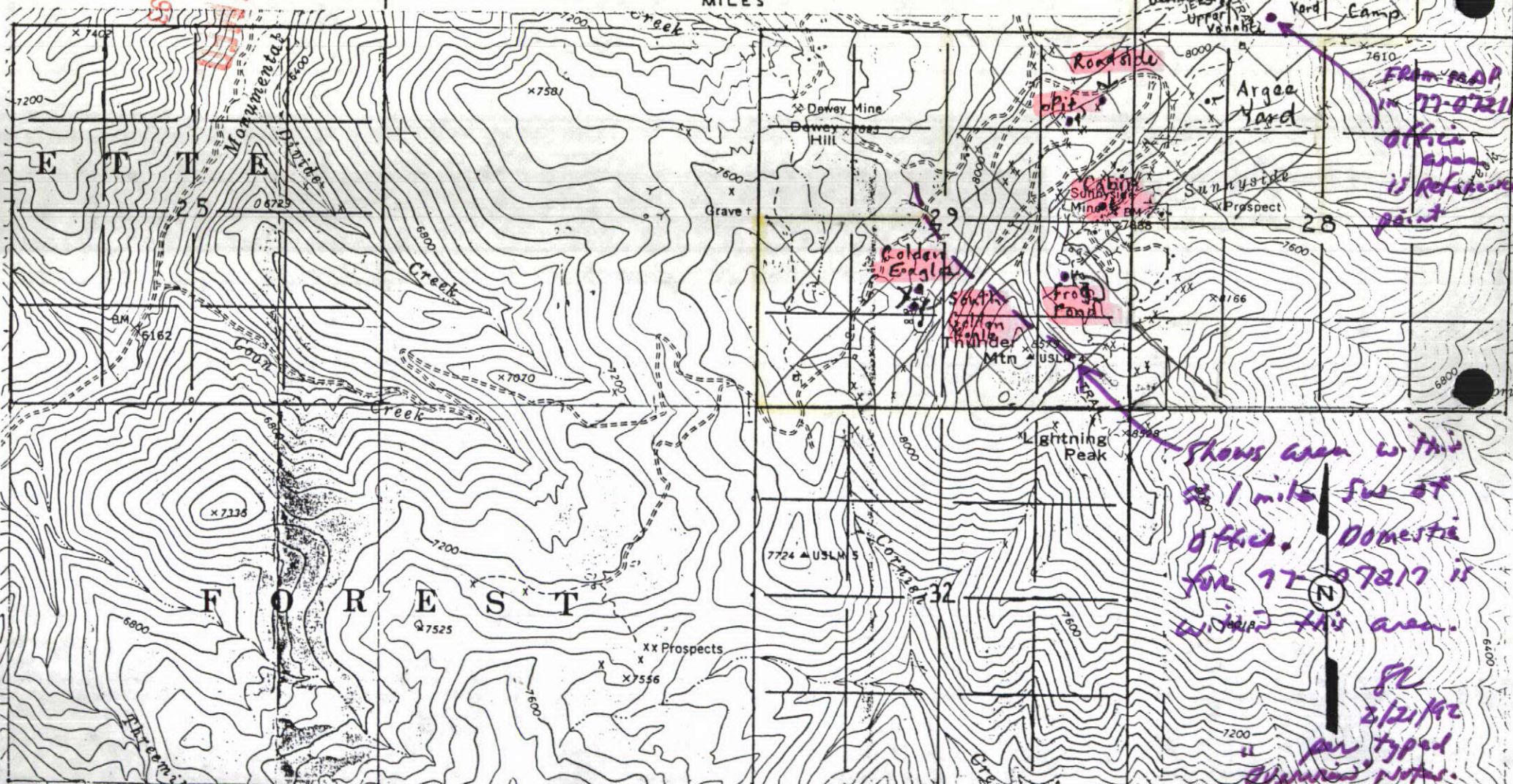
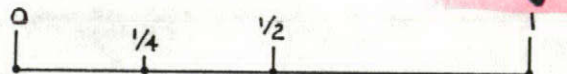


POINT OF
DIVERSION

T19N

RIOE	RHE
------	-----

MILES



From: P.A.P.
In: 77-07211
Office
is Reference
Point

Shows area within
2.1 mile SW of
office. Domestic
fun 77-07217 is
within this area.

82
2/21/92

200
" per typed
" " notes.

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF IDAHO }

SS.

County of Valley }

Judy Brooks being duly sworn deposes and says, I am the bookkeeper of the Star-News, a weekly newspaper published at McCall, in the County of Valley, State of Idaho; that said newspaper is in general circulation in the county of aforesaid and is a legal newspaper; that the Notice of Correction, a copy of which is attached hereto and made a part hereof, was published in said newspaper once a week for two consecutive weeks in the regular and entire issue of every number thereof during the period and time of publication, and was published in the newspaper proper and not in a supplement; and that publication of such notice began May 30 19 84 and ended June 6 19 84.

Judy Brooks
Subscribed and sworn to before me this the
6th day of June 19 84.

[Signature]
Notary Public in and for the State of
Idaho, residing at McCall
therein.

NOTICE OF CORRECTION

Notice is hereby given that notice of Application for a Water Right Permit No. 65-12711 in the name of Coeur Explorations Inc. was published in error on 5/2 and 5/9/84.

The Number was advertised as being 65-12711 Whereas, the actual Water Right Number is 77-7217.

Also, the place of use was advertised as being in the NWNE, NENW Sec 28 T19N R11E, SWSW, SESW, SWSE Sec 21 T19N R11E.

Whereas, the actual Place of Use is NWNE, NWNW, NENW Sec 28 T19N R11E SWSW, SESW, SWSE Sec. 21 T19N R11E

If issued, the permit will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Department of Water Resources, Statehouse, 450 W. State Street, Boise, ID 83720 on or before June 18, 1984.

Ken Dunn, Director
Published in The Star-News
on 5/30 and 6/6/84.

MICROFILMED

RECEIVED
JUN 8 1984

Department of Water Resources
Western Regional Office

PUBLISHER'S AFFIDAVIT OF PUBLICATION

RECEIVED
MAY 11 1984

STATE OF IDAHO }

SS.

County of Valley }

Department of Water Resources

Judy Brooks being duly sworn deposes and says, I am the bookkeeper of the Star-News, a weekly newspaper published at McCall, in the County of Valley, State of Idaho; that said newspaper is in general circulation in the county of aforesaid and is a legal newspaper; that the Notice of Application, a copy of which is attached hereto and made a part hereof, was published in said newspaper once a week for two consecutive weeks in the regular and entire issue of every number thereof during the period and time of publication, and was published in the newspaper proper and not in a supplement; and that publication of such notice began May 2 19 84 and ended May 9 19 84.

Judy Brooks
Subscribed and sworn to before me this the
9th day of May 19 84.

Tom Grot

Notary Public in and for the State of
Idaho, residing at McCall
therein.

NOTICE OF APPLICATION FOR WATER RIGHT
The following application(s) have been filed to appropriate the public waters of the State of Idaho:
65-12711 138
COEUR EXPLORATIONS INC.
2417 BANK DR. SUITE 302, BOISE, ID 83705
Source: GROUNDWATER
Date Filed: 04/17/1984
Diversion Pt: NESE NWSE SESE SWSE SENE NENE NWNE SWNE NENW NWNW SWNW SENW NESW NWSW SWSW SESW
Sec 29-T 19N-R 11E
Use: MINING (0.88 CFS); DOMESTIC (0.12 CFS)
In: NWNE NENW Sec 28 T 19 N R 11E SWSW SESW SWSE Sec 21 T 19N R 11E
The permit(s) will be subject to all prior water rights. Portests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 21, 1984.
KEN DUNN, Dir.
Published 05/02 & 05/09/84

RECEIVED
MAY 11 1984

Department of Water Resources
Western Regional Office

MICROFILMED

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 77-07217

Priority: April 17, 1984

Maximum Diversion Rate: 0.82 CFS
Maximum Diversion Volume: 34.5 AF

This is to certify, that COEUR EXPLORATIONS INC
2417 BANK DR STE 302
BOISE ID 83705

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated April 17, 1984; and
has submitted Proof of Beneficial Use on August 15, 1988. An examination indicates
that the works have a diversion capacity of .820 cfs of water from a **GROUNDWATER**
source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
MINING	01/01 to 12/31	0.79 CFS	25.7 AF
MINING STORAGE	01/01 to 12/31		1.8 AF
MINING FROM STORAGE	01/01 to 12/31		1.8 AF
DOMESTIC	01/01 to 12/31	0.03 CFS	7.0 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.79 CFS	
	Totals	0.82 CFS	34.5 AF

LOCATION OF POINT(S) OF DIVERSION:

NENE , Sec. 29, Township 19N, Range 11E
SENE , Sec. 29, Township 19N, Range 11E
NESW , Sec. 29, Township 19N, Range 11E
NESE , Sec. 29, Township 19N, Range 11E
VALLEY County

PLACE OF USE: MINING

TWN RGE SEC

19N 11E 21	NESW	SWSW	SESW
	SWSE		
28	NENW	NWNW	SWNW
	SENW	SWSW	
29	NENE	NWNE	SWNE
	SENE	NESW	NWSW
	SWSW	SESW	NESE
	NWSE	SWSE	SESE

PLACE OF USE: MINING FROM STORAGE, same as MINING use

PLACE OF USE: DOMESTIC

TWN RGE SEC

19N 11E 29	NESW	NESE	NWSE
	SWSE	SESE	

RECORDED
OCT 25 1993

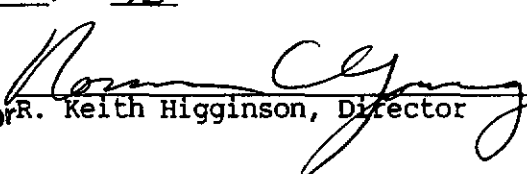
State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 77-07217

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. The issuance of this right in no way grants any right-of-way or easement across the land of another.
6. When water used under this right is discharged into the natural channel, settling ponds must be maintained which are capable of reducing the silt load to such a level that the quality of water will not be impaired for other beneficial uses.
7. Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
8. Two points of diversion are located within NENE, S29, T19N, R11E.
9. Two points of diversion are located within NESW, S29, T19N, R11E.
10. Mining use is for multiple operations for gold extraction and dust control.
11. Domestic use is for a mining camp and facilities.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 7TH day of September, 1993.

Acting for  R. Keith Higginson, Director

OCT 25 1993

APPROVED

State of Idaho
Department of Water Resources

RECEIVED

AUG 31 1993

Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 77-07217

Date of Priority: April 17, 1984

Maximum Diversion Rate: 0.82 CFS
Maximum Diversion Volume: 34.5 AF

Comes now
2417 BANK DR STE 302
BOISE ID 83705

COEUR EXPLORATIONS INC

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 77-07217, and requests that the permit be changed as follows:

Source: GROUNDWATER

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
MINING	01/01 to 12/31	0.79 CFS	25.7 AF
MINING STORAGE	01/01 to 12/31		1.8 AF
MINING FROM STORAGE	01/01 to 12/31		1.8 AF
DOMESTIC	01/01 to 12/31	0.03 CFS	7.0 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.79 CFS	
Totals		0.82 CFS	34.5 AF

LOCATION OF POINT(S) OF DIVERSION:

NENE , Sec. 29, Township 19N, Range 11E
SENE , Sec. 29, Township 19N, Range 11E
NESW , Sec. 29, Township 19N, Range 11E
NESE , Sec. 29, Township 19N, Range 11E
VALLEY County

PLACE OF USE: MINING

TWN RGE SEC

19N 11E 21	NESW	SWSW	SESW
	SWSE		
28	NENW	NWNW	SWNW
	SESW		
29	NENE	NWNE	SWNE
	SENE	NESW	NWSW
	SWSW	SESW	NESE
	NWSE	SWSE	SESE

PLACE OF USE: MINING FROM STORAGE, same as MINING use

PLACE OF USE: DOMESTIC

TWN RGE SEC

19N 11E 29	NESW	NESE	NWSE
	SWSE	SESE	

OCT 25 1993

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 77-07217

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Boise, Idaho, this 30 day of August, 1993.

Anne Marie Oberly
(Signature)
Agent for Coeur Explorations, Inc.

RECEIVED
OCT 25 1993

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 77-07217

FOR DEPARTMENT USE ONLY

Preliminary check by BC Fee = 20⁰⁰ Received by CA # C028468 Date 8-31-93 ✓

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, R. Keith Higginson, of the Department of Water Resources hereby approve the above Application for Amendment for Permit No. 77-07217 with the following;

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. The issuance of this right in no way grants any right-of-way or easement across the land of another.
6. When water used under this right is discharged into the natural channel, settling ponds must be maintained which are capable of reducing the silt load to such a level that the quality of water will not be impaired for other beneficial uses.
7. Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
8. Two points of diversion are located within NENE, S29, T19N, R11E.
9. Two points of diversion are located within NESW, S29, T19N, R11E.
10. Mining use is for multiple operations for gold extraction and dust control.
11. Domestic use is for a mining camp and facilities.

RECORDED
OCT 25 1993

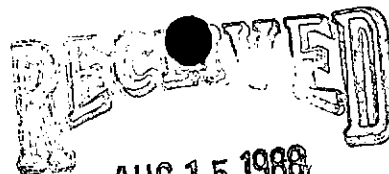
State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 77-07217

Witness my hand this 7TH day of September, 1993.

Norman C. Young
Acting for R. Keith Higginson, Director

RECEIVED
OCT 25 1993



For Office Use Only
Fee Received \$100.00
Date 8/16/88
Receipt # 0008243
Receipt by CP
Reviewed by M
Sent to region 22-88

STATE OF IDAHO

AUG 15 1988

DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 77-7217

Name(s) of Permit Holder: Coeur Explorations, Inc.

Post Office Address: 2417 Bank Dr., Suite 302, Boise, ID 83705

Telephone No. (208) 385-0373

Source of Water: Groundwater

Extent of Use:

Domestic 200 people (number of households)

Stockwater (number and type of stock)

Irrigation (acres)

Other/Remark Mining/Milling

Total rate and/or volume for which proof is submitted 1.0 cfs acre-feet

Show the date water was first diverted and beneficially used under this permit: August 1984

Measuring Device: Required? Yes ☒ No ☒
Installed? Yes ☒ No ☒

Fee enclosed \$ 100.00
(See License Examination Fee Schedule)

Flow Measurement Port: Required? Yes ☒ No ☒
Installed? Yes ☒ No ☒

Person to contact to accompany the Department representative during the field examination:

R.K. (Ivan) Urnovitz, Coeur d'Alene Mines Corporation
(Name)

See Above
(Telephone Number)

See Above

(Address)

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

OCT 12 1988

8/12/88

Date

R.K. Urnovitz

Signature of Permit Holder (and title, if appropriate)

Governmental Affairs Assistant Manager

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant Coeur Explorations, Inc. Phone (208) 385-0373

Post office address Suite 302 2417 Bank Drive Boise, Idaho 83705

2. Source of water supply Groundwater which is a tributary of

3. Location of point of diversion is $\frac{NE}{SE}$ $\frac{1}{4}$ of $\frac{SE}{SE}$ $\frac{1}{4}$ of Section 29 Township 19N

Range 11 E B.M. Valley County, additional points of diversion if any:
~~100 SE 1/4 NE 1/4, NW 1/4, SW 1/4, NE 1/4, NW 1/4, SW 1/4, SE 1/4~~
~~SE 1/4 SW 1/4 of SW 1/4 Sec 21 T19N R1E (6 points) NRSW, NWSW, SWSW,~~
~~SESW, Sec 29 19N 11E VALLEY~~

4. Water will be used for the following purposes:

Amount 0.12 for Domestic purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 0.88 for 4 mill. levy purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 1.0 cfs cubic feet per second and/or b. — acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Wells with pumps

Pipelines and storage tanks

b. Height of storage dam	feet, active reservoir capacity	acre-feet; total reservoir
--------------------------	---------------------------------	----------------------------

capacity acre-feet, materials used in storage dam:

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is 6 inches; proposed depth of well is 200-450 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial

use is 5 years (minimum 1 year – maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: 11 E % of 11 E % of Section 11 E Township 19 N

Range 11 E B.M.

(2) Amount of power to be generated: horsepower under feet of head.

(3) List number of each kind of livestock to be watered

(4) Name of municipality to be served _____, or number of families to be _____

supplied with domestic water 200 people

(5) If water is to be used for other purposes describe: mining & milling

(5)

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP.	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres to be irrigated _____

c. Describe any other water rights used for the same purposes as described above. _____

Permit No. 77-7211

9. a. Who owns the property at the point of diversion Coeur d'Alene Mines Corp

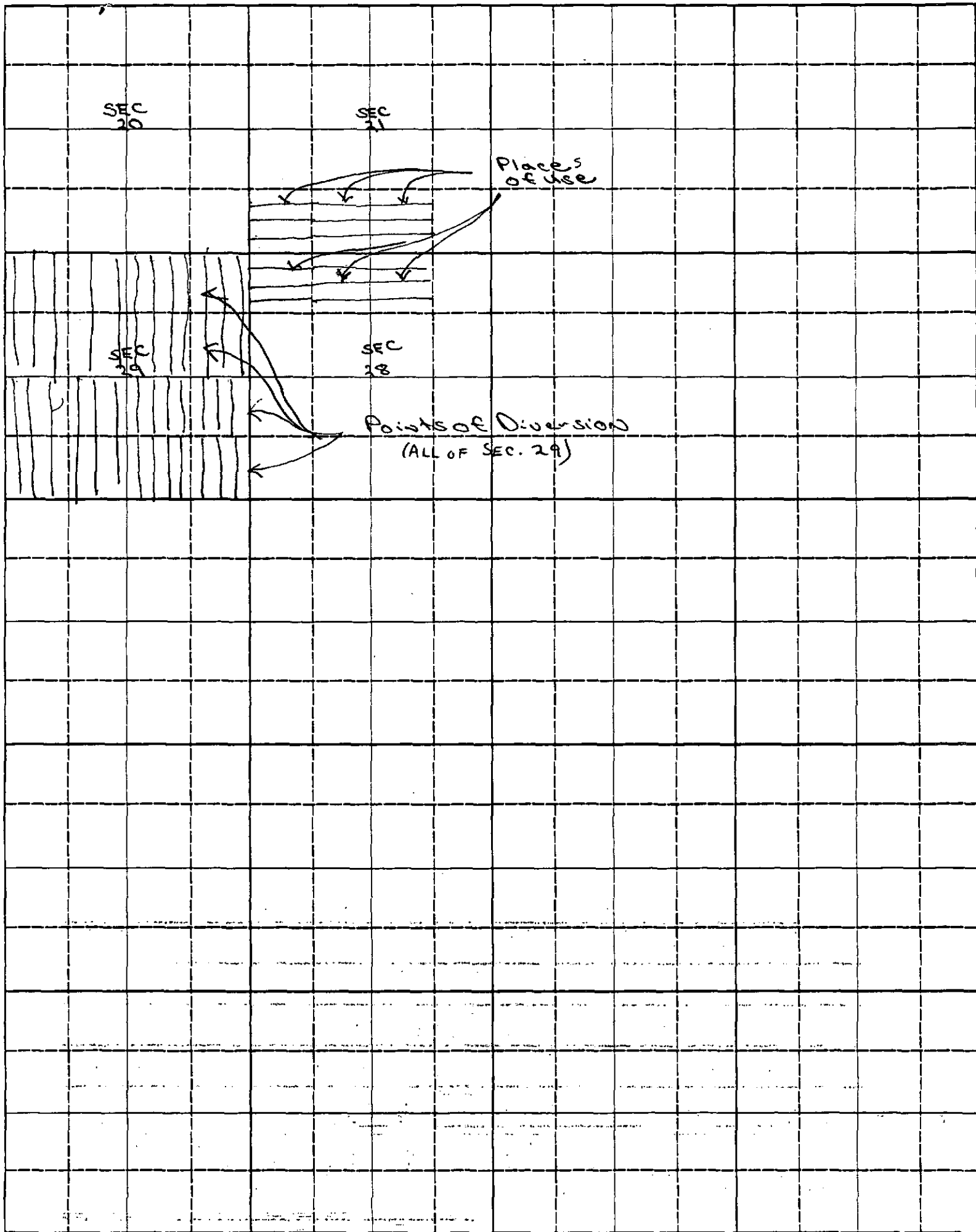
b. Who owns the land to be irrigated or place of use Coeur d'Alene Mines Corp

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing _____

10. Remarks The water will be used at multiple locations in support of the total mining project.

MICROFILMED

1. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Coeur d'Alene Mines Corporation

Dennis G. W. Reedy

President

(Applicant)

RECEIVED

Proposed Priority 4/17/84

Received by JD Date 4/17/84 Time 11:45 AM

Preliminary check by JD Fee \$ 45⁰⁰/₁₀₀

Received by JD Date 4/17/84 # 34401

Publication prepared by jp Date 4/26/84

Published in The Star News

Publication dates 5/3 & 5/10/84 & 5/30 & 6/6/84

Publication approved JP Date 5/11/84 4/8/84

Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by DBS kw

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 77-7217, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 19 89.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. Other: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

The issuance of this permit in no way grants any right-of-way or easement across the land of another.

Water used under this permit if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

In the event that water used under this permit should be discharged into a natural channel, settling ponds will be required which are capable of reducing the silt load to such a level that the quality of the water would not be impaired for other beneficial uses.

A flow measurement port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Witness my hand this 26th day of June, 1984.

J. Glen Saxton
Chief, Operations Bureau

MICROFILMED

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Coeur Exploration Inc.</u> Address <u>2417 Bank Dr. #302 Boise ID 83705</u> Owner's Permit No. <u>77-84-C-0001-000</u>	7. WATER LEVEL Static water level <u>47'</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ <i>Describe artesian or temperature zones below.</i>																																										
2. NATURE OF WORK <u>W.R. 77-07217</u> ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td>65</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">testing not completed</td> </tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	65			testing not completed																																			
Discharge G.P.M.	Pumping Level	Hours Pumped																																									
65																																											
testing not completed																																											
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th rowspan="2">Wa Yes</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>9"</td> <td>0</td> <td>35</td> <td>clay - tan</td> <td></td> </tr> <tr> <td></td> <td>35</td> <td>75</td> <td>intense clay - gray</td> <td></td> </tr> <tr> <td></td> <td>75</td> <td>170</td> <td>SAND - gray, buff</td> <td>x</td> </tr> <tr> <td></td> <td>170</td> <td>185</td> <td>clay sand - gray</td> <td>x</td> </tr> <tr> <td></td> <td>185</td> <td>255</td> <td>sand - gray brown</td> <td>x</td> </tr> <tr> <td></td> <td>255</td> <td>295</td> <td>sand clay - gray, brown</td> <td>x</td> </tr> <tr> <td></td> <td>295</td> <td>320</td> <td>sand - buff</td> <td>x</td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Wa Yes	From	To	9"	0	35	clay - tan			35	75	intense clay - gray			75	170	SAND - gray, buff	x		170	185	clay sand - gray	x		185	255	sand - gray brown	x		255	295	sand clay - gray, brown	x		295	320	sand - buff	x
Bore Diam.	Depth		Material	Wa Yes																																							
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	255	295	sand clay - gray, brown	x																																							
	295	320	sand - buff	x																																							
4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. Work started <u>8-9-84</u> finished <u>8-84</u>																																										
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>3/8</u> inches</td> <td><u>6</u> inches</td> <td><u>1</u> feet</td> <td><u>180</u> feet</td> </tr> <tr> <td><u>3/8</u> inches</td> <td><u>6</u> inches</td> <td><u>280</u> feet</td> <td><u>300</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☒ Yes ☐ No How perforated? ☒ Factory ☐ Knife ☐ Torch Size of perforation <u>2 1/2</u> inches by <u>1/8</u> inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>2280</u> perforations</td> <td><u>180</u> feet</td> <td><u>280</u> feet</td> </tr> <tr> <td><u>456</u> perforations</td> <td><u>300</u> feet</td> <td><u>320</u> feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Well screen installed? ☐ Yes ☐ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>100'</u> Material used in seal: ☒ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	<u>3/8</u> inches	<u>6</u> inches	<u>1</u> feet	<u>180</u> feet	<u>3/8</u> inches	<u>6</u> inches	<u>280</u> feet	<u>300</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	<u>2280</u> perforations	<u>180</u> feet	<u>280</u> feet	<u>456</u> perforations	<u>300</u> feet	<u>320</u> feet	_____ perforations	_____ feet	_____ feet	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Lang Exploratory</u> Firm No. <u>438</u> Address <u>185 W. 3300 So.</u> Date <u>8-24-84</u> <u>SLC, Utah 84115</u> Signed by (Firm Official) <u>[Signature]</u> <u>[Signature]</u> (Operator)										
Thickness	Diameter	From	To																																								
<u>3/8</u> inches	<u>6</u> inches	<u>1</u> feet	<u>180</u> feet																																								
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_____ perforations	_____ feet	_____ feet																																									
6. LOCATION OF WELL <u>unsurveyed</u> Sketch map location <u>must</u> agree with written location. Subdivision Name _____ Lot No. <u>3111-07</u> Block No. <u>1000</u> County <u>BLM</u> Crown <u>NE 1/4 Sec. 29 T. 19 N. 8W. 12 E. 12</u>	7. WATER LEVEL Static water level _____ feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ <i>Describe artesian or temperature zones below.</i>																																										

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Coeur Exploration Inc.
2417 Bank Drive #302
Address Boise, Idaho 83705
Owner's Permit No. 77-84-C-0003-0002. NATURE OF WORK W.R. 77-07217

- ☒
- New well
- ☐
- Deepened
- ☐
- Replacement
-
- ☐
- Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

- ☐
- Domestic
- ☐
- Irrigation
- ☐
- Test
- ☐
- Municipal
-
- ☒
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other _____ (specify type)

4. METHOD DRILLED

- ☒
- Rotary
- ☒
- Air
- ☐
- Hydraulic
- ☐
- Reverse rotary
-
- ☐
- Cable
- ☐
- Dug
- ☐
- Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>3/8</u> inches	<u>6</u> inches	<u>1</u> feet	<u>120</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☒ Yes ☐ NoPerforated? ☒ Yes ☐ NoHow perforated? ☒ Factory ☐ Knife ☐ TorchSize of perforation 2 1/2 inches by 1/8 inches

Number	From	To
<u>3420</u> perforations	<u>120</u> feet	<u>300</u> feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 100 Material used in seal: ☒ Cement grout☐ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld☐ Cemented between strata

Describe access port _____

7. WATER LEVEL

Static water level 18 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>60</u>		

testing not completed

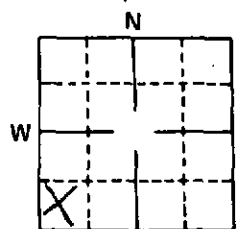
9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
9"	0	35	sand - buff		x
	35	85	sand clay - gray		x
	85	90	clay - gray		x
	90	95	sand clay - gray	x	
	95	145	sand - brown	x	
	145	300	sand clay - gray brown	x	

RECEIVED
AUG 30 1984Department of Water Resources
Western Regional OfficeRECEIVED
AUG 27 1984

Department of Water Resources

10.

Work started 8-6-84 finished 8-9-846. LOCATION OF WELL unsurveyedSketch map location must agree with written location.Subdivision Name MICROFILMED

Lot No. _____ Block No. _____

JUN 09 1998

V211ay

County Elk 581° 52' 42" E

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.Firm Name Lang Exploratory Firm No. 438Address 185 W. 3300 So. Date 8-24-84

SLC, Utah 84115

Signed by (Firm Official) _____

and

(Operator) K. DuPlacBy R. Maye



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

September 7, 1993

COEUR EXPLORATIONS INC
2417 BANK DR STE 302
BOISE ID 83705

RE: WATER RIGHT NO. 77-07217

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved application for amendment.

Should you have any questions regarding these documents, please feel free to contact this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jim Johnson', written over a circular stamp that contains the text 'JIM JOHNSON Water Rights Supervisor'.

JJ:dc

Enclosure

RECEIVED

OCT 25 1993



Coeur d'Alene Mines
CORPORATION

RECEIVED
AUG 31 1993
Department of Water Resources

August 30, 1993

Mr. Jim Johnson, Water Rights Supervisor
State of Idaho, Department of Water Resources
1301 North Orchard Street, Statehouse Mail
Boise, Idaho 83720-9000

RE: Water Right Licensing: Numbers 77-07217, 77-7211, 77-201

Dear Mr. Johnson:

Enclosed are the signed applications for amendment for the above referenced water rights. Also attached is a check to the State of Idaho for sixty dollars as requested to fulfill the filing fee requirements.

If you have any questions please contact me or Mr. Rick Richins at (208) 385-0373.

Sincerely,

Anne Oberly
Anne Oberly

RECEIVED

OCT 25 1993

400 Coeur d'Alene Mines Building
505 Front Avenue/P.O. Box 1
Coeur d'Alene, Idaho 83814
(208) 667-3511
FAX (208) 667-2213

2417 Bank Drive, Suite 302
Boise, Idaho 83705
(208) 385-0373
FAX (208) 342-4365



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

August 10, 1993

COEUR EXPLORATIONS INC
2417 BANK DR STE 302
BOISE ID 83705

RE: WATER RIGHT NO. 77-07217

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed application for amendment contains information that will be included on the license when it is issued. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee within 14 days.

If you do not concur with these findings or if you have any questions, please contact me within the 14-day period.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jim Johnson', written over a horizontal line.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure

RECEIVED
OCT 25 1993

OCT 25 1993

WR0749NP
No. L77-07217

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 08/09/93
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	COEUR EXPLORATIONS INC 2417 BANK DR STE 302 BOISE ID 83705 (208) 385-0373	04/17/1984	MINING MINING STORAGE MINING FROM STORAGE DOMESTIC DIVERSION TO STORAGE	01-01 12-31 01-01 12-31 01-01 12-31 01-01 12-31 01-01 12-31	0.79 CFS 0.03 CFS 0.79 CFS	25.7 AFA 1.8 AFA 1.8 AFA 7.0 AFA
TOTAL DIVERSION:					0.82 CFS	34.5 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.82 CFS

Point(s) of Diversion: T19N R11E S29 NE NE SE NE NE SW NE SE

Place of use Legal Description for: MINING

NE				NW				SW				SE													
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:		
19N	11E	21	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
19N	11E	28	:					:	M	M	M	M	:	M		M	M	:			M			:	
19N	11E	29	:	M	M	M	M	:	M	M	M	M	:	M	M	M	M	:	M	M	M	M		:	

Place of use location for MINING FROM STORAGE is the same location as described for: MINING

Place of use Legal Description for: DOMESTIC

NE				NW				SW				SE													
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:		
19N	11E	29	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
19N	11E	29	:					:					:	D				:	D	D	D	D		:	

Pou County: VALLEY

~~Non-Irrigation Uses: D/200 PEOPLE~~

Other Rights: 77

Conditions of Approval:

- 004 - The issuance of this right in no way grants any right-of-way or easement across the land of another.
- R06 - When water used under this right is discharged into the natural channel, settling ponds must be maintained which are capable of reducing the silt load to such a level that the quality of water will not be impaired for other beneficial uses.
- 09E - Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

(A)

WR0749NP
No. L77-07217

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 08/09/93
PAGE: 2

=====

Remarks: Two points of diversion are located within NENE, S29, T19N,
R11E.
Two points of diversion are located within NESW, S29, T19N,
R11E.
Mining use is for multiple operations for gold extraction and
dust control.
Domestic use is for a mining camp and facilities.

Dates: App. Received: 04/17/1984 Priority Date: 04/17/1984
Proof Due Date: 06/01/1989 Proof Made Date: 08/15/1988
Exam Made Date: 08/17/1988 Exam Sent to S.O.: 04/15/1992
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Audit: 08/09/93 CHAPMAN

WELLS = TO FIRE WATER
1 + 6 POND
1
(P) measured @ .062 cfs

WELLS = FOR DOMESTIC
2 + 3 USE
1
(P) (50 man campsite)
measured .027 cfs

WELLS = ORE CRUSHING OR
4 + 5 FIRE WATER POND
1 1
(P) (P) OR INTO TRUCK
measured .73 cfs

OCT 25 1993

(P) pumps installed

LICENSE REVIEW CHECKLIST

Permit # 77-7217

Date 8-10-93

Brenda Chapman

	Yes	No	
NAME	☒	☐	Or Address Change?
PRIORITY DATE	☒	☐	Advance? _____ Memo to Advance _____
	☒	☐	Order to Reinstate Needed?
SOURCE	☒	☐	Changes? Clarification of Originally Intended source _____
	☒	☐	Notice of Intent to Void - Source change.
P/D	☒	☐	Amendment Needed? <u>JUST DELETE & CORRECT</u>
	☐	☐	Is Overlap Analysis a Consideration?
P/U	☒	☐	Amendment Needed? _____
	☐	☐	Is Overlap Analysis a Consideration?
TOTAL CFS	☒	☐	Incorrect Fee for rate recommended?
WELLS WITH PUMPS ARE:	☒	☐	Disagree/Measurement <u>5+10 GAL BUCKETS</u> - From 4
Wells 2, 4, 5 & 6	☒	☐	Pumping Theoretical $8.8 \times .70 \times$ <u>WELLS WITH PUMPS IN them. #5</u>
	☒	☐	$+ 2.31 \times$ <u>has two pumps</u>
TOTAL VOLUME	☒	☐	System Capacity <u>.82 CFS</u>
workers @ 50 gpd:	☒	☐	Allowable Amount: <u>CAPACITY / .82 CFS</u>
00 x 182 days = 455,000 GAL	☒	☐	Rate/ac _____ AFA Irr. Season _____
25850 = 1.4 af	☒	☐	Standard Irr. Season _____
to / internal domestic = 11.4	☒	☐	Season Recommended _____
USES	☒	☐	Disagree with Examiner's Calculations? <u>5.6 = 7.19 MINING @ 25.7 AF .03 DOMESTIC @ 1.4 + 1/4 = 12</u>
	☒	☐	Flow limit: <u>.79</u> x 182 x 1.9835 = <u>285.1</u>
	☒	☐	Change(s) in Nature of Use? <u>2/NENE + 2/NESW</u>
	☒	☐	Amendment Needed? <u>Add storage components</u>
REMARKS	☒	☐	Multiple P/Ds in 1/4 1/4? _____
	☒	☐	Non-Irr. Uses <u>MINING + DOMESTIC</u>
	☒	☐	Special Overlap Condition _____
	☒	☐	Other _____
CONDITIONS	☒	☐	Measuring/Locking Devices _____ Misc/Dates _____
	☒	☐	W/Master Control _____ Water Dist _____
	☒	☐	Irrigation Overlap <u>4-17-84</u> App Rec'd _____
	☒	☐	Water Quality <u>8-17-89</u> Exam Made _____

COMMENTS: all figures are calculated based on 182 days of actual operation.

	RECOMMENDED	CFS	VOL
13- <u>MINING</u>	<u>.79</u>	<u>25.7</u>	
14- <u>MINING STOR</u>	<u>-</u>	<u>1.8</u>	
15- <u>MINI FROM STOR</u>	<u>-</u>	<u>1.8</u>	
43- <u>DOMESTIC</u>	<u>.03</u>	<u>12.8</u>	7.0
55- <u>DIU TO STOR</u>	<u>.79</u>	<u></u>	

ADD USES &
Amend Plu

LICENSE

AMEND ☒

* 1984 Agreement doesn't affect this permit. 34.5

MEMORANDUM

TO: FILES

FROM: STEVE LESTER

DATE: FEBRUARY 21, 1992

SUBJECT: EXAMS FOR PERMITS 77-07123 -07124 -07129 -07201 -07211 -07217

These permits for the mining operations at Thunder Mtn. Mine should be reviewed together. The examiner did a good job of describing these and making recommendations.

Note condition of approval that rights -07124 -07129 -07201 should not exceed .50 cfs when combined. Likewise, rights -07123 -07201 should not exceed .48 cfs (use of same pump at different locations means capacity limitation).

Storage occurs at the Fire Water pond location and equals two ponds for 1.8 af. Water is diverted from several surface water sources and several wells to the pond system. Pond water is then withdrawn for a variety of mining uses. All rights with storage recommendations should reflect the storage capacity not to exceed 1.8 af. Storage is determined on the 24-hr. rule. Storage occurs in SESW S.21 per topo in -07211.

It is debatable if wells should include storage but appears that they should. If not, perhaps another method to estimate mining volume requirement (Vr) would be needed.

To estimate mining Vr, I used available information as shown in -07124. About five loads per day (5 loads for each truck) formed the basis of the estimate. This seems reasonable based on examining similar mining sites. This method was used for the wells even though well water is not used to fill trucks. No other information is available, and it seems reasonable to use this method to estimate mining Vr, which is a crude estimate under the best of circumstances.

Domestic P/U was determined from the topo and typed notes ("overview"). Domestic use does not occur in all of the mining tracts.

* The area is an unsurveyed site. Amendments for P/D and P/U should not require a fee because of this. However, other amendments will require a fee (N/U).

For all of the permits, proof of b.u. was filed in 1988 and SRBA claims are not required.

* No basis for this theory - disregard. BL

MICROFILMED

OCT 25 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 77-7217

1. Owner: COEUR-THUNDER MOUNTAIN INC Phone No. 385-0373
Current Address: 2417 BANK DR SUITE 302 BOISE ID. 83705
2. Accompanied by: ANN OBERLY - ENVIRONMENTAL COORD. EXAM. DATE: 8-17-89
AND ROBIN PRUETT - MAINT. SUPERVISOR Phone No. _____

Relationship to Permit Holder: _____

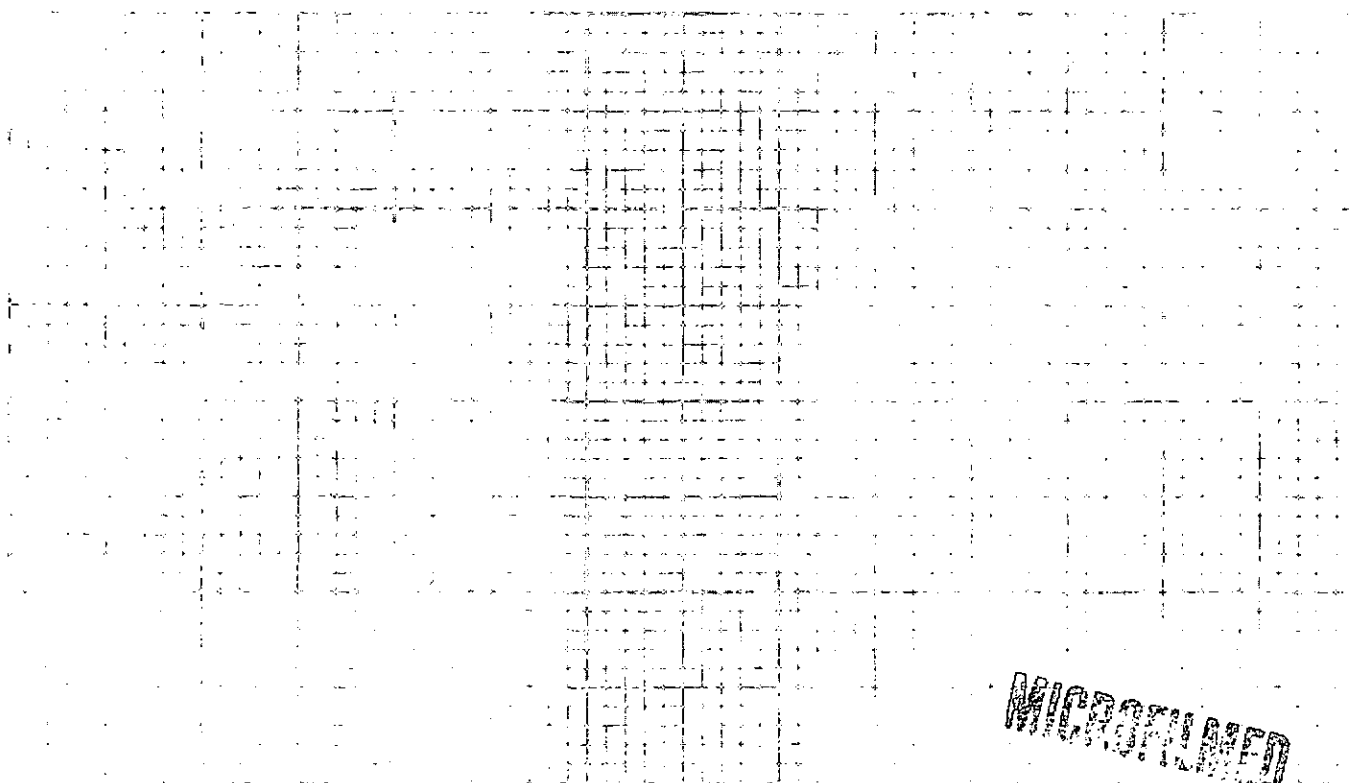
3. Source: GROUNDWATER tributary to _____
(6 POINTS)

B. OVERLAP REVIEW

1. Other water rights with same place of use: SEE SUPPLEMENTAL REPORT FOR
OVERLAP REVIEW ☐ Copies Attached
2. Other water rights with same point of diversion: _____
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☒ Alternative diagram attached



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Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☒ Photo of Diversion and System Attached
/ (required for all but single household domestic groundwater, and stockwater.

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

THIS PERMIT CONSISTS OF 6 WELLS WITH 4 HAVING PUMPS INSTALLED. WELLS # 1 AND 6 SUPPLY WATER TO THE FIRE WATER POND FOR USE IN THE EXTRACTION PROCESS. WELLS # 2 & 3 ARE USED FOR DOMESTIC USE (A 50 MAN CAMP WHICH IS SEPERATE FROM THE CAMP DESCRIBED IN 77-7211). WELLS 4 & 5 SUPPLY WATER TO EITHER THE ORE CRUSHING OPERATION, TO THE FIREWATER POND FOR THE EXTRACTION PROCESS, OR IS PUMPED INTO TRUCKS FOR DUST CONTROL ON THE ROADS.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WELL # 2	UNKNOWN	10HP	UNKNOWN	UNKNOWN	2"
WELL # 4	UNKNOWN	10 HP	UNKNOWN	UNKNOWN	2 1/2"
WELL # 5 A	UNKNOWN	2- 10HP SUBM. PUMPS TIED INTO 1 MANIFOLD			2" TO A 3" MANIFOLD
# 5 B	BRIGGS & STRATTON	3 HP	88041803	BRIGGS & STRATTON	2"
# 6	UNKNOWN	10 HP	UNKNOWN	UNKNOWN	2"

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

5. **Point(s) of Diversion:**

SEE SUPPLEMENTAL FOR ALL 6 P/D'S

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
1.			SE	NE	29	19N	11E	VALLEY	QUAD MAP
2			NE	SW	29	"	"	"	
3			NE	SW	29	"	"	"	
4			NE	NE	29	"	"	"	
5			NE	NE	29	"	"	"	
6			NE	SE	29	"	"	"	

6. **Place(s) of Use:**

Indicate Method of Determination

QUAD MAP

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
19N	11E	21									X		X	X			X		
		28					X	X	X	X			X						
		29	X	X	X	X					X	X	X	X	X	X	X	X	
19N	11E	29									D				D	D	D	D	

Cabin well

Golden Eagle

So. Golden Eagle

Roadside

The Pit

* Frog Pond

Mining

Domestic

* Per topo report notes
8/24/92

RECORDED
INDEXED

Do not use this space

OCT 25 1993

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
WELL #2 FLOW METER		ROCKWELL		37756123	2"	
WELL #4 FLOW METER		ROCKWELL		38698772	2"	
WELL #5A SAME METER AS WELL #4						
STOPWATCH / 5 GAL BUCKET						
6 FLOW METER		ROCKWELL		37806108	2"	

2. Measurements:

* DOMESTIC → WELL #2 - 10 GAL IN 49.5 SEC = $\frac{10 \text{ GAL}}{49.5 \text{ SEC}} \cdot \frac{60 \text{ SEC}}{\text{MIN}} \cdot \frac{1 \text{ CFS}}{448.8 \text{ GAL/MIN}} = 0.027 \text{ CFS}$

MINING { WELL #4 - 10 GAL IN 5.6 SEC = $\frac{10 \text{ GAL}}{5.6 \text{ SEC}} \cdot \frac{60 \text{ SEC}}{\text{MIN}} \cdot \frac{1 \text{ CFS}}{448.8 \text{ GAL/MIN}} = 0.239 \text{ CFS}$

WELL #5A - 10 GAL IN 8.5 SEC = $\frac{10 \text{ GAL}}{8.5 \text{ SEC}} \cdot \frac{60 \text{ SEC}}{\text{MIN}} \cdot \frac{1 \text{ CFS}}{448.8 \text{ GAL/MIN}} = 0.157 \text{ CFS}$

#5B - 5 GAL IN 2 SEC = $\frac{5 \text{ GAL}}{2 \text{ SEC}} \cdot \frac{60 \text{ SEC}}{\text{MIN}} \cdot \frac{1 \text{ CFS}}{448.8 \text{ GAL/MIN}} = 0.334 \text{ CFS}$

PER NARRATIVE { WELL #6 - 10 GAL IN 21.4 SEC = $\frac{10 \text{ GAL}}{21.4 \text{ SEC}} \cdot \frac{60 \text{ SEC}}{\text{MIN}} \cdot \frac{1 \text{ CFS}}{448.8 \text{ GAL/MIN}} = 0.062 \text{ CFS}$

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

TOTAL = 0.819 CFS

1. Measured Method:

* Domestic = .027 = .03
Mining = .819 - .027 = .792 = .79

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

* $V_R = 25.7 \text{ sec } 77-07124$
 $V_D = (.79)(365)(1.9835) = 571.9$ - MINING

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

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

ALLOW 25.7 AFA
FILMED

OCT 11 1993

* 2. Volume Calculations for Other Uses:

$0.03 \times 365 \times 1.9835 = 21.7 \text{ AFA} = V_D$

50 MAN CAMP

50 GAL PER DAY * 50 MEN = 2,500 GAL/DAY * 0.00118 = 2.8 AFA

PLUS:

INT. domestic 19 units per "Golden Eagle" Field notes:

$(19)(.6) = 11.4 \text{ afa} = V_{R2}$

$V_{R1} + V_{R2} = 2.8 + 11.4 = 14.2 \text{ AFA}$

$365 \div 325,850 \approx .00112 \times 2500 = 2.8$

DOMESTIC

H. REMARKS AND OVERLAP REVIEW ANALYSIS

FOR THE SYSTEM DESCRIPTION IN RELATION TO THE OTHER PERMITS SEE THE 4PG OVERVIEW OF WATER RIGHTS

PHOTOS IN FILE 77-7211

- * "Mining" wells provide water to 1.8 a.f. pond. Storage in 24 in. is $.79 \times 1.9835 = 1.6$ a.f. which suggests need for div. to storage, mining storage, and mining. farm storage. See 77-07211 for similar situation. If that permit will include storage components, then 77-07217 should also. If so, amend nature of use to show .79 cfs div. to storage; 1.8 a.f. mining storage/mining fr. storage, total volume $25.7 + 28 + 1.8 = 30.3$
 $\frac{14.2}{41.7}$

I. RECOMMENDATIONS

* 1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	.79 Q (cfs)	V (afa)
MINING	1-1	12-31	0.82 CFS	25.7
DOMESTIC	1-1	12-31	0.03 CFS	14.2 28 AFA
Totals:			0.82 CFS	28 AFA

2. Recommended Amendments NO FEE FOR P/U AMENDMENT IN UNSURVEYED AREA.

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above
☐ Change P.U. as reflected above ☒ Add P.U. as reflected above

☐ None

☐ Other

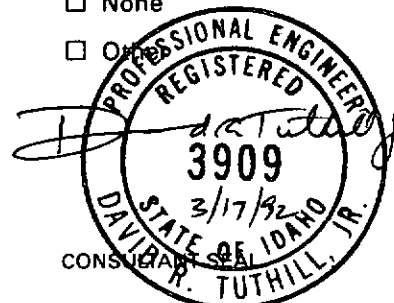
J. AUTHENTICATION

Field Examiner's Name KELLY K. CHRISTENSEN

Signature Kelly K. Christensen

Certification Date _____

Field Report Preparation Date 11-14-89



- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

MICROFILMED

OCT 25 1993

COEUR-THUNDER MOUNTAIN INC.
2417 BANK DR. SUITE 302
BOISE, ID 83705

OVERVIEW OF ALL WATER RIGHTS AS OF 8-17-1989

Coeur-Thunder Mountain, as of this date, has seven water rights. Field exams were completed in 1988 for permits (77-7123, 77-7124, 77-7129, and 77-7201). Permits (77-7211 and 77-7217) were examined in 1988 but after the examination it was determined that additional P/Ds needed to be added to these permits and therefore they were reexamined on 8-17-1989. One permit, (77-7127), is waiting for the Proof of Beneficial Use to be filed. Proof is due in 1990.

As all rights are used in the mining operations and at times overlap in use, this is an overview of all rights as a system. Field notes are included in the individual files as to the conditions that existed at exam time and this is not to replace the notes but to condense and summarize them.

There are two major mining systems, one utilizes the fire water pond and concerns the removal of gold from the ore, and the second relates to the crushing operation. The domestic use is also divided into two different P/U locations with the sources coming from different permits. The original system description below is followed by the revised system description as was found on 8-17-89.

A COPY OF THE ORIGINAL REPORT FOUND IN 77-7124
(this is an overall system description)

Water is initially stored in a plastic lined pit divided into two parts. One portion holds 30,000 gal and acts as a settling pond for any runoff entering the system. The main pond holds 550,000 gal. (volume is from engineers report for Thunder Mtn). The pond is referred to as the "Fire Water Pond".

Water is then used from the pond on the heap leach (chemical extraction process), in the milling operations, to agglomerate the ore, and for dust abatement.

Water from permits 77-7201, 77-7123, 77-7217, 77-7129, and 77-7124 are used in this manner. Delivery from each P/D is described in it's respective field report.

No domestic use was found for the above permits.

Permit 77-7211 is for domestic use but the overflow dumps into the fire water pond. Normal operation is to shut the pump off before water reaches the overflow spout.

END OF REPORT COPY.

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DOMESTIC USE REVIEW

Domestic use is covered by permits 77-7211 and 77-7217. Both permits have multiple P/Ds and also cover mining uses.

Permit 77-7211 supplies water from a well to the domestic use located near the office complex. This use is documented in the original field report dated 8-19-1988. That report is for supplemental use only as the field report dated 8-17-1989 covers the system as it exists now.

Permit 77-7217 supplies water from a well to a 50 man camp site located approximately one mile southwest of the office complex. This is not the camp site described in the report for 77-7211. The original notes are found on a supplemental sheet labeled "Golden Eagle".

PERMITS UTILIZING WATER TRUCKS AS THE PRIMARY METHOD OF CONVEYANCE

Permit 77-7124	aka	Monumental Creek Diversion
77-7129	aka	Coon Creek Diversion
77-7201	aka	Spring to Mule Creek
77-7123	aka	Sunny Side Creek Diversion

These permits utilize portable pumps to fill water trucks which then either dump the water on the road for dust control or into the Fire Water Pond for use in the extraction process.

MILLING AND CRUSHING OPERATIONS

The extraction process primarily consists of sprinkling a chemically treated water solution over crushed ore that has been placed on a water tight mat. The solution is recirculated until it is determined that the maximum extraction has been achieved. The "pregnant" solution is then routed to the lab and the remaining ore is treated with another solution to neutralize to stockpile.

The water use for the milling operation is primarily to maintain the ore at a specific water content and to aid in the agglomeration of the ore.

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SUPPLEMENTAL REVIEW OF PERMIT 77-7211

This permit consists of five different wells. At exam time there were only two wells under this permit with pumps installed but as the normal mining operations shift locations the use of different wells is called for. Rotating pumps between the wells covered under both permits is the standard practice. I am recommending all the wells be considered for licensing as P/Ds, conditioned so that the combined total diversion from each of the wells in use does not exceed the recommended diversion rate.

WELL #	LEGAL DESCRIPTION	ALSO KNOWN AS	WELL USES
1	SW/SW SEC 21 19N,11E	UPPER VENABLE	MINING AND DUST ABATEMENT
2	SW/SW SEC 21 19N,11E	LOWER VENABLE	MINING AND DUST ABATEMENT
3	NW/NW SEC 28 19N,11E	ARGEY YARD WELL	MINING AND DUST ABATEMENT
4	SE/SW SEC 21 19N,11E	BONE YARD WELL	MINING AND DUST ABATEMENT
5	SE/SW SEC 21 19N,11E	CAMP WELL	DOMESTIC, MINING, AND DUST ABATEMENT

WELL MEASURED

2 0.14 CFS (a 10 hp pump)
5 0.17 CFS (a 10 hp pump)

All the above wells are currently used in connection with the extraction process and dust abatement rather than the crushing operations.

Permit is for: Domestic at 0.12 CFS
Mining at 0.38 CFS for a total of 0.50 CFS
Fees paid for: ----- 1.00 CFS MAX

Found: Domestic: main camp, cook shack, office, and lab
Mining: multiple operations for gold extraction and dust control
Domestic diversion: 0.17 CFS (well # 5)
Total diversion rate: 0.31 CFS (wells # 2 and 5)

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SUPPLEMENTAL REVIEW OF PERMIT 77-7217

This permit consists of six wells with the use being both domestic and mining. As with 77-7211, this permit had wells with no pumps installed at exam time. The same rational used with 77-7211 is considered here. I recommend that all six wells be considered as P/Ds and be licensed with the condition that the total diversion from all wells used shall not exceed the licensed rate.

WELL #	LEGAL DESCRIPTION	ALSO KNOWN AS	
1	SE/NE SEC 29 19N,11E	LOWER SUNNY SIDE CABIN WELL	MINING, MILLING AND DUST ABATEMENT
2	NE/SW SEC 29 19N,11E	GOLDEN EAGLE WELL	
3	NE/SW SEC 29 19N,11E	GOLDEN EAGLE WELL, SOUTH	DOMESTIC AND DUST ABATEMENT
4	NE/NE SEC 29 19N,11E	ROAD SIDE WELL	DOMESTIC AND DUST ABATEMENT
5	NE/NE SEC 29 19N,11E	THE PIT	MINING, MILLING AND DUST ABATEMENT
6	NE/SE SEC 29 19N,11E	THE FROG POND WELL	MINING, MILLING AND DUST ABATEMENT

WELL	MEASURED
2	0.027CFS (a 10 hp pump)
4	0.24 CFS (a 10 hp pump)
5	0.16 CFS (2 10 hp pumps tied into a manifold) 0.33 CFS (a centrifugal pump; 3 hp Briggs & Stratton)
6	0.062CFS (a 10 hp pump)

Wells # 1 and 6 currently are used in conjunction with the extraction process; wells # 2 and 3 are used for the domestic use at the auxiliary camp site; and wells # 4 and 5 supply water both to the crushing operations and the extraction process. All wells are at times used for dust abatement.

The permit is for: Domestic at 0.12 CFS
Mining at 0.88 CFS for a total of 1.00 CFS
Fees paid for: ----- 1.00 CFS MAX

Found: Domestic: 50 man auxiliary camp site
Mining: Gold extraction operations, milling, ore
agglomeration, and dust control
Domestic diversion: 0.03 CFS (well # 2)
Total diversion Rate: 0.82 CFS (wells # 2, 4 and 5{with two
pumps})

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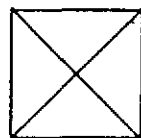
ACCOMPANIED BY
ANN OBERLY - ENVIRONMENTAL
COORDINATOR
ROBIN PRUETT - MAINTENANCE
SUPERVISOR

3615 EXAM DATE
1004UG - 17, 1989

SEE MAIN MAP IN 77-07211 showing plan

82
2/20/92

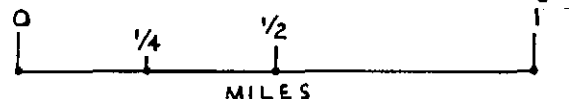
MAP OF PROJECT AREA
BOISE MERIDIAN



POINT OF USE

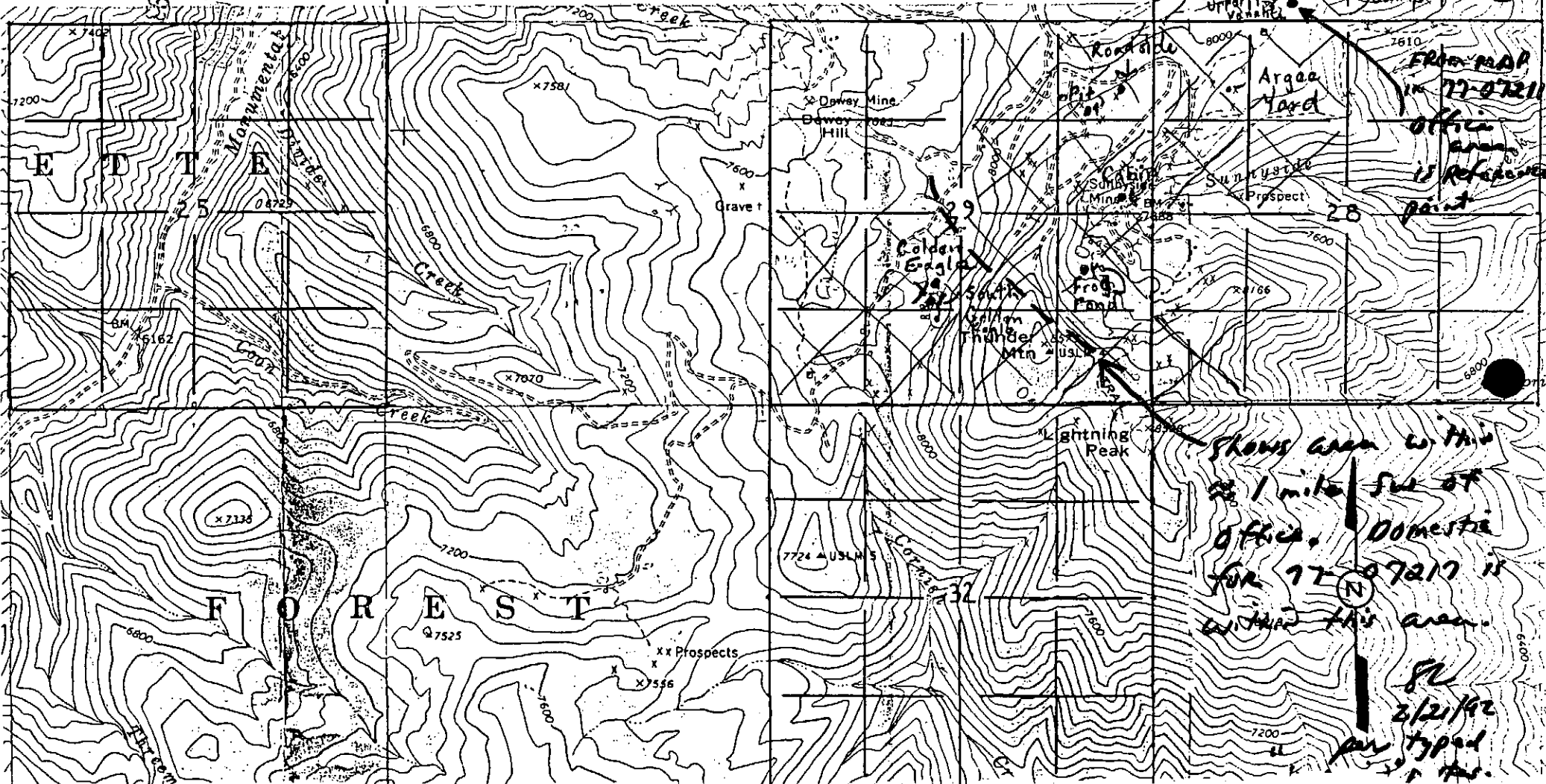


POINT OF DIVERSION



T19N

R10E R11E



Form 238-I
04/88

WR Permit No. 7217
LOWER SUNNYSIDE
CABIN WELL

State of Idaho

Department of Water Resources

WELL INSPECTION FORM

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. SE/NE or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction 1986
Well Driller MENASCO
4. Casing: Diameter 6" Condition GOOD
5. Casing length above land surface 17"
6. Well depth (ft) 300 Flowing NO Temp. _____
Access port OPEN TOP
7. Condition of piping and valving NO PUMP IN SYSTEM
8. Evidence of well seal —
9. Shut in pressure or static water level 60'
10. Evidence of leakage around the casing NO
11. Does well need repair NO JUST A CAP.
12. Comments _____

(OVER)

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OCT 25 1993

inspected by Kelly K. Christensen
on 8-17-89

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Form 238-I
04/88

WR Permit No. 77-7217

GOLDEN EAGLE

State of Idaho

Department of Water Resources

WELL INSPECTION FORM

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1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. NE/SW or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction 1984
Well Driller MAN G. O
4. Casing: Diameter 6" Condition GOOD
5. Casing length above land surface 6"
6. Well depth (ft) 320' Flowing N/A Temp. _____
Access port No
7. Condition of piping and valving OK
8. Evidence of well seal -
9. Shut in pressure or static water level UNKNOWN 85' FROM WELL LOG
10. Evidence of leakage around the casing No
11. Does well need repair No
12. Comments _____

(OVER)

OCT 25 1993

SCHEMATIC

Provide a schematic diagram showing the location of the well in the quarter-quarter with respect to houses, roads, other wells or readily identifiable features.

Inspected by

Kelly R Christensen

Date

8-17-89

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Form 238-I
04/88

WR Permit No. 7217

State of Idaho

Department of Water Resources

WELL INSPECTION FORM

300 to 400 So. of
GOLDEN EAGLE WELL
(SOUTH)

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. NE/SW or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction 1984
Well Driller LANG DRILLING
4. Casing: Diameter 6" Condition OK
5. Casing length above land surface _____
6. Well depth (ft) 300 Flowing NO Temp. _____
Access port REMOVABLE CAP
7. Condition of piping and valving NO PUMPEN WELL AT EXAM TIME
8. Evidence of well seal -
9. Shut in pressure or static water level 7'
10. Evidence of leakage around the casing NO
11. Does well need repair NO
12. Comments _____

(OVER)

OCT 25 1993

SCHEMATIC

Provide a schematic diagram showing the location of the well in the quarter-quarter with respect to houses, roads, other wells or readily identifiable features.

Inspected by

Kelly K Christensen

Date

8-17-89

OCT 25 1993

Form 238-I
04/88

WR Permit No. 7217

State of Idaho

ROAD SIDE
(+ CRUSHER)

Department of Water Resources

WELL INSPECTION FORM

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. NE/NE or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction 1984
Well Driller MENASCO
4. Casing: Diameter 6" Condition GOOD
5. Casing length above land surface 11"
6. Well depth (ft) 320 Flowing NO Temp. -
Access port OPEN TOP
7. Condition of piping and valving _____
8. Evidence of well seal _____
9. Shut in pressure or static water level 98' (DYNAMIC)
10. Evidence of leakage around the casing _____
11. Does well need repair _____
12. Comments NEEDS CAP

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THIS WELL IS TIED INTO THE SAME
METER AND FLOW LINE AS THE "PT"

WELL THE INDEPENDENT LINES JOIN AT
THIS P/D. THE MAIN LINE^(3") RUNS TO
THE CRUSHER AREA APPROX 600 YDS THE SECOND
LINE CAN RUN TO THE PLANT WHERE THE H₂O
CAN BE DISCHARGED INTO FIRE ^{WATER} POND.
DOSING POND.

THIS PD USES INFO FROM SHEET 5
FOR METER INFO,

MEASURED 10 GAL IN 5.6 SEC = 107.1 GPM
0.24 CFS

10 HP SUBM. 2 1/2" DISCHARGE

inspected by Kelly K. Christensen
on 8-17-89

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OCT 25 1993

Form 238-I
04/88

WR Permit No. 7217

THE PET

State of Idaho

Department of Water Resources

WELL INSPECTION FORM

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. NE/NE or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction _____
Well Driller EXCAVATED ^{MENTING} PET. (A WELL)
4. Casing: Diameter _____ Condition _____
5. Casing length above land surface _____
6. Well depth (ft) _____ Flowing _____ Temp. _____
Access port _____
7. Condition of piping and valving _____
8. Evidence of well seal _____
9. Shut in pressure or static water level _____
10. Evidence of leakage around the casing _____
11. Does well need repair _____
12. Comments THIS WELL IS A PET DUG APPROX
100FT DEEP INTO GROUND WATER.

(OVER)

RECEIVED
OCT 25 1993

inspected by Kelly K. Christensen
02 8-17-89

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OCT 25 1993

GOLDEN EAGLE

FOR 77-7217

10 GAL IN 49.5 SEC 12 GPM / 448.8 = 0.027 CFS

THE SYSTEM IS A WELL PUMPING WATER TO A 1500 GAL HOLDING TANK
WATER IS THEN PUMPED TO THE P/U FROM THE TANK. USE IS
DOMESTIC, 50 MAN CAMP SITE 19 UNITS (TRAVEL TRAILERS &
ROCKWELL FLOW METER # 37756123 (2") BUNK HOUSE WITH
KITCHEN
10 HP SUBMERSIBLE (2" DISCHARGE) 15 SHOWER FACILITIES
ARE INDIVIDUAL
UNITS ONLY.

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P/D #2

77-7217

PIT (WELL)

PIT WALL ON ~~NORTH~~ WEST SIDE APPROX 80'

(10 FT CUTS).

FILL SIDE 110 TO 120' HIGH.

WATER DEPTH 35 FT.

SURFACE AREA -

PUMP SYSTEM 1 2 - 10 HP SUBMERSIBLE PUMPS

10 GAL IN 8.5 SEC 2" DISCHARGE TIED INTO A MANIFOLD

70.6

0.16 CFS AND THEN INTO A 3" MAIN LINE.

THE LINE RUNS NORTH EAST.

DYNAMIC LEVEL

18'

2"

ROCKWELL

FLOW METER

38698972

2" pipe
connection

PUMP SYSTEM 2 CENTRIFUGAL

3 HP. BRIGGS DIS 1 1/2" FLAIED TO 3"

(CODE 88041803)
(SERNO.)

MEASURED 5 GAL IN 2 SEC

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1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 77-7217

Date: 8-24-88

General Considerations:

9 Name same as permit
9 Signature the same as permit holder
2 Address change _____ If yes, prepare a data entry
9 Proof received timely _____
_____ Reinstated

Source of Water:

_____ Surface water
9 Groundwater
 9 1. well log in file
 9 2. drilling permit
 _____ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

9 Rate of diversion appropriate for uses
 9 Is rate or volume and fee appropriate?
9 Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

9 Is a measuring device or access port required?
9 Has one been installed?
9 Waiver or modification of measuring device requested

Remarks: *m.d. require - not met*
Proof acceptable

Priority Calculation:

<u>9/15</u> Date proof received	_____	_____
Date proof due	_____	+
No. of days late	_____	=
Priority date	_____	+
NEW PRIORITY DATE	_____	=

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

8/23

To: File 77-7217

From: Groundwater Protection

Date:

Drilling Permit: ☐ Not Applicable
☒ Found and in file
☐ Not Found

Well Drillers Report:

☐ Not found, due to reported age of well
☒ probably not available
☐ Found and is in file
☐ Not found

Follow-up

☐ Request from permit holder the well
drillers report and/or the name of the
well driller.
☐ Ask permit holder when well was drilled
and notify holder of drilling permit
requirement if after July 01, 1987.

They still have a d p which
was not used ??

Should be OK.

JB

NOTED
OCT 12 1988

DRILLING PERMITS

mm/dd/yy

NUMBER 77-87-Z-004 DATE WELL LOG RECEIVED / /
 LAST NAME COEUR-THUNDER MTN FIRST NAME INC
 ADDRESS 4217 BANK DR. SUITE 302 CITY BOISE STATE ID ZIP 83705
 TELEPHONE NO
 WATER RIGHT NUMBER 77-7217 INJECTION WELL NO

QTERQTER SENE GOVT LOT LOT&BLOCK SUBDIVISION

SECTION 29 TWP 19N RGE 11E COUNTY VALLEY

USE 13 07 DESCRIBE USE MINING, INDUST.
 NEW, DEEPENED OR REPLACED (N,D,R) N HOT (Y OR N) N
 DRILLER NUMBER 391 DRILLER NAME MENASCO DRILLING
 CONDITIONS (Y OR N) Y
 COMMENTS

FEE\$100 APPROVAL DATE 07/16/87 EXTENSION DATE / /

EDIT :<D:>:DRILPERM :Rec: 1743/2391 : :NumCaps

RECEIVED

OCT 12 1988

DRILLING PERMITS

mm/dd/yy

NUMBER 77-87-Z-001 DATE WELL LOG RECEIVED 03/10/88
 LAST NAME THUNDER MOUNTAIN, INC FIRST NAME COEUR
 ADDRESS 2427 BANK DR SUITE 302 CITY BOISE STATE ID ZIP 83705
 TELEPHONE NO
 WATER RIGHT NUMBER 77-07217 INJECTION WELL NO

QTRQTR NESE GOVT LOT LOT&BLOCK SUBDIVISION

SECTION 29 TWP 19N RGE 11E COUNTY VALLEY

USE 07 13 DESCRIBE USE INDUST & MILLIN
 NEW, DEEPENED OR REPLACED (N, D, R) N HOT (Y OR N) N
 DRILLER NUMBER 391 DRILLER NAME MENASCO
 CONDITIONS (Y OR N) N
 COMMENTS WR 77-7217

FEE\$100 APPROVAL DATE 07/15/87 EXTENSION DATE mm/dd/yy / /

EDIT :<D:>:DRILPERM :Rec: 1740/2391 : :NumCaps



OCT 12 1988

State of Idaho
Department of Water Resources
WELL INSPECTION FORM

P/D #2
FROG POND
WELL

This form should be completed by the examiner when conducting a field examination to determine the extent of beneficial use of water from a well or whenever a well is inspected for other reasons. The form should be forwarded to Groundwater Protection Section in the State Office upon completion.

1. Legal Description of well location. Twp. 19N, Rge. 11E,
Sec. 29, Qtr./Qtr. NE/SE or Lot _____
2. Owner _____
Address _____, City _____, State _____
3. Approx. date of well construction 1987
Well Driller MENASCO
4. Casing: Diameter 6" Condition GOOD
5. Casing length above land surface 6"
6. Well depth (ft) _____ Flowing NO Temp. _____
Access port OPEN TOP
7. Condition of piping and valving OK
8. Evidence of well seal #
9. Shut in pressure or static water level 3'
10. Evidence of leakage around the casing NO
11. Does well need repair TDP CAP OPEN
12. Comments _____

(OVER)

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OCT 25 1993

SCHEMATIC

Provide a schematic diagram showing the location of the well in the quarter-quarter with respect to houses, roads, other wells or readily identifiable features.

Inspected by KELLY K. CHRISTENSEN Date 8-17-89

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OCT 25 1993

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

JAN 31 1984

1. WELL OWNER

Name Golden Pond, Nantuxet
Address PO Box 45303, Duxbury
Owner's Permit No. _____

7. WATER LEVEL

Department of Water Resources
Static water level 89 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow none
Artesian closed-in pressure none p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 40 °F. Quality good

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (Describe method of abandoning) _____

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type) _____

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

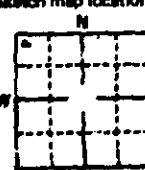
Thickness	Diameter	From	To
<u>250</u> inches	<u>6</u> inches	<u>2</u> feet	<u>198</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☒ Turch
Size of perforation 3/8 inches by 4 inches

Number	From	To
<u>120</u> perforations	<u>178</u> feet	<u>198</u> feet
<u>240</u> perforations	<u>98</u> feet	<u>138</u> feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name none
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☒ Yes ☐ No ☐ Size of gravel 3/8"
Placed from 18' feet to 198' feet
Surface seal depth 18' Material used in seal: ☒ Cement grout
☐ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
☐ Weld
☐ Cemented between strata
Describe access port underground discharge

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____
Lot No. _____ Block No. _____
County Nantuxet
NW 1/4 Sec. 29, T. 19 N., R. 11 W.

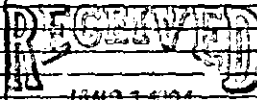
8. WELL TEST DATA

☒ Pump ☐ Bailor ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
_____	_____	_____
_____	_____	_____
_____	_____	_____

9. LITHOLOGIC LOG

Hole Diam.	Depth From	To	Material	Water Yes No
<u>10</u>	<u>0</u>	<u>34</u>	<u>loess</u>	<u>Yes</u>
<u>10</u>	<u>34</u>	<u>100</u>	<u>Boiler clay</u>	<u>Yes</u>
<u>10</u>	<u>100</u>	<u>105</u>	<u>Sandy clay</u>	<u>Yes</u>
<u>10</u>	<u>105</u>	<u>200</u>	<u>Blue clay & sand</u>	<u>Yes</u>


Department of Water Resources
Western Regional Office

10. Work started 12-16-83 finished 12-29-83

11. DRILLERS CERTIFICATION

We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name A-1 Water Firm No. 291
Address PO Box 607, Duxbury, MA 01928
Signed by (Firm Official) [Signature]
and (Operator) [Signature]

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

1. Applicant Couer-Thunder Mountain, Inc.
2. Address 2417 Bank Dr. Suite 302, Boise, ID 83705

(X) Well Owner () Well Operator () Other, specify _____

3. Water right permit no. 77-7217; Injection well permit no. _____

4. Proposed well location 1/4 NE 1/4 SE 1/4, or Gov't lot No. _____,
Sec. 29, Twp. 19 N, Rge. 11 E, County Valley (Unsurveyed),
Lot, block and subdivision _____

5. Proposed use of well: (Check all that apply)
() Domestic () Stockwater () Monitoring
() Irrigation (X) Industrial () Municipal
() Injection (X) Other, Specify Milling

6. Well construction information:
(X) New well () Deepen () Replace
12 7/8 Top
Proposed surface diameter 8 7/8 Bottom Proposed depth 240'

Anticipated bottom hole temperature:

- (X) 85°F or less (Cold water well)
() 85°F to 212°F (Low temp. geothermal well)
() 212°F or more (Geothermal well)

7. Anticipated construction start date 7/16/87

8. Well Driller (if known) Menasco Drilling #391

Address 208 W. Forest Cascade, ID 83611

Date 7/10/87 Applicant's signature Don Bork **RECEIVED**

Title Project Manager DON BORK **OCT 12 1988**

* After other pre-requisite approvals have been obtained.

ACTION OF IDWR

() Approved

() Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. The permit holder or his representative shall notify the Department ten (10) days prior to the start of construction unless good cause for later notification can be shown.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.

SPECIFIC CONDITIONS:

The water will be put to the beneficial uses and quantities as applied for under Water Right Permit No. 77-7217.

Dated this 15th day of July, 1987.

Signed

Joh E Beal, Manager

Title

Groundwater Protection
Section

Received by

SP

Fee

\$100.00

Date

7-13-87**RECEIVED**

Receipt No.

42762

Construction start date

OCT 12 1988

Construction start extension to

Extension approved by

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 77-7217

Name(s) of Permit Holder(s): Coeur Explorations, Inc.

Post Office Address: 2417 Bank Drive, Suite 302

Boise, Idaho 83705 Tel. No. 385-0373

☒ I hereby certify that construction of diversion works for the above referenced permit began on 8-6-84 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.

☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

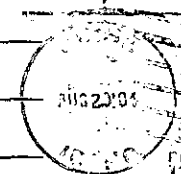
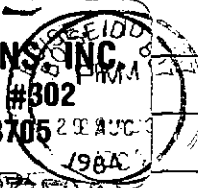
*Note: A financing difficulty is not an acceptable reason.

8-28-84
Date

David C. Gue
Signature of Permit Holder

Environmental
Coordinator

COEUR EXPLOSIONS, INC.
2417 BANK DRIVE, #302
BOISE, IDAHO 83705



U.S. POST PLACE
STAMP
DO 2 HERE

RECEIVED

AUG 30 1984



MICROFILMED

OCT 12 1988

Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

July 6, 1984

RE: Permit No. 77-7217

Coeur Explorations Inc.
2417 Bank Drive, Suite 302
Boise, ID 83705

Dear Permit Holder:

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval on the fourth page.

Be sure to note the special condition requiring you to install a measuring device, or a flow measurement port to provide for the installation of measuring equipment by the Department. Enclosed please find a list of measuring device options, and specifications for the installation of the flow measurement port.

The 1982 Idaho Legislature added a requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:sc
Enclosures

MICROFILMED



STATE OF IDAHO

DEPARTMENT OF HEALTH
AND WELFARE

DIVISION OF ENVIRONMENT
Statehouse
Boise, Idaho 83720

DIVISION OF ENVIRONMENT - 801 Reserve St. - Boise, ID 83712

May 21, 1984

Mr. David B. Shaw
Western Regional Supervisor
Idaho Department of Water Resources
450 W. State Street
STATEHOUSE MAIL
Boise, Idaho 83720

Re: No. 65-12711/Coeur

Dear Mr. Shaw:

We have no objections to the application for a permit to appropriate public waters for Coeur Explorations, Inc. The domestic water supply must meet State Drinking Water Standards. The water appropriated for mining and milling use must be disposed of in accordance with the Idaho Water Quality Standards and Wastewater Treatment Requirements.

We are working with Coeur Explorations on various aspects of their project and have previously discussed the water appropriations with them.

Sincerely,

A handwritten signature in cursive script that reads "William H. Clark".

William H. Clark
Senior Water Quality Specialist

WHC/ecw

cc: Craig Shepard
Jeff Lappin (w/Encl - Copy of Permit Appl.)

RECEIVED
MAY 23 1984

Department of Water Resources
Western Regional Office

RECEIVED

EQUAL OPPORTUNITY EMPLOYER



State of Idaho
DEPARTMENT OF WATER RESOURCES
WESTERN REGION, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-2190

April 26, 1984

Bill Clark
State of Idaho
Department of Health & Welfare
Statehouse
Boise, ID 83720

Re: No. 65-12711/Coeur

Dear Mr. Clark:

Enclosed is a copy of the above referenced application for permit which may be of interest to your agency. Please review the application and submit any comments you may have.

This office normally completes the processing of an application within a six-week period and is required to take final action shortly thereafter, however, if your agency desires to file a formal protest against the approval of this application, your written protest must be received in this office by May 21, 1984.

If you have any questions regarding the application, please contact this office.

Sincerely,

DAVID B. SHAW
Western Regional Supervisor

DBS:jp

Enclosure

COPIES DESTROYED
JAN 1984

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF IDAHO

County of Valley

SS.

Judy Brooks being duly sworn deposes and says, I am the bookkeeper of the Star-News, a weekly newspaper published at McCall, in the County of Valley, State of Idaho; that said newspaper is in general circulation in the county of aforesaid and is a legal newspaper; that the Notice of Correction, a copy of which is attached hereto and made a part hereof, was published in said newspaper once a week for two consecutive weeks in the regular and entire issue of every number thereof during the period and time of publication, and was published in the newspaper proper and not in a supplement; and that publication of such notice began May 30 19 84 and ended June 6 19 84.

Judy Brooks
Subscribed and sworn to before me this the
6th day of June, 19 84.

[Signature]
Notary Public in and for the State of
Idaho, residing at McCall
therein.

NOTICE OF CORRECTION

Notice is hereby given that notice of Application for a Water Right Permit No. 65-12711 in the name of Coeur Explorations Inc. was published in error on 5/2 and 5/9/84.

The Number was advertised as being 65-12711 Whereas, the actual Water Right Number is 77-7217.

Also, the place of use was advertised as being in the NWNE, NENW Sec 28 T19N R11E, SWSW, SESW, SWSE Sec 21 T19N R11E.

Whereas, the actual Place of Use is NWNE, NWNW, NENW Sec 28 T19N R11E SWSW, SESW, SWSE Sec. 21 T19N R11E

If issued, the permit will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Department of Water Resources, Statehouse, 450 W. State Street, Boise, ID 83720 on or before June 18, 1984.

Ken Dunn, Director
Published in The Star-News
on 5/30 and 6/6/84.

RECEIVED
JUN 8 1984

Department of Water Resources
Western Regional Office

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Western Region

Statehouse
Boise, Idaho 83720
(208) 334-2190

APRIL 26, 1984

The Star News
Box 985
McCall, ID 83638

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before MAY 21, 1984.

Yours truly,

JUDY PENSE
Secretary

Encl.

RECEIVED
MAY 2 1984

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 21, 1984.

KEN DUNN, Dir.

Published 05/02 & 05/09/84.

MICROFILMED

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Ken Dunn, Director

Published in the The Star News
on 5/30 and 6/6/84

NOT RECORDED

PUBLISHER'S AFFIDAVIT OF PUBLICATION

RECEIVED
MAY 11 1984

STATE OF IDAHO }

SS.

County of Valley }

Department of Water Resources

Judy Brooks

being duly sworn deposes and says, I am the bookkeeper of the Star-News, a weekly newspaper published at McCall, in the County of Valley, State of Idaho; that said newspaper is in general circulation in the county of aforesaid and is a legal newspaper; that the Notice of Application, a copy of which is attached hereto and made a part hereof, was published in said newspaper once a week for two consecutive weeks in the regular and entire issue of every number thereof during the period and time of publication, and was published in the newspaper proper and not in a supplement; and that publication of such notice began May 2 19 84 and ended May 9 19 84.

Judy Brooks

Subscribed and sworn to before me this the

9th day of May 19 84

Tom Croft

Notary Public in and for the State of
Idaho, residing at McCall
therein.

NOTICE OF APPLICATION FOR WATER RIGHT
The following application(s) have been filed to appropriate the public waters of the State of Idaho:
65-12711 / 139
COEUR EXPLORATIONS INC.
2417 BANK DR. SUITE 302, BOISE, ID 83705
Source: GROUNDWATER
Date Filed: 04/17/1984
Diversion Pt: NESE NWSE SESE SWSE SENE NENE NWNE SWNE NENW NWNW SWNW SENW NESW NWSW SWSW SESW
Sec 29. T 19N. R 11E
Use: MINING (0.88 CFS); DOMESTIC (0.12 CFS)
In: NWNE NENW Sec 28 T 19 N R 11E SWSW SESW SWSE Sec 21 T 19N R 11E
The permit(s) will be subject to all prior water rights. Posttests must be filed with the Director, Dept. of Water Resources, Western Region, Statehouse, Boise, Idaho 83720 on or before MAY 21, 1984.
KEN DUNN, Dir.
Published 05/02 & 05/09/84

RECEIVED
MAY 11 1984

Department of Water Resources
Western Regional Office

MICROFILMED

65-12711

COEUR EXPLORATIONS INC.

2417 BANK DR. SUITE 302, BOISE, ID 83705

Source: GROUNDWATER

Date Filed: 04/17/1984

Diversion Pt: NESE NWSE SESE SWSE SENE NENE NWNE SWNE NENW NNW SWNW SENW NESW
NWSW SWSW SESW Sec 29 T 19N R 11E

Use: MINING (0.88 CFS)
DOMESTIC (0.12 CFS)

In: NWNE NENW Sec 28 T 19N R 11E SWSW SESW SWSE Sec 21 T 19N R 11E

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